

SPECIFICATIONS & APPLICATION HANDBOOK Edition 32

October 2019

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Please note that the performance information included in this book is for estimation purposes only. It is based on information that Komatsu Ltd. has but actual figures will vary with the operating conditions, including material characteristics, site conditions, operator efficiency, etc. Neither Komatsu Ltd. nor its dealers will guarantee that the machines will perform as estimated.

Materials and specifications are subject to change without notice.

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KOMATSU

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PREFACE

This handbook refers to machine specifications, productivity and owning & operation cost for construction and mining equipment sold by Komatsu. It serves as a guide for the following cases:

- * Estimation of productivity for each machine
- * Estimation of owning & operating costs for each machine
- * Selection of machines for purchasing equipment
- * Selection of machines for performing job

The performance of a machine is determined by its production and operating costs. Important machine factors that influence production includes the horsepower, operating weight, capacity of work equipment, traveling speed and types of mechanical, hydraulic and electrical systems. They are referred to in the related section in the handbook. Some of the significant elements that comprise the operating cost factors are the consumption of fuel and lubricants, the service life of tires and undercarriage and the repair cost of components. These expenditures are discussed in the section entitled Owning & Operating Costs.

The data and tables in the handbook are based on Komatsu's bench and field tests, computer analysis and many years of experience. We continuously conduct tests to improve the reliability of the data. However, because of the complexity of factors influencing production costs and the deviations that may occur during the preparation of data, Komatsu does not guarantee that the data is exact and that the performance shown in the handbook is always obtainable with the given job conditions.

The basic performance data in the handbook are the values when machines are used at ideal efficiency. As performance varies with operator's skill, ground and weather conditions, etc., in reality, the basic data needs to be modified by using the various factors included in the handbook, resulting in different figures depending on the selection of these factors. Owning and operating cost also varies depending upon the machine usage, and the calculation result differs by what job condition and factors are applied for the calculation. Therefore, it should be understood that the calculated figures do not always completely match the actual measured data. Nevertheless, handbook users will be able to make proper approximate calculations based on the data given in the handbook, their work experience and knowledge of local conditions.

The data in the handbook is accurate at the time of printing; however, Komatsu may make changes in the specifications and materials without notice. Changes are made because of Komatsu's fundamental program of conducting continuous improvements on its products. Therefore, when you need the most updated information or specifications, obtain the latest catalogs through your distributor.

This handbook contains machine models produced in the various areas in the world. Specifications may vary depending upon production location; all models are not always available everywhere in the world.

The final objective for an owner of equipment is to perform the necessary job with the best efficiency and safety. It is desirable for an owner to understand the job efficiency factors and the machine use factors before utilizing this handbook.

They are as follows:

1. Job efficiency factors

1) Skill of operator

In order to obtain high productivity, the skill of the operator needs to match the performance of the machine. It is essential that the operator has the knowledge and skill to obtain high productivity from the machine.

Therefore, operators should be given education and training about machine operation, job operations and safety. The operator must read and understand the operator's manual. The operator must also read and understand the safety manual of the applicable manufacturers association in each area (AEM in USA, CECE in Europe, etc). The employer should assess the skill of each operator and assign the operator to an appropriate job. The operator should be given clear job instruction.

2) Selection of type of machine and specification

The contractor should select the kind, size and specification of machine that can obtain the optimum job efficiency. The contractor can use his past results and experience to select the most appropriate machine. If the contractor is uncertain about the proper machine selection, it is recommended that the contractor consult with the Komatsu distributor or the Komatsu application engineer. They have abundant information and experience and can provide valuable assistance in machine selection.

3) Selection of construction method

To attain the job objective, the contractor must select the proper method of the job. The contractor can choose the optimal method of the job and the optimal process by past actual result or experience. If the contractor is uncertain about the selection, it is recommended that the contractor consult a Komatsu application engineer. Komatsu has a program called OFR (Optimum Fleet Recommendation), which provides suitable recommendations for optimal method of the job.

4) Choice and use of attachments and optional parts

Care should be taken in the selection of attachments or optional parts since they affect work efficiency and safety. Typical attachments and optional parts are shown in this handbook. Komatsu has additional attachments and optional parts. You can consult with the distributor, salesman, or Komatsu application engineer for additional details.

5) Use of special application machine

This handbook includes relatively popular special application machines (modified machine for special application), but does not include every special application machine because of the limited number of pages. Komatsu will evaluate individual special application work which is not shown in this handbook and may create a special application machine to meet job requirements. You can consult with the distributor, salesman, or application engineer of Komatsu.

2. Machine use factors

1) Operator's protection from hazard

The employer has a duty to secure the safety of operators. They must not start work until they understand the machines to be used, method of the job site, and until they check and confirm that the operator is protected from all potential hazards.

- If an additional protection device is needed on the machine for operator protection, the Komatsu distributor should be consulted.
- The owner of a machine for the purpose of raising productivity and durability may want to modify a machine. In such a case, any modifications and attachment installations that may endanger the operator must not be carried out. For example, modifications that hinder an operator's field of view, hinder operation of a machine, hinder access to a machine or worsen the function of brake, steering and ROPS, stability of a machine, etc., must not be performed.

2) Protection from breakdown or lessening of machine life

In order to lower O&O cost, it is important to lengthen the economical life of a machine while reducing machine failure. Therefore, the owner of a machine needs to address the following items:

- Understand the method and the condition of job site, and choose the type, size, and specification of machine that has ample strength for the job. Komatsu machines are equipped with the adequate strength and structure for typical work. However, when the machine is used in special applications, special strengthening and/or the addition of protection structures may be needed. In such a case, it is recommended that Komatsu should be consulted through the distributor. If the owner of the machine makes modification himself without consulting Komatsu, there are risks of generating problems in the performance, durability and safety of the machine.
- To increase production or durability, the owner of a machine may want to convert a main part of the machine or attachments himself, or may want to put attachments other than a Komatsu design which is procured locally, even if it is not a special application. In such a case, it is recommended that Komatsu be consulted through the distributor. Komatsu will propose through the distributor the proper means to respond to the request of a customer. If the owner of the machine makes modification himself without consulting Komatsu, there are risks of generating problems in the performance, durability and safety of the machine.

3) Prevention of fire

The owner and operator of a machine must follow the machine's maintenance guidelines and manage the job so that danger of fire will be minimized. A fire breaks out mainly by leakage of fuel, oil and grease; by electrical shorts caused from fatigue, loosening, or rubbing of electric parts and by ignition from engine high temperature parts contacting combustibles, such as plants and papers.

- The owner of a machine needs to maintain a machine by daily checks so that the causes described above do not exist.
- The operator must confirm by walk-around check before starting the machine that the above-mentioned hazards do not exist. If any problems are found, the machine must not be started until the problems are fixed.
- Equip a machine with a fire extinguisher in preparation for emergency.

4) Consideration of safety around the machine and environment.

Exercise care regarding safety, vibration, noise and flying debris (soil and stone) for the people who work around machines and for the surrounding area before putting a machine into a job site.

- Due to carelessness, the people working around the machine may suffer injury when the machine reverses, turns, and the attachment moves, etc. In order to prevent injuries, Komatsu can offer hazard alarm equipment and hazard detection equipment on its machines. The owner of the machine should evaluate whether the equipment on the machine are enough to cover the job site condition and should equip the machine and the people with additional equipment if needed.
- Komatsu sells machines that conform to the surrounding noise level regulation in the area sold. However, when it is necessary to have lower noise than a regulation level of the area, it is possible to reduce noise levels by modifying the machine. You are requested to consult Komatsu through its distributor.
- It is quite difficult to prevent the vibration of the land and flying debris by modification of the machine. Such problems should be solved by changing the work condition.

5) Compliance with regulations

Regulations pertaining to safety, noise, engine exhaust gas, etc. vary in different areas of the world. The owner of a machine has to recognize the regulations about the safety and environment legislated by each country and local government against equipment, and has to use machines that conform to the applicable regulations. Although Komatsu supplies machines that conform to each regulation in the world, it is necessary to confirm through the Komatsu distributor if the machine conforms to all regulations in that area, before putting the machine to work.

Occasionally, a machine manufactured for another area in the world may be moved and relocated without Komatsu's knowledge. In this case, the machine may not have the specifications or structure to satisfy regulations of the area where the machine is located. In such a case, check in advance to determine if it conforms to the regulation of the area. If it does not conform, the owner must either make the necessary modifications to the machine to make it conform, or not operate the machine there.

6) Appropriate maintenance and management of a machine

The most important factor to maximize machine operation is performing maintenance and management of the machine correctly. It is essential to perform daily check & maintenance and periodic inspection & maintenance procedures shown in the operation manual of each machine.

● **BULLDOZERS**

Horsepower 32.4 to 858 kW (43.4 to 1,150 HP)



D575ASD-3



D575A-3



D475ASD-5E0



D475A-5E0



D375A-5D
D375A-6
D375A-6R
D375A-8



D275A-5D
D275AX-5E0
D275A-5R



D155A-5D
D155A-6
D155AX-6
D155AX-7
D155AX-8



D85EX-15
D85EX-15E0
D85EX-15R
D85EX-18



D85ESS-2
D85ESS-2A



D68ESS-12E0



D65E-12
D65EX-16
D65EX-17
D65EX-18
D65WX-18



D61EX-23M0
D61EX-24



D51EX-22
D51EX-24



D39EX-22
D39EX-24



D37EX-22
D37EX-24



D31EX-22



D21A-8E0

● **SWAMP BULLDOZERS**

Horsepower 32.4 to 197 kW (43.4 to 264 HP)



D85PX-15E0
D85PX-15R
D85PX-18



D65P-12
D65PX-16
D65PX-18



D61PX-23M0
D61PX-24



D51PX-22
D51PX-24



D39PX-22
D39PX-24



D37PX-22
D37PX-24



D31PX-22



D21P-8E0

● **PIPELAYERS**

Horsepower 168 to 269 kW (225 to 360 HP)



D355C-3



D155C-1



D85C-21

● **ICT BULLDOZERS**

Horsepower 66.1 to 264 kW (88.6 to 354 HP)



D155AXi-8



D85EXi-18
D85PXi-18



D65EXi-18
D65PXi-18



D61EXi-24
D61PXi-24



D51EXi-24
D51PXi-24



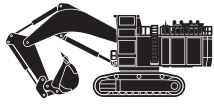
D39EXi-24
D39PXi-24



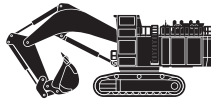
D37EXi-24
D37PXi-24

● **HYDRAULIC EXCAVATORS (Backhoe)**

Operating weight 890 to approx. 759,000 kg (1,960 to approx. 1,673,600 lb)



PC8000-6
PC8000E-6



PC7000-6
PC7000E-6



PC5500-6
PC5500E-6



PC4000-6
PC4000E-6
PC4000-11



PC3000-6
PC3000E-6



PC2000-8
PC2000-11



PC1250-7, PC1250-8 (R)
PC1250LC-8, PC1250-11
PC1250LC-11



PC850-8E0 (R1)



PC800-8E0 (R1)
PC800LC-8E0 (R1)



PC700LC-8E0 (R)
PC700LC-11



PC650LC-8E0
PC650LC-11



PC600-8E0 (R1)
PC600LC-8E0 (R1)



PC550LC-8



PC500LC-8 (R)
PC500LC-10M0 (R)



PC490LC-10
PC490-11
PC490LC-11



PC450-7
PC450LC-7
PC450-8 (R)
PC450LC-8 (R)
PC460LC-8



PC400-7
PC400LC-7
PC400-8 (R)
PC400LC-8 (R)
PC430-8



PC390LC-8M0
PC390LC-11



PC360-8M0
PC360LC-10
PC360LC-11
PC360NLC-11



PC350LC-7
PC350-8
PC350LC-8
PC350-8M0
PC350LC-8M0



PC308USLC-3E0



PC300LC-7
PC300-8
PC300-8M0
PC300LC-8
PC300LC-8M0



PC290LC-8
PC290LC-10
PC290LC-11
PC290NLC-11



PC270-8
PC270LC-8



PC240LC-8
PC240LC-8M0
PC240LC-10
PC240LC-11
PC240NLC-11



PC238USLC-11



PC230NHD-11



PC228US-8
PC228USLC-8
PC228USLC-10
PC228USLC-11



PC220-8
PC220-8M0
PC220LC-8
PC220LC-8M0



PC210-8M0
PC210LC-8M0
PC210NLC-8
PC210LC-10
PC210-10M0



PC210LC-10M0
PC210-11
PC210LC-11
PC210NLC-11



PC200-8
PC200-8M0
PC200F-8M0
PC200LC-8
PC200LC-8M0



PC195LC-8



PC160LC-8
PC170LC-10
PC170LC-11



PC138US-8
PC138USLC-10
PC138US-11
PC138USLC-11



PC130-7
PC130-8
PC130-8M0
PC130F-7



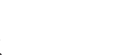
PC118MR-8



PC110-8M0



PC80MR-3
PC80MR-5
PC88MR-8
PC88MR-10



PC78US-8
PC78UU-8
PC78US-10



PC60-8
PC70-8
PC71-7



PC45MR-3
PC45MR-5
PC55MR-3
PC55MR-5



PC30MR-3
PC30MR-5
PC35MR-3
PC35MR-5



PC18MR-3
PC20MR-3
PC22MR-3
PC26MR-3



PC14R-3
PC16R-3



PC09-1

● **HYBRID EXCAVATORS**

Operating weight 20,200 to approx. 36,700 kg (44,530 to approx. 80,910 lb)



HB335LC-1
HB365LC-1
HB365LC-3
HB365NLC-3



HB205-1M0
HB215LC-1M0
HB215LC-2
HB215LC-3

● **ICT EXCAVATORS**

Operating weight 22,410 to approx. 47,500 kg (50,300 to approx. 104,720 lb)



PC490LCi-11



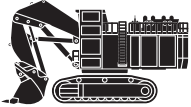
PC360LCi-11



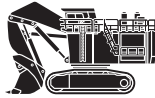
PC210LCi-10
PC210LCi-11

● **HYDRAULIC EXCAVATORS (Loading shovel)**

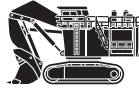
Operating weight 43,100 to approx. 740,000 kg (95,020 to approx. 1,631,700 lb)



PC8000-6
PC8000E-6



PC7000-6
PC7000E-6



PC5500-6
PC5500E-6



PC4000-6
PC4000E-6
PC4000-11



PC3000-6
PC3000E-6



PC2000-8



PC1250-7
PC1250-8 (R)



PC800-8E0 (R1)



PC600-8E0 (R1)
PC600LC-8E0 (R1)



PC400-7
PC400LC-7
PC400-8 (R)
PC400LC-8 (R)

● **HYDRAULIC EXCAVATORS (Wheel type)**

Operating weight 10,500 to 19,840kg (23,150 to 43,740 lb)



PW180-10
PW180-11



PW160-10
PW160-11



PW148-10
PW148-11



PW118MR-11



PW98MR-10

● **WHEEL LOADERS**

Bucket capacity 0.6 to 20 m³ (0.8 to 26.2 yd³)



WA1200-6



WA900-3 (E0)
WA900-8



WA800-3 (E0)



WA700-3



WA600-3
WA600-6 (R)
WA600-8



WA500-3
WA500-6 (R)
WA500-7
WA500-8



WA480-6 (R)
WA480-8



WA470-5
WA470-6 (R)
WA470-7
WA470-8



WA430-5
WA430-6



WA380-5
WA380-6
WA380Z-6
WA380-7
WA380-8



WA320-5
WA320-6
WA320PZ-6
WA320-7
WA320-8



WA250-5
WA250-6
WA250PZ-6
WA270-7
WA270-8



WA200-5
WA200-6
WA200PZ-6
WA200-7
WA200-8



WA150-5
WA150-6



WA100M-7
WA100M-8



WA70-7
WA80M-7



WA50-6

● **WHEEL DOZERS**

Horsepower 362 to 637 kW (485 to 853 HP)



WD900-3



WD600-3
WD600-6 (R)

● **SKID STEER LOADERS**

Bucket capacity 0.23 to 0.40 m³ (0.30 to 0.52 yd³)



SK820-5E0



SK815-5E0



SK714-5



SK510-5

● **BACKHOE LOADERS**

Bucket capacity 1.03 to 1.10 m³ (1.35 to 1.43 yd³)



WB97S-5E0
WB97R-5E0

WB93S-5E0
WB93R-8

● **RIGID DUMP TRUCKS**

Hauling capacity 36.5 to 369.4 ton (40 to 407.2 US ton)



980E-4 PMO

960E-2 PMO
960E-2K PMO

930E-4 PMO
930E-4SE PMO

860E-1K PMO



830E-AC PMO



730E-8 PMO



HD1500-7
HD1500-8



HD785-7



HD605-7E0 (R)
HD605-8



HD465-7E0 (R)
HD465-8



HD405-7 (R)
HD405-8



HD325-7 (R)
HD325-8

● **ARTICULATED DUMP TRUCKS**

Hauling capacity 27.3 to 40 ton (30.1 to 44.1 US ton)



HM400-3
HM400-3M0 (R)
HM400-5

HM350-2

HM300-2 (R)
HM300-3
HM300-5

● **MOTOR GRADERS**

Horsepower 108 to 209 kW (145 to 280 HP)



GD825A-2

GD755-5R

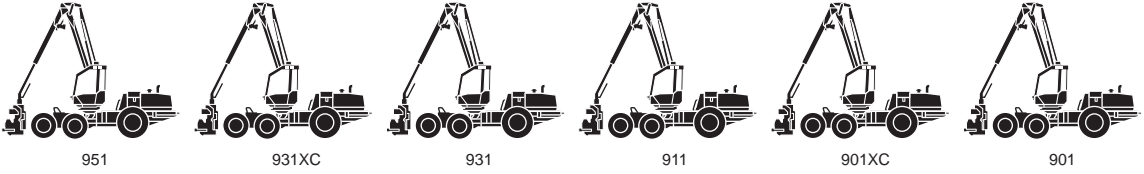
GD705-5

GD655-5
GD655-6
GD675-5
GD675-6

GD535-5
GD555-5

● **HARVESTERS**

Horsepower 150 to 210 kW (201 to 282 HP)



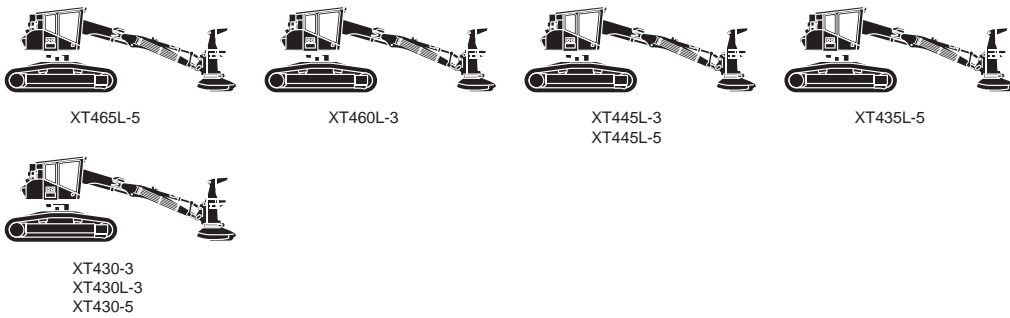
● **FORWARDERS**

Gross load 11 to 20 kgf (24,255 to 44,100 lbf)



● **TRACKED FELLER BUNCHERS**

Operating weight 28,232 to 33,800 kg (62,240 to 74,520 lb)



● **MOBILE CRUSHER & RECYCLERS**

Horsepower 187 kW (140HP)



● **DIESEL GENERATOR SETS**

Rated output 50 to 1,000 kVA (40 to 800 kW)



EGS1200-6



EGS850-6



EGS760-6



EGS630-6



EGS500-6



EGS380-6



EGS360-6



EGS300-6



EGS240-6



EGS160-8



EGS120-8



EGS65-6

ICT EQUIPMENT	Sec 1
ICT BULLDOZERS	Sec 1A
ICT EXCAVATORS (BACKHOE)	Sec 1B

SECTION **1**

ICT EQUIPMENT

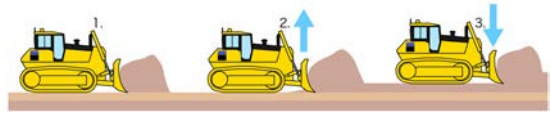
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Features	1-2
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ICT Bulldozer

Automatic Blade Control, Ranging from Heavy Dozing to Finish Grading

The ICT Bulldozers automatically controls the blade based on information on the machine's current position obtained from the Global Navigation Satellite System (GNSS*) satellite, reference station, and construction design data. The operator can complete the construction as illustrated in the design drawing simply by operating the machine back and forth. Furthermore, if the load on the blade increases during heavy dozing operation, the blade is automatically raised to control the load so that shoe slip does not occur, thus ensuring efficient dozing. Moreover, when the blade comes close to the design surface set in advance, it automatically recognizes the design surface and is automatically switched from the heavy dozing mode to the finish grading mode.



1. As the blade load reaches a preset level.
2. The blade automatically raises to minimize track slip.
3. The blade can also lower to push as much as possible.

*GNSS is the general term for satellite positioning systems such as GPS and GLONASS.

Dozing Mode and Blade Load Mode Optimally Set to Match the Work Conditions

Dozing mode

The work mode can be optimally set to match the kind of work.

Blade load mode

The load on the blade can be adjustably set to match the soil conditions.



Cutting and carry
Normal operation



Cutting
Effective dozing operation



Spreading
Spreading operation of piled soil higher than the blade height



Simple grading
Operation to finish uneven ground, flat ground, or slope by traveling along or across the slope



Light
Operation in sand or soft ground where the track easily slips
When holding little soil on the blade



Normal
Normal operation



Heavy
Operation in heavy soil such as clay, etc.
When holding a large amount of soil on the blade

Auto/manual switch

The automatic control of the blade can easily be switched to manual by operating the switch lever of the work machine.



Cut/fill offset switch

The cut/fill offset setting can be quickly adjusted by hand.



Back grade mode switch

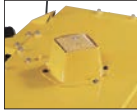
Back grade mode switch

The back grade mode can be quickly turned on or off.

Machine Control System for High-performance, High-quality and High-durability

GNSS antenna

Mounted to top of cab to minimize damage - not on the blade.



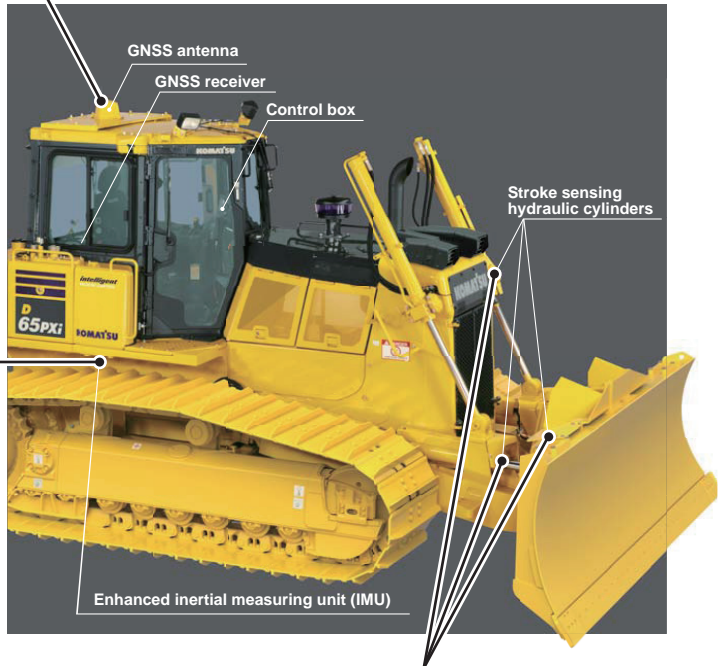
Inertial Measuring Unit (IMU)

Chassis mounted enhanced IMU enables accurate grading performance without blade mounted sensors.



Stroke sensing hydraulic cylinders

The blade edge can be controlled using the hydraulic cylinder with the stroke sensor based on the advanced sensor technologies of Komatsu.



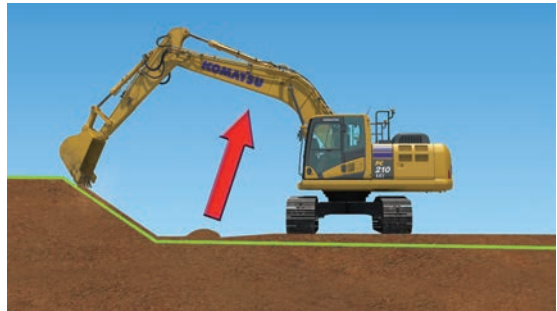
ICT Excavator

Intelligent Machine Control

Intelligent Machine Control is based on Komatsu's unique sensor package, including stroke sensing hydraulic cylinders, an IMU sensor, and GNSS antennas. It utilizes 3D design data loaded in the control box to accurately check its position against the target. If the bucket hits the target surface, it is semi-automatically limited to minimize over-excavation. If the operator turns off Auto mode, the machine can be operated with highly accurate, responsive machine guidance (indicate only).

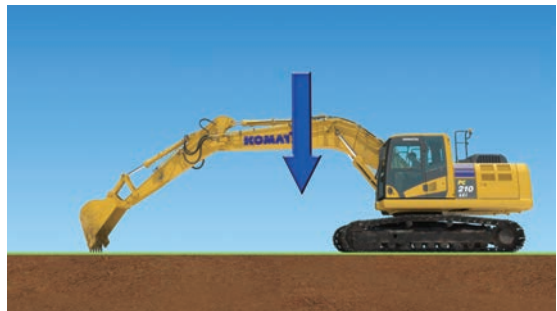
Auto grade assist

With the auto grade assist function, the operator moves the arm, the boom adjusts the bucket height automatically, tracing the target surface and minimizing digging too deep. This allows the operator to perform rough digging without worrying about the design surface, and to perform fine digging by operating the arm lever only. The working range is expanded by holding the lever to move the boom downward.



Auto stop control

During boom or bucket operation, the work equipment automatically stops when the bucket edge reaches the design surface, thus minimizing damage to the design surface.



Minimum distance control

The intelligent Machine Control excavator controls the bucket by automatically selecting the point on the bucket closest to the target surface. Should the machine not be facing a sloped surface at a right angle, it will still follow the target surface and minimize digging below it.



Control Box

The monitor of the Komatsu intelligent Machine Control (control box) uses a large 12.1" (30.7cm) screen for visibility and ease of use.

Bucket Edge Guidance with Eyesight and Sound Light bar

Colors show the bucket edge position relative to the target surface. Since the light bar is located on the left side of the screen, the bucket edge position can be viewed simply while operating, which increases the work efficiency.

Sound guidance

The operator can recognize the target sur-faces not only by eyesight, but also by sound. Unique tones can be programmed for various bucket edge distances from the target surface.

Facing angle compass

The orientation and color of the facing angle compass's arrow shows the operator the facing angle of the bucket edge relative to the target surface. This allows the bucket edge to be accurately positioned square with the target surface, which is useful when finishing slopes.

Facing angle compass

Light bar

Auto / Manual switch

Bucket edge position selection button

Used to select the bucket edge position (left/middle/right/minimum distance) to determine the distance from the design surface

Distance from design surface

Mode selection button
Driving, Rough digging, Fine digging modes

Screen selection button
Use to change the screen layout

Pop-up map button
Displays a wide-area map

Edge position recording button

Sound guidance ON/OFF

Bucket edge position check button
Used to correct the bucket edge position (for daily calibration)

GNSS signal reception status check button
Used to check signal reception from the GNSS

Design surface offset
The design surface can be offset in the vertical direction

Main menu button
Used to various settings



Factory installed Komatsu intelligent Machine Control components

Stroke sensing hydraulic cylinder

A stroke sensor is built into the cylinder. This sensor provides accurate, real time bucket position which is immediately displayed on the control box, speeding up your work. Uses a large diameter boom cylinder.

Inertial Measurement Unit (IMU)

High accuracy in the finishing work is secured by Inertial Measurement Unit (IMU) detecting the machine posture.

Proportional control levers

GNSS antenna



ICT BULLDOZERS

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Specifications

ICT BULLDOZERS

Item	Model	D37EXi-24	D39EXi-24	D51EXi-24	D61EXi-24
Source		Japan	Japan	Japan	Japan
Emissions		T4F/S4	T4F/S4	T4F/S4	T4F/S4
OPERATING WEIGHT*	kg (lb)	9080 (18,870)	10010 (22,070)	13780 (30,380)	18640 (41,090)
TRACTOR WEIGHT	kg (lb)	8000 (16,490)	8850 (19,510)	12110 (26,700)	17560 (38,710)**
HORSEPOWER SAE J1995 Gross ISO 9249/SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	67.7 (90.7)/2200 66.1 (88.6)/2200 62.3 (83.5)/2200	80 (107)/2200 78.4 (105)/2200 72.9 (97.7)/2200	99 (133)/2200 98 (131)/2200 91 (122)/2200	127 (170)/2200 125 (168)/2200 113 (152)/2200
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
2nd		5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd		8.5 (5.3)	8.5 (5.3)	9.0 (5.6)	9.0 (5.6)
Variable travel speed		0 to 8.5 (5.3)	0 to 8.5 (5.3)	0.8 (0.5) to 9.0 (5.6)	0.8 (0.5) to 9.0 (5.6)
Reverse 1st		4.1 (2.5)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
2nd		6.5 (4.0)	6.5 (4.0)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd		8.5 (5.3)	8.5 (5.3)	9.0 (5.6)	9.0 (5.6)
Variable travel speed		0 to 8.5 (5.3)	0 to 8.5 (5.3)	0.8 (0.5) to 9.0 (5.6)	0.8 (0.5) to 9.0 (5.6)
Max. drawbar pull	kg (lb/kN)	15300 (33,730/150)	14800 (32,630/145)	22123 (48770/217)	28100 (61,950/275.6)
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	3340 (11'0")	3340 (11'0")	3660 (12'0")	4165 (13'8")
Overall length*	mm (ft.in)	4275 (14'0")	4385 (14'5")	4800 (15'9")	5480 (18'0")
Overall width (w/o trunnion)	mm (ft.in)	1970 (6'6")	2080 (6'10")	2350 (7'6")	2500 (8'2")
Overall width (with blade)*	mm (ft.in)	2710 (8'11")	2710 (8'11")	3045 (10'0")	3250 (10'8")
Overall height ⁵	mm (ft.in)	2945 (9'8")	3010 (9'11")	3175 (10'5")	3340 (11'0")
Track gauge	mm (ft.in)	1570 (5'2")	1620 (5'4")	1790 (5'10")	1900 (6'3")
Length of track on ground	mm (ft.in)	2230 (7'4")	2345 (7'8")	2745 (9'0")	3165 (10'5")
ENGINE:					
Model		KOMATSU SAA4D95LE-7	KOMATSU SAA4D95LE-7	KOMATSU SAA4D107E-3	KOMATSU SAA6D107E-3
No. of cylinders- bore x stroke	mm (in)	4-95 x 115 (3.74 x 4.53)	4-95 x 115 (3.74 x 4.53)	4-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)
Piston displacement	ltr. (cu.in)	3.26 (199)	3.26 (199)	4.5 (275)	6.69 (408)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		1/6	1/6	2/7	2/8
Width of standard shoe	mm (in)	400 (15.7)***	460 (18)***	560 (22)***	600 (24)***
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	190 (50.2)	190 (50.2)	270 (71.3)	372 (98.3)
*) Spec conditions: Bulldozer Rear attachment Upper attachment		PAT - ROPS cab	PAT - ROPS cab	PAT (narrow blade) - ROPS cab	PAT (narrow blade) - ROPS cab

Item	Model	D65EXi-18	D85EXi-18	D155AXi-8	
Source		Japan	Japan	Japan	
Emissions		T4F/S4	T4F/S4	T4F/S4	
OPERATING WEIGHT*	kg (lb)	21600 (47,620)	30600 (67,460)	41100 (90,610)	
TRACTOR WEIGHT	kg (lb)	19190 (42,310)	24270 (53,510)	32760 (72,220)	
HORSEPOWER SAE J1995 Gross ISO 9249/SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	164 (220)/1950 162 (217)/1950 144 (193)/1950	199 (267)/1900 197 (264)/1900 179 (240)/1900	268 (360)/1900 264 (354)/1900 239 (320)/1950	
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.6 (2.2)	3.3 (2.1)	3.5 (2.2)	
2nd		5.5 (3.4)	6.1 (3.8)	5.6 (3.5)	
3rd L/3rd		7.2 (4.5)/11.2 (7.0)	7.8 (4.8)/10.1 (6.3)	7.5 (4.7)/11.6 (7.2)	
Variable travel speed		-	-	-	
Reverse 1st		4.4 (2.7)	4.4 (2.7)	4.3 (2.7)	
2nd		6.6 (4.1)	8.0 (5.0)	6.8 (4.2)	
3rd L/3rd		8.6 (5.3)/13.4 (8.3)	9.2 (5.7)/13.0 (8.1)	9.2 (5.7)/14.0 (8.7)	
Variable travel speed		-	-	-	
Max. drawbar pull	kg (lb/kN)	-	-	-	
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	4430 (14'6")	4815 (14'3")	5105 (16'9")	
Overall length*	mm (ft.in)	5490 (18'0")	7325 (24'0")	8420 (27'7")	
Overall width (w/o trunnion)	mm (ft.in)	2490 (8'2")	2610 (8'7")	2765 (9'1")	
Overall width (with blade)*	mm (ft.in)	3410 (11'2")	3575 (11'9")	4060 (13'4")	
Overall height ⁵	mm (ft.in)	3330 (10'11")	3500 (11'6")	3570 (11'9")	
Track gauge	mm (ft.in)	1880 (6'2")	2000 (6'7")	2140 (7'0")	
Length of track on ground	mm (ft.in)	2970 (9'9")	3030 (9'11")	3275 (10'9")	
ENGINE:					
Model		KOMATSU SAA6D114E-6	KOMATSU SAA6D125E-7	KOMATSU SAA6D140E-7	
No. of cylinders- bore x stroke	mm (in)	6-114 x 144.5 (4.49 x 5.69)	6-125 x 150 (4.92 x 5.91)	6-140 x 165 (5.51 x 6.50)	
Piston displacement	ltr. (cu.in)	8.85 (540)	11.04 (674)	15.24 (930)	
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/7	2/7	
Width of standard shoe	mm (in)	610 (24)***	610 (24)***	560 (22)	
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	415 (109.6)	470 (124.1)	625 (165)	
*) Spec conditions: Bulldozer Rear attachment Upper attachment		SIGMADOZER - ROPS cab	SIGMADOZER *Multi-shank ripper ROPS cab	Strengthened dual SIGMADOZER Giant ripper ROPS cab	

** With C frame for PAT
*** PLUS spec

⁵: To top of GNSS antenna
T4F/S4: EPA Tier 4 Final and Stage 4

Specifications (Low Ground Pressure Tractors)

ICT BULLDOZERS

Item	Model	D37PXi-24	D39PXi-24	D51PXi-24	D61PXi-24
Source		Japan	Japan	Japan	Japan
Emissions		T4F/S4	T4F/S4	T4F/S4	T4F/S4
OPERATING WEIGHT*	kg (lb)	9380 (20,680)	10500 (23,150)	14260 (31,440)	19580 (43,170)
TRACTOR WEIGHT	kg (lb)	8240 (18,170)	9270 (20,440)	12470 (27,490)	18440 (38,030)**
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	67.7 (90.7)/2200	80 (107)/2200	99 (133)/2200	127 (170)/2200
ISO 9249/SAE J1349 Net	kW (HP)/RPM	66.1 (88.6)/2200	78.4 (105)/2200	98 (131)/2200	125 (168)/2200
Hyd. fan at max. speed Net	kW (HP)/RPM	62.3 (83.5)/2200	72.9 (97.7)/2200	91 (122)/2200	113 (152)/2200
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
2nd		5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd		8.5 (5.3)	8.5 (5.3)	9.0 (5.6)	9.0 (5.6)
Variable travel speed		0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Reverse 1st		4.1 (2.5)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
2nd		6.5 (4.0)	6.5 (4.0)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd		8.5 (5.3)	8.5 (5.3)	9.0 (5.6)	9.0 (5.6)
Variable travel speed		0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Max. drawbar pull	kg (lb/kN)	15300 (33,730/150)	14800 (32,630/145)	22123 (48770/217)	28100 (61,950/275.6)
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	3340 (11'0")	3340 (11'0")	3660 (12'0")	4165 (13'8")
Overall length*	mm (ft.in)	4275 (14'0")	4385 (14'5")	4850 (15'11")	5480 (18'0")
Overall width (w/o trunnion)	mm (ft.in)	2310 (7'7")	2445 (8'2")	2590 (8'6")	2990 (9'10")
Overall width (with blade)*	mm (ft.in)	3200 (10'6")	3250 (10'8")	3350 (11'0")	3860 (12'8")
Overall height*	mm (ft.in)	2945 (9'8")	3010 (9'11")	3175 (10'5")	3340 (11'0")
Track gauge	mm (ft.in)	1710 (5'7")	1810 (5'11")	1880 (6'2")	2130 (7'0")
Length of track on ground	mm (ft.in)	2230 (7'4")	2345 (7'8")	2745 (9'0")	3165 (10'5")
ENGINE:					
Model		KOMATSU SAA4D95LE-7	KOMATSU SAA4D95LE-7	KOMATSU SAA4D107E-3	KOMATSU SAA6D107E-3
No. of cylinders- bore x stroke	mm (in)	4-95 x 115 (3.74 x 4.53)	4-95 x 115 (3.74 x 4.53)	4-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)
Piston displacement	ltr. (cu.in)	3.26 (199)	3.26 (199)	4.5 (275)	6.69 (408)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		1/6	1/6	2/7	2/8
Width of standard shoe	mm (in)	600 (24)***	635 (25)***	710 (28)***	860 (34)***
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	190 (50.2)	190 (50.2)	270 (71.3)	372 (98.3)
*) Spec conditions:					
Bulldozer		PAT	PAT	PAT	PAT
Rear attachment		-	-	-	-
Upper attachment		ROPS cab	ROPS cab	ROPS cab	ROPS cab

Item	Model	D65PXi-18	D85PXi-18		
Source		Japan	Japan		
Emissions		T4F/S4	T4F/S4		
OPERATING WEIGHT*	kg (lb)	23720 (52,290)	29520 (65,080)		
TRACTOR WEIGHT	kg (lb)	20680 (45,590)	26210 (57,780)		
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	164 (220)/1950	199 (267)/1900		
ISO 9249/SAE J1349 Net	kW (HP)/RPM	162 (217)/1950	197 (264)/1900		
Hyd. fan at max. speed Net	kW (HP)/RPM	144 (193)/1950	179 (240)/1900		
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.6 (2.2)	3.3 (2.1)		
2nd		5.6 (3.5)	6.1 (3.8)		
3rd L/3rd		7.3 (4.5)/11.3 (7.0)	7.8 (4.8)/10.1 (6.3)		
Variable travel speed		-	-		
Reverse 1st		4.5 (2.8)	4.4 (2.7)		
2nd		6.7 (4.2)	8.0 (5.0)		
3rd L/3rd		8.7(5.4)/13.6 (8.5)	9.2(5.7)/13.0 (8.1)		
Variable travel speed		-	-		
Max. drawbar pull	kg (lb/kN)	-	-		
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	4380 (14'4")	4885 (16'0")		
Overall length*	mm (ft.in)	5790 (19'0")	6225 (20'5")		
Overall width (w/o trunnion)	mm (ft.in)	2990 (9'10")	3160 (10'4")		
Overall width (with blade)*	mm (ft.in)	4010 (13'2")	4355 (14'4")		
Overall height*	mm (ft.in)	3330 (10'11")	3500 (11'6")		
Track gauge	mm (ft.in)	2230 (7'4")	2250 (7'5")		
Length of track on ground	mm (ft.in)	3275 (10'9")	3460 (11'5")		
ENGINE:					
Model		KOMATSU SAA6D114E-6	KOMATSU SAA6D125E-7		
No. of cylinders- bore x stroke	mm (in)	6-114 x 144.5 (4.49 x 5.69)	6-125 x 150 (4.92 x 5.91)		
Piston displacement	ltr. (cu.in)	8.85 (540)	11.04 (674)		
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/8	2/8		
Width of standard shoe	mm (in)	760 (30)***	910 (36)		
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	415 (109.6)	470 (124.1)		
*) Spec conditions:					
Bulldozer		PAT	Straight tilt dozer		
Rear attachment		-	Long drawbar		
Upper attachment		ROPS cab	ROPS cab		

**: With C fram for PAT
***: PLUS spec

*5: To top of GNSS antenna
T4F/S4: EPA Tier 4 Final and Stage 4

Single grouser shoe

Model	Shoe width mm (in)	Ground contact area cm ² (in ²)	Ground pressure kg/cm ² (PSI/kPa)	Change in operating weight kg (lb)	Application**
D37EXi-24	400 (15.7)*	17840 (2,765)	0.45 (6.38/44.0)	±0	B
	460 (18)	20520 (3181)	0.39 (5.60/38.6)	+80 (176)	B
D37PXi-24	600 (23.6)*	26760 (4,148)	0.31 (4.38/30.2)	±0	C
D39EXi-24	460 (18)*	21570 (3,344)	0.41 (5.83/40.2)	±0	B
	510 (20)	23920 (3,707)	0.37 (5.31/36.6)	+90 (198)	B
D39PXi-24	635 (25)*	29780 (4,616)	0.31 (4.39/30.3)	±0	B
	700 (27.6)	32830 (5,088)	0.28 (4.03/27.8)	+100 (220)	C
D51EXi-24	560 (22)*	30750 (4,766)	0.39 (5.55/38.2)	±0	B
D51PXi-24	710 (28)*	38980 (6,042)	0.32 (4.52/31.2)	±0	C
D61EXi-24	600 (246)*	37980 (5,887)	0.43 (6.16/42.5)	±0	B
D61PXi-24	860 (34)*	54440 (8,438)	0.32 (4.51/31.1)	±0	C
D65EXi-18	610 (24)*	36230 (5,616)	0.53 (7.53/52.0)	±0	B
D65PXi-18	760 (30)**	49780 (7,716)	0.42 (5.91/40.7)	±0	B
	915 (36)*	59935 (9,290)	0.35 (4.94/34.1)	±0	C
D85EXi-18	610 (24)*	36965 (5,730)	0.66 (9.34/64.3)	±0	B
	660 (26)	39995 (6199)	0.61 (8.70/59.8)	+200 (441)	B
D85PXi-18	910 (36)*	62970 (9760)	0.42 (5.92/40.8)	±0	C
D155AXi-8	560 (22)*	36680 (5,685)	0.89 (12.7/87.6)	±0	A
	610 (24)	39955 (6,193)	0.82 (11.7/80.9)	+200 (441)	A
	660 (26)	43230 (6,700)	0.77 (10.9/75.2)	+410 (904)	B
	710 (28)	46505 (7,208)	0.72 (10.2/70.4)	+620 (1367)	B

* : Standard shoe

** : See theclassification of shoe application

*** : for PAT dozer

Extreme service shoe

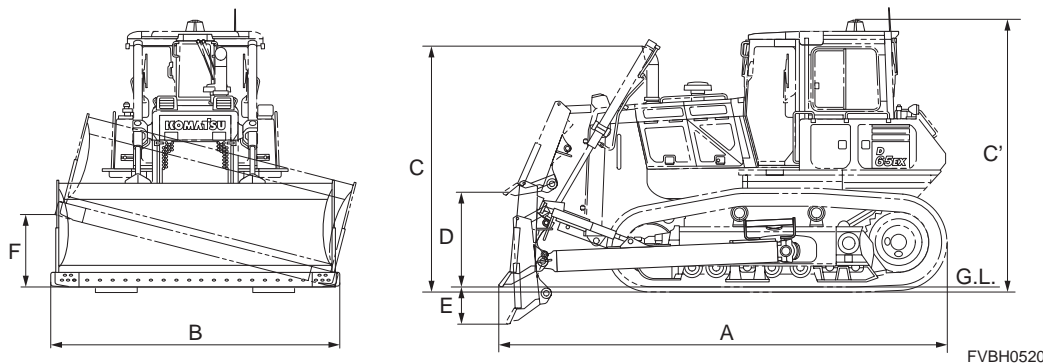
Model	Shoe width mm (in)	Ground contact area cm ² (in ²)	Ground pressure kg/cm ² (PSI/kPa)	Change in operating weight kg (lb)	Application**
D85EXi-18	610 (24)	36965 (5,730)	0.66 (9.41/64.7)	+190 (419)	B
	660 (26)	39995 (6199)	0.62 (8.77/60.5)	+390 (860)	B
D155AXi-8	560 (22)	36680 (5,685)	0.91 (12.9/88.8)	+460 (1014)	A
	610 (24)	39955 (6,193)	0.84 (11.9/82.1)	+700 (1543)	A
	660 (26)	43230 (6,700)	0.78 (11.1/76.5)	+940 (2072)	B

Attachment	Model	D37-24		D39-24		D51-24		D61-24	
		EXi	PXi	EXi	PXi	EXi	PXi	EXi	PXi
Power angle-tiltadozer (PAT)		○	○	○	○	○	○	○	○
PAT (Narrow blade)			○		○	○			
PAT (Wide blade)								○	
PAT (Foldable blade)									○
PAT (High capacity blade)						○			
Semi-U-tiltadozer									
Power tilt and pitch dozer									

Attachment	Model	D65-18		D85-18		D155-8
		EXi	PXi	EXi	PXi	AXi
Straight-tiltadozer			○		○	
Strengthened straight-tiltadozer						
Power angle-tiltadozer (PAT)						
PAT (Narrow blade)			○			
PAT (Wide blade)						
PAT (Foldable blade)						
Semi U-tiltadozer						○
Dual tilt semi-U-dozer						○
Strengthened dual tilt semi-U-dozer						○
U-tiltdoder						○
Dual tilt U-dozer						○
SIGMADOZER		○		○		
Strengthened SIGMADOZER				○		○
Dual SIGMADOZER						
Strengthened dual SIGMADOZER						○

Blade Specifications Straight Tilt Dozer

ICT BULLDOZERS



FVBH0520

Item		Model	D65PXi-18	D85PXi-18		
OPERATING WEIGHT*		kg (lb)	22980 (50,660)	29350 (64,710)		
BLADE CAPACITY LH** SAE		m ³ (yd ³)	4.80 (6.28) 3.69 (4.83)	8.19 (10.72) 5.9 (7.7)		
DIMENSION*						
A	Overall length	mm (ft.in)	5680 (18'8")	6025 (19'9")		
B	Overall width	mm (ft.in)	3970 (13'0")	4355 (14'4")		
C	Overall height	mm (ft.in)	2970 (9'9")	3300 (10'10")		
C'	Overall height***	mm (ft.in)	3330 (10'4")	3500 (11'6")		
	Ground pressure	kg/cm ² (PSI)	0.38 (5.45)	0.47 (6.63)		
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2150 (4,740)	3140 (6,920)		
	Length	mm (ft.in)	3970 (13'0")	4355 (14'4")		
	Height	mm (ft.in)	1100 (3'7")	1400 (4'7")		
D	Max. lift above ground	mm (ft.in)	1130 (3'8")	1240 (4'0")		
E	Max. drop below ground	mm (ft.in)	535 (1'9")	550 (1'10")		
F	Max. tilting adjustment	mm (ft.in)	890 (2'11")	500 (1'8")		
	Digging angle	degree	55	55		
UPPER ATTACHMENT			ROPS cab	ROPS cab		

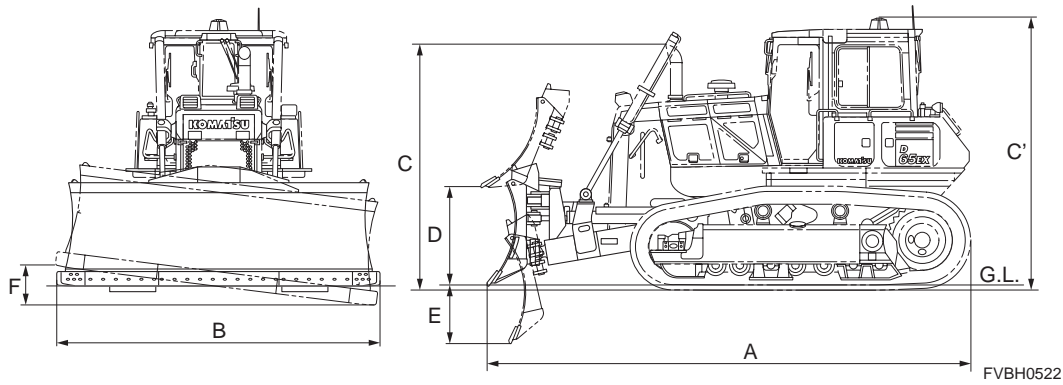
* : Including dozer equipment in addition to bare tractor

** : L: Blade length H: Blade height

*** : To top of GNSS antenna

Blade Specifications Power Angle Tilt Dozer

ICT BULLDOZERS



FVBH0522

Item		Model	D37EXi-24	D37PXi-24	D37PXi-24	D39EXi-24
OPERATING WEIGHT*		kg (lb)	9080 (20,020)	9380 (20,680)	9345 (20,600)	10010 (22,070)
BLADE CAPACITY						
LH**		m ³ (yd ³)	2.03 (2.66)	2.23 (2.92)	2.00 (2.62)	2.60 (3.40)
SAE			1.91 (2.50)	2.13 (2.79)	1.95 (2.55)	2.21 (2.89)
DIMENSION*						
A	Overall length	mm (ft.in)	4275 (14'0")	4275 (14'0")	4275 (14'0")	4385 (14'5")
B	Overall width	mm (ft.in)	2710 (8'11")	3200 (10'6")	2875 (9'5")	2710 (8'11")
C	Overall height	mm (ft.in)	—	—	—	—
C'	Overall height***	mm (ft.in)	2945 (9'10")	2945 (9'10")	2945 (9'10")	3010 (9'11")
	Ground pressure	kg/cm ² (PSI)	0.51 (7.23)	0.35 (5.00)	0.35 (4.97)	0.33 (4.69)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Narrow Blade Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1080 (2,380)	1140 (2,510)	1105 (2,440)	1160 (2,560)
	Length	mm (ft.in)	2710 (8'11")	3200 (10'6")	2875 (9'5")	2710 (8'11")
	Height	mm (ft.in)	865 (2'10")	835 (2'9")	835 (2'9")	980 (3'3")
D	Max. lift above ground	mm (ft.in)	800 (2'7")	800 (2'7")	800 (2'7")	820 (2'8")
E	Max. drop below ground	mm (ft.in)	380 (1'3")	380 (1'3")	380 (1'3")	440 (1'5")
F	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	370 (1'3") 24/24	435 (1'5") 24/24	390 (1'3") 24/24	365 (1'2") 25/25
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

Item		Model	D39PXi-24	D39PXi-24	D51EXi-24	D51EXi-24
OPERATING WEIGHT*		kg (lb)	10500 (23,150)	10455 (23,050)	13780 (30,380)	13830 (30,490)
BLADE CAPACITY						
LH**		m ³ (yd ³)	2.69 (3.52)	2.47 (3.23)	3.75 (4.91)	4.13 (5.4)
SAE			2.40 (3.14)	2.22 (2.90)	2.70 (3.5)	2.90 (3.8)
DIMENSION*						
A	Overall length	mm (ft.in)	4385 (14'5")	4385 (14'5")	4800 (15'8")	4800 (15'8")
B	Overall width	mm (ft.in)	3250 (10'8")	2980 (9'9")	3045 (10'0")	3350 (11'0")
C	Overall height	mm (ft.in)	—	—	—	—
C'	Overall height***	mm (ft.in)	3010 (9'11")	3010 (9'11")	3175 (10'5")	3175 (10'5")
	Ground pressure	kg/cm ² (PSI)	0.35 (4.97)	0.35 (4.95)	0.45 (6.37)	0.45 (6.40)
DOZER EQUIPMENT						
	Type		Inside mount	Narrow Blade Inside mount	Inside mount	Wide Blade Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1230 (2,710)	1185 (2,610)	1670 (3,680)	1720 (3,790)
	Length	mm (ft.in)	3250 (10'8")	2980 (9'9")	3045 (10'0")	3350 (10'0")
	Height	mm (ft.in)	910 (3'0")	910 (3'0")	1120 (3'8")	1120 (3'8")
D	Max. lift above ground	mm (ft.in)	820 (2'8")	820 (2'8")	1015 (3'4")	1015 (3'4")
E	Max. drop below ground	mm (ft.in)	440 (1'5")	440 (1'5")	455 (1'6")	455 (1'6")
F	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	440 (1'5") 25/25	405 (1'4") 25/25	425 (1'5") 29/29	470 (1'6") 29/29
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

** : L: Blade length H: Blade height

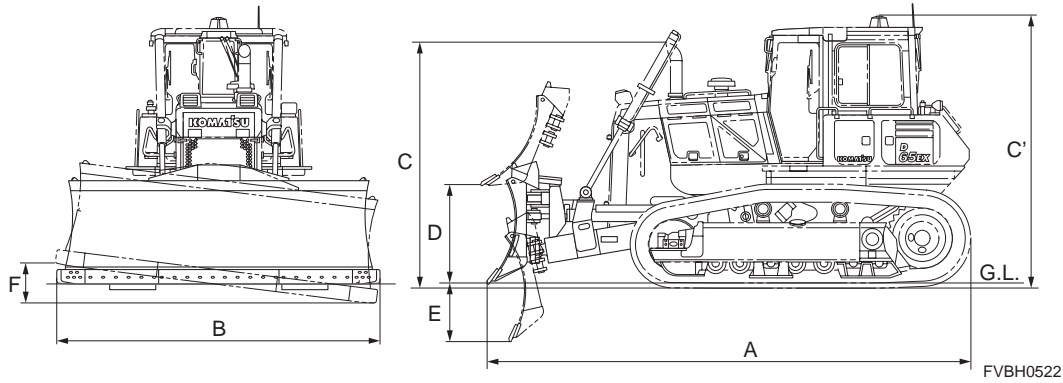
*** : To top of GNSS antenna

*4 : With 760 mm(30") shoe

*5 : With 915 mm(36") shoe

Blade Specifications Power Angle Tilt Dozer

ICT BULLDOZERS



FVBH0522

Item		Model	D51PXi-24	D51PXi-24	D61EXi-24	D61PXi-24
OPERATING WEIGHT*		kg (lb)	14190 (31,280)	14260 (31,440)	18640 (41,090)	19580 (43,170)
BLADE CAPACITY						
LH**		m ³ (yd ³)	4.13 (5.4)	4.58 (5.99)	4.64 (6.07)	5.15 (6.74)
SAE			2.90 (3.8)	3.35 (4.38)	3.40 (4.45)	3.80 (4.97)
DIMENSION*						
A	Overall length	mm (ft.in)	4800 (15'8")	4850 (18'0")	5480 (18'0")	5480 (18'0")
B	Overall width	mm (ft.in)	3350 (11'0")	3350 (11'0")	3250 (10'8")	3860 (12'8")
C	Overall height	mm (ft.in)	—	—	—	—
C'	Overall height***	mm (ft.in)	3175 (10'5")	3175 (10'5")	3340 (11'0")	3340 (11'0")
	Ground pressure	kg/cm ² (PSI)	0.36 (5.18)	0.37 (5.20)	0.49 (6.97)	0.36 (5.11)
DOZER EQUIPMENT						
	Type		Inside mount	High capacity Blade Inside mount	Narrow Blade Inside mount	Wide Blade Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1720 (3,790)	1790 (3,950)	2180 (4,810)	2330 (5,140)
	Length	mm (ft.in)	3350 (10'0")	3350 (10'0")	3250 (10'8")	3860 (12'8")
	Height	mm (ft.in)	1120 (3'8")	1170 (3'10")	1195 (3'11")	1155 (3'9")
D	Max. lift above ground	mm (ft.in)	1015 (3'4")	1035 (3'5")	1025 (3'4")	1025 (3'4")
E	Max. drop below ground	mm (ft.in)	455 (1'6")	475 (1'7")	580 (1'11")	580 (1'11")
F	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	470 (1'6") 29/29	470 (1'6") 29/29	435 (1'5") 24/24	515 (1'8") 24/24
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

Item		Model	D61PXi-24	D65PXi-18 ^{*4}	D65PXi-18 ^{*5}
OPERATING WEIGHT*		kg (lb)	19850 (43,760)	23720 (52,290)	24660 (54,370)
BLADE CAPACITY					
LH**		m ³ (yd ³)	5.15 (6.74)	5.90 (7.72)	5.90 (7.72)
SAE			3.80 (4.97)	4.42 (5.78)	4.42 (5.78)
DIMENSION*					
A	Overall length	mm (ft.in)	5480 (18'0")	5790 (19'0")	5830 (19'2")
B	Overall width	mm (ft.in)	3860 (12'8")	4010 (13'2")	4295 (14'1")
C	Overall height	mm (ft.in)	—	2970 (9'9")	2970 (9'9")
C'	Overall height***	mm (ft.in)	3340 (11'0")	3330 (10'11")	3330 (10'11")
	Ground pressure	kg/cm ² (PSI)	0.36 (5.18)	0.48 (6.78)	0.41 (5.85)
DOZER EQUIPMENT					
	Type		Foldable Blade Inside mount	Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	2600 (5,730)	3040 (6,700)	3080 (6,790)
	Length	mm (ft.in)	3860 (12'8")	4010 (13'2")	4295 (14'1")
	Height	mm (ft.in)	1155 (3'9")	1235 (4'1")	1190 (3'11")
D	Max. lift above ground	mm (ft.in)	1025 (3'4")	1170 (3'10")	1190 (3'11")
E	Max. drop below ground	mm (ft.in)	580 (1'11")	695 (2'3")	710 (2'4")
F	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	515 (1'8") 24/24	520 (1'8") 25/25	555 (1'10") 25/25
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab

** : L: Blade length H: Blade height

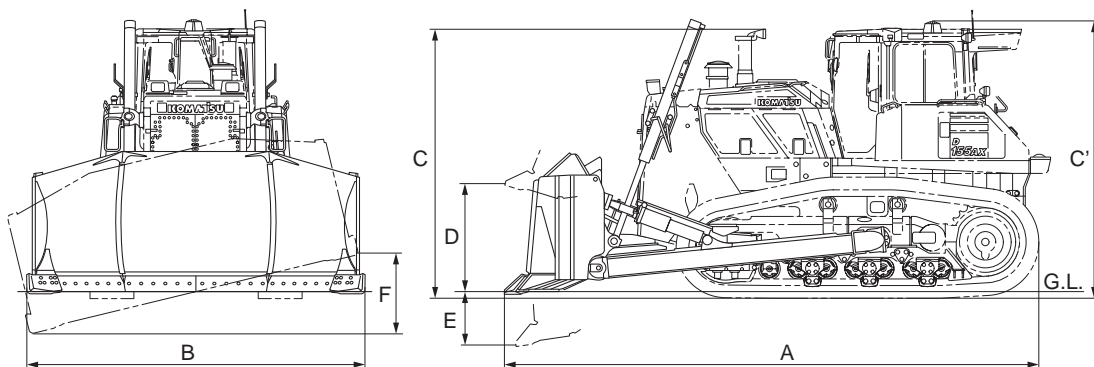
*** : To top of GNSS antenna

*4 : With 760 mm(30") shoe

*5 : With 915 mm(36") shoe

Blade Specifications U-tiltadozer

ICT BULLDOZERS



FVBH0525

Item		Model	D155AXi-8	D155AXi-8 ^{*4}		
OPERATING WEIGHT*		kg (lb)	38440 (84,740)	38930 (85,830)		
BLADE CAPACITY LH** SAE		m ³ (yd ³)	13.5 (17.7) 11.9 (15.6)	13.5 (17.7) 11.9 (15.6)		
DIMENSION*						
A	Overall length	mm (ft.in)	6785 (22'3")	6785 (22'3")		
B	Overall width	mm (ft.in)	4260 (14'0")	4260 (14'0")		
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")		
C'	Overall height***	mm (ft.in)	3570 (11'9")	3570 (11'9")		
	Ground pressure	kg/cm ² (PSI)	1.05 (14.9)	1.06 (15.1)		
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	5680 (12,520)	6170 (13,600)		
	Length	mm (ft.in)	4260 (14'00")	4260 (14'00")		
	Height	mm (ft.in)	1790 (5'10")	1790 (5'10")		
D	Max. lift above ground	mm (ft.in)	1315 (4'4")	1315 (4'4")		
E	Max. drop below ground	mm (ft.in)	600 (2'0")	600 (2'0")		
F	Max. tilting adjustment	mm (ft.in)	920 (3'0")			
	Digging angle	degree	52	52		
UPPER ATTACHMENT			ROPS cab	ROPS cab		

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

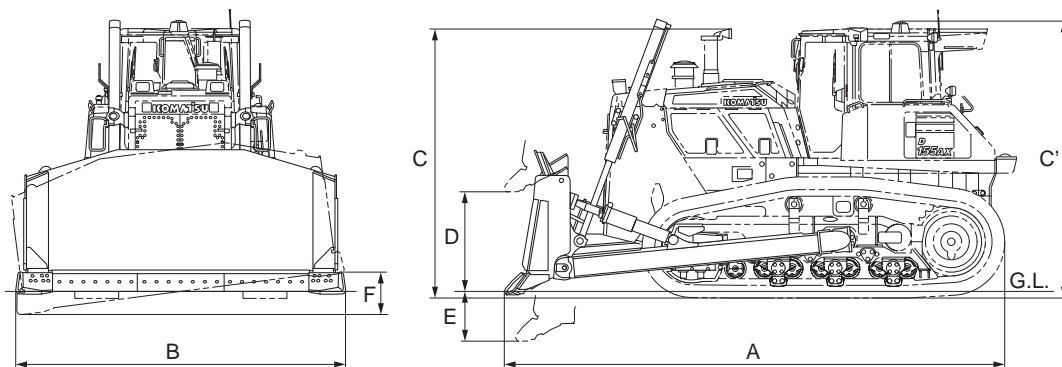
** : L: Blade length H: Blade height

*** : To top of GNSS antenna

*4 : Dual tilt U-tiltadozer

Blade Specifications Semi-U-tiltdozer

ICT BULLDOZERS



FVBH0524

Item		Model	D155AXi-8	D155AXi-8 ^{*4}	D155AXi-8 ^{*5}	
OPERATING WEIGHT*		kg (lb)	37770 (83,270)	38260 (84,350)	38660 (85,230)	
BLADE CAPACITY LH** SAE		m ³ (yd ³)	13.2 (17.3) 9.4 (12.3)	13.2 (17.3) 9.4 (12.3)	13.2 (17.3) 9.4 (12.3)	
DIMENSION*						
A	Overall length	mm (ft.in)	6365 (20'11")	6365 (20'11")	6365 (20'11")	
B	Overall width	mm (ft.in)	4130 (13'7")	4130 (13'7")	4130 (13'7")	
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")	3385 (11'1")	
C'	Overall height***	mm (ft.in)	3570 (11'9")	3570 (11'9")	3570 (11'9")	
	Ground pressure	kg/cm ² (PSI)	1.03 (14.6)	1.04 (14.8)	1.05 (15.0)	
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	5010 (11,050)	5500 (12,130)	5900 (13,010)	
	Length	mm (ft.in)	4130 (13'7")	4130 (13'7")	4130 (13'7")	
	Height	mm (ft.in)	1790 (5'10")	1790 (5'10")	1790 (5'10")	
D	Max. lift above ground	mm (ft.in)	1315 (4'4")	1315 (4'4")	1315 (4'4")	
E	Max. drop below ground	mm (ft.in)	600 (2'0")	600 (2'0")	600 (2'0")	
F	Max. tilting adjustment	mm (ft.in)	505 (1'8")	880 (2'11")	880 (2'11")	
	Digging angle	degree	52	52	52	
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	

* : Including dozer equipment in addition to bare tractor

** : L: Blade length H: Blade height

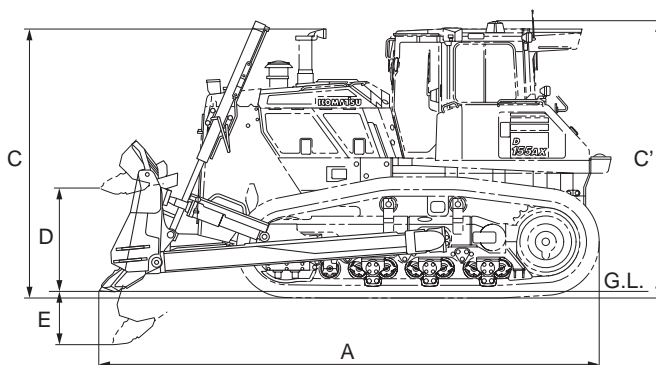
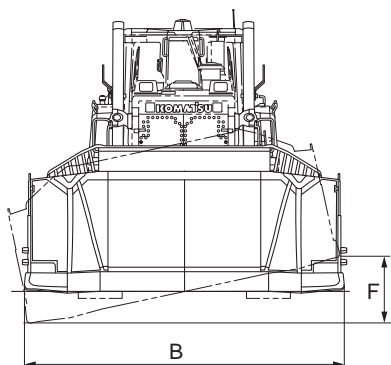
*** : To top of GNSS antenna

*4 : Dual semi-U-tiltdozer

*5 : Strengthened dual semi-U-tiltdozer

Blade Specifications SIGMADOZER

ICT BULLDOZERS



FVBH0523

Item		Model	D65EXi-18	D85EXi-18	D85EXi-18 ⁵	D155AXi-8 ⁵
OPERATING WEIGHT*		kg (lb)	21600 (47,620)	28100 (61,950)	28300 (62,390)	38170 (84,150)
BLADE CAPACITY LH** SAE		m ³ (yd ³)	6.92 (9.05) 5.61 (7.34)	9.91 (13.0) 7.2 (9.4)	9.91 (13.0) 7.2 (9.4)	13.2 (17.3) 9.4 (12.3)
DIMENSION*						
A	Overall length	mm (ft.in)	5490 (18'0")	5810 (19'1")	5810 (19'1")	6300 (20'8")
B	Overall width	mm (ft.in)	3410 (11'2")	3575 (11'9")	3575 (11'9")	4060 (13'4")
C	Overall height	mm (ft.in)	2970 (9'9")	3300 (10'10")	3300 (10'10")	3385 (11'1")
C'	Overall height***	mm (ft.in)	3330 (10'11")	3500 (11'6")	3500 (11'6")	3570 (11'9")
	Ground pressure	kg/cm ² (PSI)	0.60 (8.5)	0.76 (10.8)	0.77 (10.9)	1.04 (14.8)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2400 (5,290)	3830 (8,400)	4030 (8,880)	5410 (11,930)
	Length	mm (ft.in)	3410 (11'2")	3575 (11'9")	3575 (11'9")	4060 (13'4")
	Height	mm (ft.in)	1425 (4'8")	1665 (5'5")	1665 (5'5")	1880 (6'2")
D	Max. lift above ground	mm (ft.in)	1135 (3'9")	1225 (4'0")	1225 (4'0")	1315 (4'4")
E	Max. drop below ground	mm (ft.in)	500 (1'8")	580 (1'11")	580 (1'11")	680 (2'3")
F	Max. tilting adjustment	mm (ft.in)	870 (2'10")	700 (2'4")	700 (2'4")	495 (1'7")
	Digging angle	degree	46	46	46	50
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

Item		Model	D155AXi-8 ⁶			
OPERATING WEIGHT*		kg (lb)	38660 (85,230)			
BLADE CAPACITY LH** SAE		m ³ (yd ³)	13.2 (17.3) 9.4 (12.3)			
DIMENSION*						
A	Overall length	mm (ft.in)	6300 (20'8")			
B	Overall width	mm (ft.in)	4060 (13'4")			
C	Overall height	mm (ft.in)	3385 (11'1")			
C'	Overall height***	mm (ft.in)	3570 (11'9")			
	Ground pressure	kg/cm ² (PSI)	1.05 (15.0)			
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	5900 (13,010)			
	Length	mm (ft.in)	4060 (13'4")			
	Height	mm (ft.in)	1880 (6'2")			
D	Max. lift above ground	mm (ft.in)	1315 (4'4")			
E	Max. drop below ground	mm (ft.in)	680 (2'3")			
F	Max. tilting adjustment	mm (ft.in)	870 (2'10")			
	Digging angle	degree	50			
UPPER ATTACHMENT			ROPS cab			

* : Including dozer equipment in addition to bare tractor

** : L: Blade length H: Blade height

*** : To top of GNSS antenna

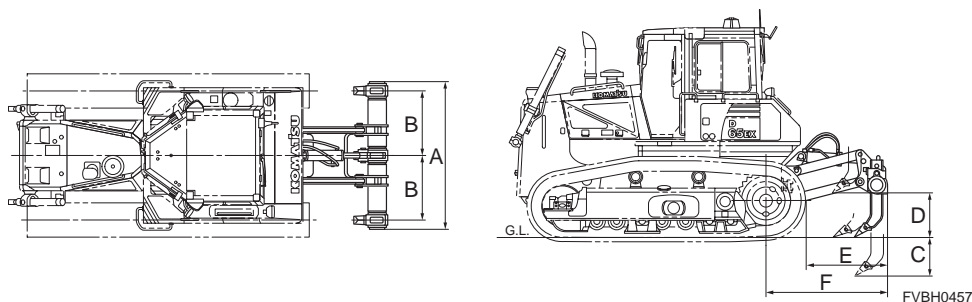
*4 : Dual tilt SIGMADOZER

*5 : Strengthened type

*6 : Strengthened dual tilt SIGMADOZER

Ripper Specifications Multi-shank Ripper (Rigid type)

ICT BULLDOZERS



Item		Model	D37EXi-24	D39EXi-24	D51EXi-24	D61EXi-24
A	Weight**	kg (lb)	700 (1,540)	700 (1,540)	850 (1,870)	1780 (3,920)
	Beam length	mm (ft.in)	1570 (5'2")	1570 (5'2")	1555 (5'1")	2170 (7'1")
B	Shanks:					
	No. of shanks		3	3	3	3
	Tooth point		Replaceable	Replaceable	Replaceable	Replaceable
	Pitch (3 shank)	mm (ft.in)	700 (2'4")	700 (2'4")	700 (2'4")	950 (3'1")
C	Pitch (2 shank)	mm (ft.in)				1900 (6'3")
	Digging angle	degree	Fixed	Fixed	55°	55°
	Digging depth		Fixed	Fixed	3-stage adjustable	3-stage adjustable
D	Max. digging depth	mm (ft.in)	325 (1'1")	265 (10.4")	425 (1'5")	665 (2'2")
E	Max. lift above ground	mm (ft.in)	400 (1'4")	465 (1'6")	380 (1'3")	455 (1'0")
F	Tail length (from track rear end)	mm (ft.in)			1045 (3'5")	1275 (4'2")
	Tail length	mm (ft.in)	1565 (5'2")	1570 (5'2")		1805 (5'11")
	HYDRAULIC CONTROL UNIT*	kg (lb)	20 (44)	20 (44)	16 (35)	16 (35)

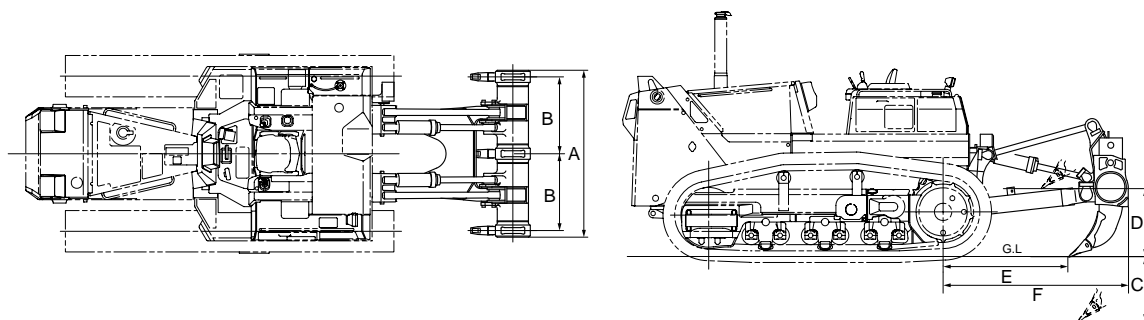
Item		Model	D65EXi-18	D85EXi-18		
A	Weight**	kg (lb)	1920 (4,230)	2500 (5,510)		
	Beam length	mm (ft.in)	2170 (7'1")	2250 (7'5")		
B	Shanks:					
	No. of shanks		3	3		
	Tooth point		Replaceable	Replaceable		
	Pitch (3 shank)	mm (ft.in)	950 (3'1")	1000 (3'3")		
C	Pitch (2 shank)	mm (ft.in)	1900 (6'3")	2000 (6'7")		
	Digging angle	degree	55°	54.5°		
	Digging depth		2-stage adjustable	2-stage adjustable		
D	Max. digging depth	mm (ft.in)	590 (1'11")	645 (2'1")		
E	Max. lift above ground	mm (ft.in)	640 (2'1")	575 (1'11")		
F	Tail length (from track rear end)	mm (ft.in)	1340 (4'5")	1515 (5'0")		
	Tail length	mm (ft.in)	1930 (5'11")			
	HYDRAULIC CONTROL UNIT*	kg (lb)	20 (44)			

* : Including additional oil weight

** : Including the hydraulic control unit

Ripper Specifications Multi-shank Ripper (Variable type)

ICT BULLDOZERS



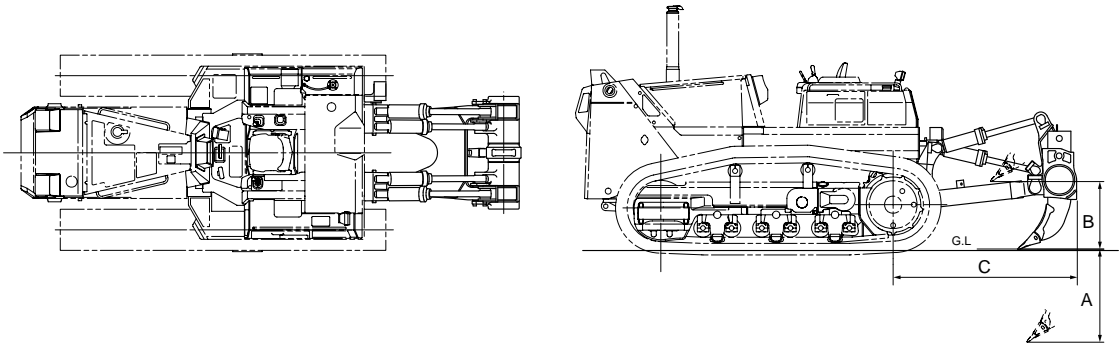
Item		Model	D155AXi-8			
	RIPPER EQUIPMENT: Type		Variable digging angle type			
A	Weight** Beam length	kg (lb) mm (ft.in)	3760 (8,290) 2320 (7'7")			
B	Shanks: No. of shanks Tooth point Pitch (3 shank) Pitch (2 shank) Digging angle	mm (ft.in) mm (ft.in) degree	3 Replaceable 1070 (3'6") 2140 (7'0") Std:49° Stepless adjustable			
C	Digging depth		2-stage adjustable			
D	Max. digging depth	mm (ft.in)	900 (2'11")			
E	Max. lift above ground	mm (ft.in)	950 (3'1")			
F	Tail length (from track rear end)	mm (ft.in)	2100 (6'11")			
	Tail length	mm (ft.in)	2745 (9'0")			
	HYDRAULIC CONTROL UNIT*	kg (lb)				

* : Including additional oil weight

** : Including the hydraulic control unit

Ripper Specifications Giant Ripper (Variable type)

ICT BULLDOZERS



Item		Model	D155AXi-8			
	RIPPER EQUIPMENT: Type Weight** Shanks: No. of shanks Tooth point Digging angle Digging depth A Max. digging depth B Max. lift above ground C Tail length C' Tail length (from track rear end)	 kg (lb) degree mm (ft.in) mm (ft.in) mm (ft.in) mm (ft.in)	Variable digging angle type 2440 (5,380) 1 Reversible Std:49° Stepless adjustable 3-stage adjustable 1240 (4'1") 950 (3'1") 3045 (10'0") 2400 (7'10")			
	HYDRAULIC CONTROL UNIT*	kg (lb)				

* : Including additional oil weight

** : Including the hydraulic control unit

SECTION **1B**

**ICT EXCAVATORS
(BACKHOE)**

CONTENTS

Specifications 1B-2
Dimensions 1B-3
Working Ranges and Digging Force 1B-4
Ground Pressure 1B-5
Bucket and Arm Combinations 1B-6

Specifications

ICT EXCAVATORS (BACKHOE)

Item		Model	PC210LCi-11	PC210LCi-11	PC210LCi-10	PC210LCi-10
Source			Japan	UK	Japan	UK
Emissions			T4F/S4	T4F/S4	T4i/S3B	T4i/S3B
OPERATING WEIGHT*		kg (lb)	23000 (50,710)	22410 (50,330)	22690 (50,020)	22410 (50,330)
HORSEPOWER		SAE J1995 Gross ISO 9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 123 (165)/2000 123 (165)/2000 119 (159)/2000	123 (165)/2000 118 (158)/2000	123 (165)/2000 118 (158)/2000	123 (165)/2000 118 (158)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.50 ~ 0.93 (0.65) (1.22)	0.43 ~ 1.68 (0.56) (2.20)	0.50 ~ 0.93 (0.65) (1.22)	0.43 ~ 1.68 (0.56) (2.20)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max. travel speed		Hi Mi Lo RPM km/h (MPH)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS:		See the page of dimensions.				
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-3	SAA6D107E-3	SAA6D107E-2	SAA6D107E-2
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump		ltr. (U.S. Gal)/min.	475 (125.5)	475 (125.5)	475 (125.5)	475 (125.5)
Max. oil flow		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Max. oil pressure						
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.41 (5.8)	600 (24)/ 0.47 (6.7)	700 (28)/ 0.41 (5.8)	600 (24)/ 0.47 (6.7)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S. Gal)	400 (106)	400 (106)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S. Gal)	132 (35)	132 (35)	132 (35)	132 (35)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18' 8")	5700 (18' 8")	5700 (18' 8")	5700 (18' 8")
Arm		mm (ft.in)	2925 (9' 7")	2925 (9' 7")	2925 (9' 7")	2925 (9' 7")
Bucket (SAE)		m ³ (cu.yd)	0.80 (1.05)	0.80 (1.05)	0.80 (1.05)	0.80 (1.05)

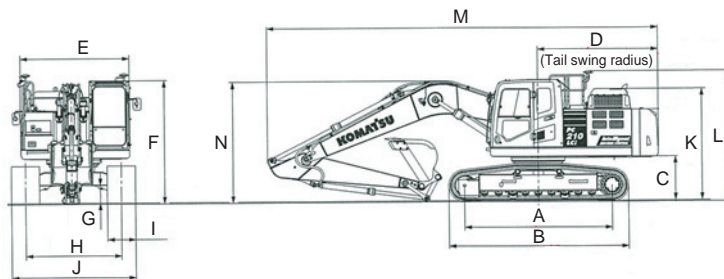
Item		Model	PC360LCi-11	PC490LCi-11	PC490LCi-11**
Source			Japan	Japan	Japan
Emissions			T4F/S4	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	36200 (79,810)	46500 (102,510)	47500 (104,720)
HORSEPOWER		SAE J1995 Gross ISO 9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 202 (271)/1950 192 (257)/1950	270 (362)/1900 268 (359)/1900	270 (362)/1900 268 (359)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.40 ~ 1.96 (1.83) (2.56)	1.90 ~ 2.10 (2.49) (2.75)	1.90 ~ 2.10 (2.49) (2.75)
PERFORMANCE:					
Swing speed		RPM	9.5	9.1	9.1
Max. travel speed		Hi Mi Lo RPM km/h (MPH)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)
DIMENSIONS:		See the page of dimensions.			
ENGINE:			KOMATSU	KOMATSU	KOMATSU
Model			SAA6D114E-6	SAA6D125E-7	SAA6D125E-7
No. of cylinders- bore × stroke		mm (in)	6-114 × 144.5 (4.49 × 5.69)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	8.85 (540)	11.04 (674)	11.04 (674)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump		ltr. (U.S. Gal)/min.	535 (141)	739 (195)	739 (195)
Max. oil flow		kg/cm ² (PSI)	390 (5550)	380 (5400)	380 (5400)
Max. oil pressure					
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	850 (33.5)/ 0.49 (6.9)	700 (28)/ 0.71 (10.1)	700 (28)/ 0.73 (10.4)
CAPACITY (Refilled):					
Fuel tank		ltr. (U.S. Gal)	605 (160)	650 (172)	650 (172)
Hydraulic oil tank		ltr. (U.S. Gal)	188 (49.7)	248 (65.5)	248 (65.5)
MACHINE SPEC:					
Boom		mm (ft.in)	6470 (21' 3")	7060 (23' 2")	7060 (23' 2")
Arm		mm (ft.in)	3185 (10' 5")	3380 (11' 1")	3380 (11' 1")
Bucket (SAE)		m ³ (cu.yd)	1.96 (2.56)	1.90 (2.49)	1.90 (2.49)

*: Operating weight includes coolant, lubricants, full fuel tank, operator 80kg(180lb) and, indicated implement, shoes and upper attachment.

** : Variable gauge

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4



	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (ft.in)	J mm (ft.in)	K mm (ft.in)	L mm (ft.in)	M mm (ft.in)
PC210LCi-11	3655 (12'0")	4450 (14'7")	1085 (3'7")	3020 (9'11")	2705 (8'10")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2765 (9'1")	3205 (10'6")	9705 (31'10")
PC210LCi-11*	3655 (12'0")	4450 (14'7")	1085 (3'7")	2940 (9'8")	2850 (9'4")	3045 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2250 (7'5")	3205 (10'6")	9625 (31'7")
PC210LCi-10	3655 (12'0")	4450 (14'7")	1085 (3'7")	2940 (9'8")	2850 (9'4")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2605 (8'7")	3135** (10'3")	9625 (31'7")
PC210LCi-10*	3655 (12'0")	4450 (14'7")	1085 (3'7")	2940 (9'8")	2850 (9'4")	3045 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2250*** (7'5")	3135** (10'3")	9625 (31'7")
PC360LCi-11	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	3145 (10'4")	3160 (10'4")	498 (1'8")	2590 (8'6")	850 (33.5")	3440 (11'3")	3135 (10'3")	3330 (10'11")	11145 (36'7")
													11170 (36'8")
PC490LCi-11	4350 (14'3")	5385 (17'8")	1385 (4'7")	3645 (12'0")	3145 (10'4")	3360 (11'0")	700 (2'4")	2890 (9'6")	700 (28")	3590 (11'9")	3630 (11'11")	3705 (12'2")	11930 (39'2")
													11950 (39'2")

	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC210LCi-11	2995 (9'10")	5.7 (18'8")	2.925 (9'6")
PC210LCi-11*	2995 (9'10")	5.7 (18'8")	2.925 (9'6")
PC210LCi-10	2995 (9'10")	5.7 (18'8")	2.925 (9'6")
PC210LCi-10*	2995 (9'10")	5.7 (18'8")	2.925 (9'6")
PC360LCi-11	3285 (10'9")	6.47 (21'3")	3.185 (10'5")
	3760 (12'4")		4.02 (13'2")
PC490LCi-11	3635 (11'11")	7.06 (23'2")	3.38 (11'1")
	3885 (12'9")		4.0 (13'1")

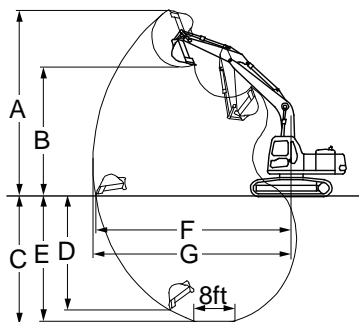
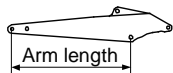
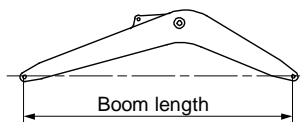
*: UK source

** : Top of handlail

***: Top of counterweight

Working Ranges and Digging Force

ICT EXCAVATORS (BACKHOE)



FVBH0020

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
PC210LCi-11 PC210LCi-10	5.7 (18'8")	2.925 (9'6")	9970 (32'9")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC210LCi-11* PC210LCi-10*	5.7 (18'8")	2.925 (9'6")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC360LCi-11	6.47 (21'3")	3.185 (10'6")	10210 (33'6")	7110 (23'4")	7380 (24'3")	6480 (21'3")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23200 (51,150/228)	17400 (38,360/171)
		4.02 (13'1")	10550 (34'7")	7490 (24'7")	8180 (26'10")	7280 (23'11")	8045 (26'5")	11730 (38'6")	11900 (39'1")	23100 (50,930/227)	14700 (32,410/144)
PC490LCi-11	7.06 (23'2")	3.38 (11'1")	10980 (36'0")	7630 (25'0")	7755 (25'5")	6805 (22'4")	7615 (25'0")	11810 (38'9")	12030 (39'6")	28000 (61,730/275)	21800 (48,060/214)
		4.00 (13'1")	11090 (36'5")	7780 (25'6")	8380 (27'6")	7220 (23'8")	8250 (27'0")	12365 (40'7")	12565 (41'3")	28000 (61,730/275)	19400 (42,770/190)

*: UK source

*1 Using Power Max. function

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC210LCi-11	Triple-grouser	600 (24")	47350 (7339)	0.48 (6.83)	-200 (441)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.41 (5.83)	±0	:2.925 m (9'7")
		800 (31.5")	63130 (9785)	0.37 (5.26)	+300 (661)	:0.80 m ³ (1.05 cu.yd)
		900 (35.3")	71020 (11008)	0.33 (4.69)	+600 (1323)	
PC210LCi-11*	Triple-grouser	600 (24")*	47350 (7339)	0.47 (6.68)	±0	:5.7 m (18'8")
		700 (28")	55240 (8562)	0.41 (5.83)	+280 (617)	:2.9 m (9'7")
		800 (31.5")	63130 (9785)	0.36 (5.12)	+600 (1323)	:0.80 m ³ (1.05 cu.yd)
		900 (35.4")	71020 (11008)	0.33 (4.69)	+930 (2050)	
PC210LCi-10	Triple-grouser	600 (24")	47350 (7339)	0.47 (6.68)	-280 (617)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.41 (5.83)	±0	:2.925 m (9'7")
		800 (31.5")	63130 (9785)	0.36 (5.12)	+320 (705)	:0.80 m ³ (1.05 cu.yd)
		900 (35.3")	71020 (11008)	0.33 (4.69)	+650 (1433)	
PC210LCi-10*	Triple-grouser	600 (24")*	47350 (7339)	0.47 (6.68)	±0	:5.7 m (18'8")
		700 (28")	55240 (8562)	0.41 (5.83)	+280 (617)	:2.9 m (9'7")
		800 (31.5")	63130 (9785)	0.36 (5.12)	+600 (1323)	:0.80 m ³ (1.05 cu.yd)
		900 (35.4")	71020 (11008)	0.33 (4.69)	+930 (2050)	
PC360LCi-11	Triple-grouser	700 (28")	61190 (9484)	0.58 (8.25)	-600 (1323)	:6.47 m (21'3")
		800 (31.5")	69930 (10839)	0.51 (7.25)	-200 (441)	:3.185 m (10'5")
		850 (33.5")*	74300 (11517)	0.49 (6.97)	±0	:1.96 m ³ (2.56 cu.yd)
PC490LCi-11	Triple-grouser	700 (28")*	65390 (10135)	0.71 (10.1)	±0	:7.06 m (23'2")
		800 (31.5")	74730 (11583)	0.63 (8.96)	+500 (1102)	:3.38 m (11'1")
		900 (35.4")	84070 (13030)	0.56 (7.96)	+900 (1984)	:1.90 m ³ (2.49 cu.yd)

*: Standard shoe

*: UK source

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- × : Not usable.

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)	
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)			
PC210LCi-11, PC210LCi-10					2.93 (9'7")	
0.50 (0.65)	0.45 (0.59)	750 (29.5")	875 (34.4")	478 (1,050)	○	
0.80 (1.05)	0.70 (0.92)	1050 (41.3")	1170 (46.1")	635 (1,400)	○	
0.93 (1.22)	0.84 (1.10)	1200 (47.2")	1325 (52.2")	696 (1,530)	⊙	
PC360LCi-11					3.185 (10'5")	4.02 (13'2")
1.40 (1.83)	1.20 (1.57)	1458 (57.4")	—	1428 (3,148)	○	○
PC490LCi-11					3.38 (11'1")	4.0 (13'1")
1.90 (2.49)	1.70 (2.22)	1625 (64")	—	1941 (4,279)	○	○
2.10 (2.75)	1.90 (2.49)	1745 (68.7")	—	2043 (4,504)*	○	○

CRAWLER-TYPE TRACTORS	Sec 2A
BULLDOZERS	Sec 2B
RIPPERS	Sec 2C
TOWING WINCHES	Sec 2D
PIPELAYERS	Sec 2E
TRIMMING DOZERS	Sec 2F

SECTION **2A**

**CRAWLER-TYPE
TRACTORS**

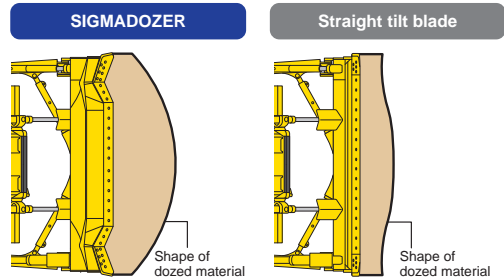
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■ High productivity

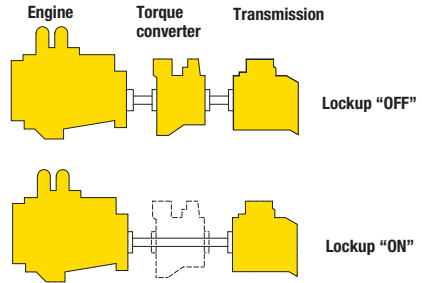
● SIGMA DOZER

Based on a completely new digging theory, SIGMADOZER dramatically improves dozing performance and increases productivity. A new frontal design concept adopted for digging and rolling up at the center of the blade increases soil holding capacity, simultaneously reducing sideways spillage. Reduced digging resistance produces smoother flow of earth, enabling the dozing of larger quantities of soil with less power.



● Automatic Transmission with Lockup Torque Converter

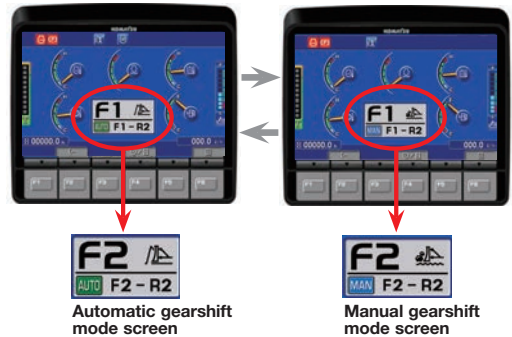
A sharp reduction in fuel consumption and greater power train efficiency is achieved by the automatic gearshift transmission and lock up torque converter. The automatic gearshift transmission selects the optimal gear range depending on the working conditions and load placed on the machine. This means the machine is always operating at maximum efficiency. (Manual gearshift mode is selectable with a switch)



● Automatic/Manual Gearshift Selectable Mode

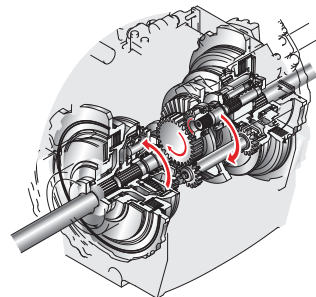
Automatic or manual gearshift modes can be selected with ease to suit the work at hand by simply pressing the switch on the multi-monitor (selection at neutral).

- Automatic gearshift mode
The mode for general dozing. When a load is applied, the gear automatically shifts down, and when the load is off, it automatically shifts up to a set maximum gear speed. This mode economizes both fuel and production where the torque converter lockup mechanism is actuated according to load, automatically selecting the optimum gear speed.
- Manual gearshift mode
The mode for dozing and ripping rough ground. When loaded, the gear automatically shifts down, but does not shift up when the load is off.



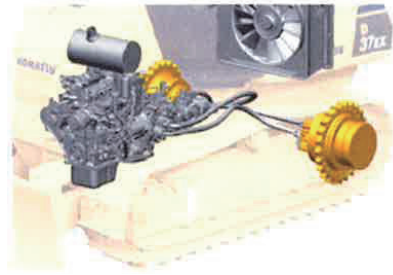
● Hydrostatic Steering System (HSS)

The engine power is transmitted to both tracks without power interruption on the inside track for smooth, powerful turns. Counter-rotation while in neutral is available for minimum turning radius providing excellent maneuverability.



- **Hydrostatic Transmission (HST) with electronic control**

Komatsu-designed Hydrostatic Transmission (HST) allows for Quick-Shift or variable speed selection. The HST consists of dual-path closed circuits with two variable displacement piston pumps and two variable displacement travel motors. Hydrostatic steering eliminates steering clutches and brakes, providing smooth powerful turns. Fully electronic and enables smooth control. Engine speed is controlled using an electronic fuel control dial.



- **Control & Comfort**

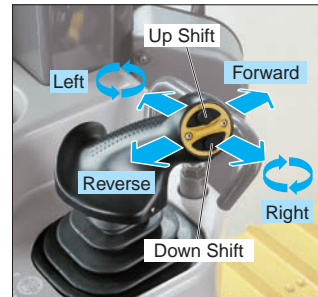
- **Large Multi-Lingual LCD Monitor**

A large user-friendly color monitor enables safe accurate and smooth work. Improved screen visibility is achieved by use of TFT liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multifunction operations.



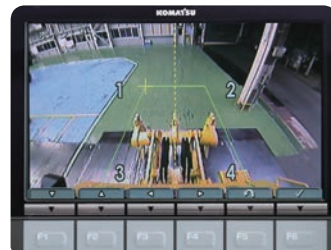
- **Palm Command Control System**

Palm command travel joystick provides the operator with a relaxed posture and superb fine control without operator fatigue. Transmission gear shifting is simplified with thumb push buttons.



- **Rear view monitoring system**

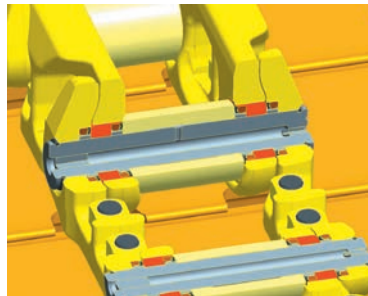
The operator can view the rear of the machine on a color monitor. The camera can be synchronized with the travel lever to display rearview when in reverse.



■ Reliability and Maintenance

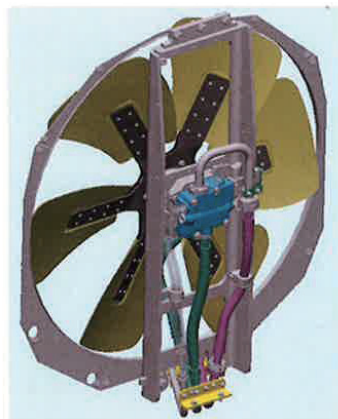
● Parallel Link Undercarriage System

Parallel Link Undercarriage System features a rotary bushing that demonstrates high durability in any working conditions. Allowing the bushing to rotate virtually eliminates bushing wear, resulting in doubled service life of the undercarriage when compared with the conventional undercarriage. In Addition, wear limits of the link and carrier roller are increased to balance with the extended service life of the bushing.



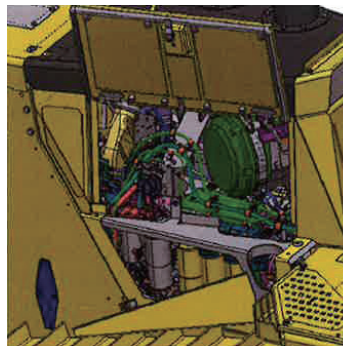
● Hydraulic drive radiator cooling fan

Fan rotation is automatically controlled depending on coolant and hydraulic oil temperature, saving fuel consumption and providing great productivity with a quiet operating environment.



● Concentrated Engine Check Point

The opening area is large when the gull-wing engine side covers are opened, facilitating engine daily checks and maintenance. Side covers have been changed to a thick one-piece structure with a bolt-on latch to improve durability.



Specifications

CRAWLER-TYPE TRACTORS

Item	Model	D21A-8E0	D31EX-22	D37EX-24	D37EX-24
Source		Japan	Japan	Japan	Japan (for USA)
Emissions		T3/S3A	T3/S3A	T4F/S4	T4F/S4
OPERATING WEIGHT*	kg (lb)	3710 (8,180)	7670 (16,910)	9000 (19,840)	9080 (20,020)
TRACTOR WEIGHT	kg (lb)	3160 (6,970)	6520 (14,370)	7940 (17,500)	8020 (17,680)
HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	32.4 (43.4)/2450	60 (80)/2200 58 (78)/2200 53 (71)/2200	67.7 (90.7)/2200 66.1 (88.6)/2200 62.3 (83.5)/2200	67 (91)/2200 66 (89)/2200 62.3 (83.5)/2200
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	2.6 (1.6)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
2nd		4.4 (2.7)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd		-	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)
Variable travel speed		-	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)
Reverse 1st		3.3 (2.1)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
2nd		5.6 (3.5)	6.5 (4.0)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd		-	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)
Variable travel speed		-	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)
Max. drawbar pull	kg (lb/kN)	4520 (9,970/44.3)	15300 (33,730/150)	15300 (33,730/150)	15300 (33,730/150)
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	2405 (7'11")	3220 (10'7")	3340 (10'11")	3340 (10'11")
Overall length*	mm (ft.in)	3250 (10'8")	4175 (13'8")	4275 (14'0")	4275 (14'0")
Overall width (w/o trunnion)	mm (ft.in)	1610 (5'3")	1910 (6'3")	1970 (6'6")	2030 (6'8")
Overall width (with blade)*	mm (ft.in)	2170 (7'1")	2550 (8'4")	2710 (8'11")	2710 (8'11")
Overall height*	mm (ft.in)	1785 (5'10")	2760 (9'1")	2785 (9'2") ⁵	2785 (9'2") ⁵
Track gauge	mm (ft.in)	1310 (4'4")	1510 (4'11")	1570 (5'2")	1570 (5'2")
Length of track on ground	mm (ft.in)	1685 (5'6")	2185 (7'2")	2230 (7'4")	2230 (7'4")
ENGINE:					
Model		KOMATSU 4D94LE-2	KOMATSU SAA4D95LE-5	KOMATSU SAA4D95LE-7	KOMATSU SAA4D95LE-7
No. of cylinders- bore x stroke	mm (in)	4-94 x 110 (3.70 x 4.33)	4-95 x 115 (3.74 x 4.53)	4-95 x 115 (3.74 x 4.53)	4-95 x 115 (3.74 x 4.53)
Piston displacement	ltr. (cu.in)	3.053 (186)	3.26 (199)	3.26 (199)	3.26 (199)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		1/5	1/6	1/6	1/6
Width of standard shoe	mm (in)	300 (11.8)	400 (15.7)	400 (15.7) ⁴	460 (18) ⁴
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	60 (15.9)	195 (51.5)	190 (50.2)	190 (50.2)
*) Spec conditions:					
Bulldozer		PAT	PAT	PAT	PAT
Rear attachment		-	-	-	-
Upper attachment		-	ROPS canopy	ROPS cab**	ROPS cab**

Item	Model	D37EX-23	D37EX-22	D39EX-24	D39EX-24
Source		Japan	Japan	Japan	Japan (for USA)
Emissions		T4i/S3B	T3/S3A	T4F/S4	T4F/S4
OPERATING WEIGHT*	kg (lb)	8560 (18,870)	7890 (17,400)	9930 (21,890)	10020 (22,090)
TRACTOR WEIGHT	kg (lb)	7480 (16,490)	6710 (14,800)	8790 (19,380)	8880 (19,580)
HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	67.7 (90.7)/2200 66.1 (88.6)/2200 62.3 (83.5)/2200	68 (91)/2200 66 (89)/2200 59 (79)/2200	80 (107)/2200 78.4 (105)/2200 72.9 (97.7)/2200	79 (107)/2200 78 (105)/2200
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
2nd		5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd		8.5 (5.3)	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)
Variable travel speed		0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)
Reverse 1st		4.1 (2.5)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
2nd		6.5 (4.0)	6.5 (4.0)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd		8.5 (5.3)	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)
Variable travel speed		0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)
Max. drawbar pull	kg (lb/kN)	15300 (33,730/150)	15300 (33,730/150)	14800 (32,630/145)	14800 (32,630/145)
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	3270 (10'9")	3185 (10'5")	3340 (10'11")	3340 (10'11")
Overall length*	mm (ft.in)	4275 (14'0")	4190 (13'9")	4385 (14'5")	4385 (14'5")
Overall width (w/o trunnion)	mm (ft.in)	1970 (6'6")	1910 (6'3")	2080 (6'10")	2130 (7'0")
Overall width (with blade)*	mm (ft.in)	2710 (8'11")	2710 (8'11")	2710 (8'11")	2710 (8'11")
Overall height*	mm (ft.in)	2775 (9'1")	2760 (9'1")	2850 (9'4") ⁵	2850 (9'4") ⁵
Track gauge	mm (ft.in)	1570 (5'2")	1510 (4'11")	1620 (5'4")	1620 (5'4")
Length of track on ground	mm (ft.in)	2240 (7'4")	2240 (7'4")	2345 (7'8")	2345 (7'8")
ENGINE:					
Model		KOMATSU SAA4D95LE-6	KOMATSU SAA4D95LE-5	KOMATSU SAA4D95LE-7	KOMATSU SAA4D95LE-7
No. of cylinders- bore x stroke	mm (in)	4-95 x 115 (3.74 x 4.53)	4-95 x 115 (3.74 x 4.53)	4-95 x 115 (3.74 x 4.53)	4-95 x 115 (3.74 x 4.53)
Piston displacement	ltr. (cu.in)	3.26 (199)	3.26 (199)	3.26 (199)	3.26 (199)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		1/6	1/6	1/6	1/6
Width of standard shoe	mm (in)	400 (15.7)	400 (15.7)	460 (18) ⁴	510 (20) ⁴
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	190 (50.2)	195 (51.5)	190 (50.2)	190 (50.2)
*) Spec conditions:					
Bulldozer		PAT	PAT	PAT	PAT
Rear attachment		-	-	-	-
Upper attachment		ROPS cab**	ROPS cab**	ROPS cab**	ROPS cab**

** : Integrated cab
*** : With C frame for PAT

*4 : PLUS spec
*5 : To top of KOMTRAX antenna
*6 : Extreme service shoe

T3/S3A : EPA Tier 3 and Stage 3A
T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent
T4i/S3B : EPA Tier 4 Interim and Stage 3B
T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications

CRAWLER-TYPE TRACTORS

Item		Model	D39EX-23	D39EX-22	D51EX-24	D51EX-24
Source			Japan	Japan	Japan	Japan (for EU)
Emissions			T4i/S3B	T3/S3A	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	9270 (20,440)	9040 (19,930)	13700 (30,200)	13760 (30,340)
TRACTOR WEIGHT		kg (lb)	8160 (17,990)	7800 (17,200)	12050 (25,570)	12050 (25,570)
HORSEPOWER SAE J1995 Gross		kW (HP)/RPM	80 (107)/2200	79.9 (107)/2200	99 (133)/2200	99 (133)/2200
ISO9249/SAE J1349 Net		kW (HP)/RPM	78.4 (105)/2200	79 (105)/2200	98 (131)/2200	98 (131)/2200
Hyd. fan at max. speed Net		kW (HP)/RPM	72.9 (97.7)/2200	71 (95)/2200	91 (122)/2200	91 (122)/2200
PERFORMANCE:						
Travel speed Forward 1st		km/h (MPH)	0 to	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
2nd			8.5 (5.3)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd			-	8.5 (5.3)	9.0 (5.6)	9.0 (5.6)
Variable travel speed			0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Reverse 1st			0 to	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
2nd			8.5 (5.3)	6.5 (4.1)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd			-	8.5 (5.3)	9.0 (5.6)	9.0 (5.6)
Variable travel speed			0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Max. drawbar pull		kg (lb/kN)	14800 (32,630/145)	14800 (32,630/145)	22123 (48,770/217)	22123 (48,770/217)
DIMENSIONS:						
Overall length (tractor)		mm (ft.in)	3345 (11'0")	3295 (10'10")	3660 (12'0")	3660 (12'0")
Overall length*		mm (ft.in)	4385 (14'5")	4335 (14'3")	4800 (15'9")	4800 (15'9")
Overall width (w/o trunnion)		mm (ft.in)	2080 (6'10")	2110 (6'11")	2350 (7'9")	2350 (7'9")
Overall width (with blade)*		mm (ft.in)	2710 (8'11")	2710 (8'11")	3045 (10'0")	3350 (11'0")
Overall height*		mm (ft.in)	2845 (9'4")	2825 (9'3")	3015 (9'11") ⁵	3015 (9'11") ⁵
Track gauge		mm (ft.in)	1620 (5'4")	1650 (5'5")	1790 (5'10")	1790 (5'10")
Length of track on ground		mm (ft.in)	2360 (7'9")	2360 (7'9")	2745 (9'0")	2745 (9'0")
ENGINE:						
Model			KOMATSU SAA4D95LE-6	KOMATSU SAA4D107E-1	KOMATSU SAA4D107E-3	KOMATSU SAA4D107E-3
No. of cylinders- bore x stroke		mm (in)	4-95 x 115 (3.74 x 4.53)	4-107 x 124 (4.21 x 4.88)	4-107 x 124 (4.21 x 4.88)	4-107 x 124 (4.21 x 4.88)
Piston displacement		ltr. (cu.in)	3.26 (199)	4.46 (272)	4.46 (272)	4.46 (272)
UNDERCARRIAGE:						
No. of rollers (carrier/track)			1/6	1/6	2/7	2/7
Width of standard shoe		mm (in)	460 (18.1)	460 (18.1)	560 (22) ⁴	560 (22) ⁴
FUEL TANK CAPACITY (Refilled):		ltr. (U.S.Gal)	190 (50.2)	195 (51.5)	270 (71.3)	270 (71.3)
*) Spec conditions:						
Bulldozer			PAT	PAT	PAT (narrow blade)	PAT (wide blade)
Rear attachment			-	-	-	-
Upper attachment			ROPS cab**	ROPS cab**	ROPS cab**	ROPS cab**

Item		Model	D51EX-24	D51EX-22	D61EX-24	D61EX-24
Source			Brazil	Brazil	Japan	Brazil
Emissions			T4F/S4	T3/S3A	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	13980 (30,820)	14000 (30,860)	18520 (40,830)	18520 (40,830)
TRACTOR WEIGHT		kg (lb)	12330 (27,180)	12400 (27,340)	17530 (38,650)***	17530 (38,650)***
HORSEPOWER SAE J1995 Gross		kW (HP)/RPM	99 (133)/2200	99 (133)/2200	127 (170)/2200	127 (170)/2200
ISO9249/SAE J1349 Net		kW (HP)/RPM	98 (131)/2200	97 (130)/2200	125 (168)/2200	125 (168)/2200
Hyd. fan at max. speed Net		kW (HP)/RPM	91 (122)/2200	90 (120)/2200	113 (152)/2200	113 (152)/2200
PERFORMANCE:						
Travel speed Forward 1st		km/h (MPH)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
2nd			5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd			9.0 (5.6)	9.0 (5.6)	9.0 (5.6)	9.0 (5.6)
Variable travel speed			0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Reverse 1st			4.1 (2.5)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
2nd			6.5 (4.0)	6.5 (4.0)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd			9.0 (5.6)	9.0 (5.6)	9.0 (5.6)	9.0 (5.6)
Variable travel speed			0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Max. drawbar pull		kg (lb/kN)	22123 (48,770/217)	22123 (48,770/217)	28100 (61,950/275)	28100 (61,950/275)
DIMENSIONS:						
Overall length (tractor)		mm (ft.in)	3660 (12'0")	3665 (12'0")	4165 (13'8")	4165 (13'8")
Overall length*		mm (ft.in)	4800 (15'9")	4800 (15'9")	5480 (18'0")	5480 (18'0")
Overall width (w/o trunnion)		mm (ft.in)	2350 (7'9")	2300 (7'6")	2500 (8'2")	2500 (8'2")
Overall width (with blade)*		mm (ft.in)	3045 (10'0")	3350 (11'0")	3250 (10'8")	3250 (10'8")
Overall height*		mm (ft.in)	3015 (9'11") ⁵	3180 (10'5")	3180 (10'5") ⁵	3180 (10'5") ⁵
Track gauge		mm (ft.in)	1790 (5'10")	1790 (5'10")	1900 (6'3")	1900 (6'3")
Length of track on ground		mm (ft.in)	2745 (9'0")	2735 (9'0")	3165 (10'5")	3165 (10'5")
ENGINE:						
Model			KOMATSU SAA4D107E-3	KOMATSU SAA6D107-1	KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-3
No. of cylinders- bore x stroke		mm (in)	4-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)
Piston displacement		ltr. (cu.in)	4.46 (272)	6.69 (408)	6.69 (408)	6.69 (408)
UNDERCARRIAGE:						
No. of rollers (carrier/track)			2/7	2/7	2/8	2/8
Width of standard shoe		mm (in)	560 (22) ⁴	510 (20)	600 (23.6)	600 (23.6)
FUEL TANK CAPACITY (Refilled):		ltr. (U.S.Gal)	270 (71.3)	270 (71.3)	372 (81.8)	372 (81.8)
*) Spec conditions:						
Bulldozer			PAT (narrow blade)	PAT	PAT	PAT
Rear attachment			-	-	-	-
Upper attachment			ROPS cab**	ROPS cab**	ROPS cab**	ROPS cab**

**: Integrated cab
***: With C frame for PAT

*4: PLUS spec
*5: To top of KOMTRAX antenna
*6: Extreme service shoe

T3/S3A : EPA Tier 3 and Stage 3A
T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent
T4i/S3B : EPA Tier 4 Interim and Stage 3B
T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications

CRAWLER-TYPE TRACTORS

Item		Model	D61EX-23	D61EX-23M0	D63E-12	D65E-12
Source			Japan	Brazil	Japan (for Russia)	Japan
Emissions			T4i/S3B	T3/S3A		
OPERATING WEIGHT*		kg (lb)	17700 (39,020)	19770 (43,580)	18500 (40,790)	19125 (42,160)
TRACTOR WEIGHT		kg (lb)	15530 (34,240)	17370 (38,290)	14645 (32,290)	15620 (34,440)
HORSEPOWER SAE J1995 Gross		kW (HP)/RPM	127 (170)/2200	127 (170)/2200	127 (170)/1800	
ISO9249/SAE J1349 Net		kW (HP)/RPM	125 (168)/2200	125 (168)/2200	116 (155)/1800	
Hyd. fan at max. speed Net		kW (HP)/RPM	113 (152)/2200	113 (152)/2200		135 (180)/1950
PERFORMANCE:						
Travel speed Forward 1st		km/h (MPH)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.9 (2.4)
2nd			5.6 (3.5)	5.6 (3.5)	5.8 (3.6)	6.8 (4.2)
3rd L/3rd			8.5 (5.3)	9.0 (5.6)	9.0 (5.6)	10.6 (6.6)
Variable travel speed			0 to 9.0 (5.6)	0 to 9.0 (5.6)	-	-
Reverse 1st			4.1 (2.5)	4.1 (2.5)	4.4 (2.7)	5.0 (3.1)
2nd			6.5 (4.0)	6.5 (4.0)	7.5 (4.7)	8.6 (5.3)
3rd L/3rd			0 to 9.0 (5.6)	9.0 (5.6)	11.0 (6.8)	13.4 (8.3)
Variable travel speed			9.0 (5.6)	0 to 9.0 (5.6)	-	-
Max. drawbar pull		kg (lb/kN)	28100 (61,950/275.6)	28100 (61,950/275)	-	-
DIMENSIONS:						
Overall length (tractor)		mm (ft.in)	4165 (13'8")	4165 (13'8")	3815 (12'6")	4365 (14'4")
Overall length*		mm (ft.in)	5480 (18'0")	5480 (18'0")	6510 (21'4")	5440 (17'10")
Overall width (w/o trunnion)		mm (ft.in)	2500 (8'2")	2500 (8'2")	2485 (8'2")	2390 (7'10")
Overall width (with blade)*		mm (ft.in)	3250 (10'8")	3860 (12'8")	3200 (10'6")	3460 (11'4")
Overall height*		mm (ft.in)	3180 (10'5")	3180 (10'5")	3140 (10'4")	3165 (10'5")
Track gauge		mm (ft.in)	1900 (6'3")	1900 (6'3")	1925 (6'4")	1880 (6'2")
Length of track on ground		mm (ft.in)	3165 (10'5")	3165 (10'5")	2725 (8'11")	2675 (8'9")
ENGINE:						
Model			KOMATSU SAA6D107E-2	KOMATSU SAA6D107E-1	KOMATSU SAA6D114E-2	KOMATSU 6D125E-2
No. of cylinders- bore x stroke		mm (in)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-114 x 135 (4.49 x 5.31)	6-125 x 150 (4.92 x 5.91)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	8.27 (505)	11.04 (674)
UNDERCARRIAGE:						
No. of rollers (carrier/track)			2/8	2/8	2/6	2/7
Width of standard shoe		mm (in)	600 (23.6)	600 (23.6)	560 (22.0)	510 (20.1)
FUEL TANK CAPACITY (Refilled):		ltr. (U.S.Gal)	372 (81.8)	372 (81.8)	315 (83.3)	406 (107)
*) Spec conditions:						
Bulldozer			PAT	PAT	Semi-U tilt	Semi-U tilt
Rear attachment			-	-	Single shank ripper	-
Upper attachment			ROPS cab**	ROPS cab**	Steel cab, ROPS	ROPS canopy

Item		Model	D65EX-18	D65EX-18	D65EX-17	D65EX-17
Source			Japan	Japan	Japan	Japan
Emissions			T4F/S4	T4F/S4	T4i/S3B	T4i/S3B
OPERATING WEIGHT*		kg (lb)	20970 (46,230)	22420 (49,430)	19680 (43,390)	21160 (46,650)
TRACTOR WEIGHT		kg (lb)	18570 (40,940)	19410 (42,790)	17290 (38,120)	18200 (40,120)
HORSEPOWER SAE J1995 Gross		kW (HP)/RPM	164 (220)/1950	164 (220)/1950	155 (207)/1950	155 (207)/1950
ISO9249/SAE J1349 Net		kW (HP)/RPM	162 (217)/1950	162 (217)/1950	153 (205)/1950	153 (205)/1950
Hyd. fan at max. speed Net		kW (HP)/RPM	144 (193)/1950	144 (193)/1950	139 (186)/1950	139 (186)/1950
PERFORMANCE:						
Travel speed Forward 1st		km/h (MPH)	3.6 (2.2)	3.6 (2.2)	3.6 (2.2)	3.6 (2.2)
2nd			5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd			7.3 (4.5)/11.3 (7.0)	7.3 (4.5)/11.3 (7.0)	7.3 (4.5)/11.3 (7.0)	7.3 (4.5)/11.3 (7.0)
Variable travel speed			-	-	-	-
Reverse 1st			4.5 (2.8)	4.5 (2.8)	4.5 (2.8)	4.5 (2.8)
2nd			6.7 (4.2)	6.7 (4.2)	6.7 (4.2)	6.7 (4.2)
3rd L/3rd			8.7 (5.4)/13.6 (8.5)	8.7 (5.4)/13.6 (8.5)	8.7 (5.4)/13.6 (8.5)	8.7 (5.4)/13.6 (8.5)
Variable travel speed			-	-	-	-
Max. drawbar pull		kg (lb/kN)	-	-	-	-
DIMENSIONS:						
Overall length (tractor)		mm (ft.in)	4430 (14'6")	5130 (16'10")	4335 (14'3")	5130 (16'10")
Overall length*		mm (ft.in)	5490 (18'0")	5790 (19'0")	5490 (18'0")	5790 (19'0")
Overall width (w/o trunnion)		mm (ft.in)	2490 (8'2")	2610 (8'7")	2390 (7'10")	2610 (8'7")
Overall width (with blade)*		mm (ft.in)	3410 (11'2")	3870 (12'8")	3410 (11'2")	3870 (12'8")
Overall height*		mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3155 (10'4")
Track gauge		mm (ft.in)	1880 (6'2")	2050 (6'9")	1880 (6'2")	2050 (6'9")
Length of track on ground		mm (ft.in)	2980 (9'9")	2980 (9'9")	2980 (9'9")	2980 (9'9")
ENGINE:						
Model			KOMATSU SAA6D114E-6	KOMATSU SAA6D114E-6	KOMATSU SAA6D114E-5	KOMATSU SAA6D114E-5
No. of cylinders- bore x stroke		mm (in)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 144.5 (4.49 x 5.69)
Piston displacement		ltr. (cu.in)	8.85 (540)	8.85 (540)	8.85 (540)	8.85 (540)
UNDERCARRIAGE:						
No. of rollers (carrier/track)			2/7	2/7	2/7	2/7
Width of standard shoe		mm (in)	610 (24)	560 (22)	510 (20)	560 (22)
FUEL TANK CAPACITY (Refilled):		ltr. (U.S.Gal)	415 (109.6)	415 (109.6)	415 (109.6)	415 (109.6)
*) Spec conditions:						
Bulldozer			SIGMADOZER	PAT	SIGMADOZER	PAT
Rear attachment			-	-	-	-
Upper attachment			ROPS cab**	ROPS cab**	ROPS cab**	ROPS cab**

***: Integrated cab
***: With C frame for PAT

*4: PLUS spec
*5: To top of KOMTRAX antenna
*6: Extreme service shoe

T3/S3A : EPA Tier 3 and Stage 3A
T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent
T4i/S3B : EPA Tier 4 Interim and Stage 3B
T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications

CRAWLER-TYPE TRACTORS

Item	Model	D65EX-16	D65EX-16	D65EX-16	D65WX-18
Source		Japan	Japan	Japan	Japan
Emissions		T3/S3A	T3/S3A	T3/S3A	T4F/S4
OPERATING WEIGHT*	kg (lb)	19510 (43,010)	19360 (42,680)	20990 (46,270)	22340 (49,250)
TRACTOR WEIGHT	kg (lb)	17120 (37,740)	17120 (37,740)	18030 (39,750)	19830 (43,720)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	155 (207)/1950	155 (207)/1950	155 (207)/1950	164 (220)/1950
ISO9249/SAE J1349 Net	kW (HP)/RPM	153 (205)/1950	153 (205)/1950	153 (205)/1950	162 (217)/1950
Hyd. fan at max. speed Net	kW (HP)/RPM	139 (186)/1950	139 (186)/1950	139 (186)/1950	144 (193)/1950
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.6 (2.2)	3.6 (2.2)	3.6 (2.2)	3.6 (2.2)
2nd		5.5 (3.4)	5.5 (3.5)	5.5 (3.4)	5.6 (3.5)
3rd L/3rd		7.2 (4.5)/11.2 (7.0)	7.2(4.5)/11.2 (7.0)	7.2 (4.5)/11.2 (7.0)	7.3 (4.5)/11.3 (7.0)
Variable travel speed		-	-	-	-
Reverse 1st		4.4 (2.7)	4.4 (2.7)	4.4 (2.7)	4.5 (2.8)
2nd		6.6 (4.1)	6.6 (4.1)	6.6 (4.1)	6.7 (4.2)
3rd L/3rd		8.6 (5.3)/13.4 (8.3)	8.6(5.3)/13.4 (8.3)	8.6 (5.3)/13.4 (8.3)	8.7 (5.4)/13.6 (8.5)
Variable travel speed		-	-	-	-
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	4335 (14'3")	4335 (14'3")	5130 (16'10")	4430 (14'6")
Overall length*	mm (ft.in)	5490 (18'0")	5310 (17'5")	5790 (19'0")	5500 (18'1")
Overall width (w/o trunnion)	mm (ft.in)	2390 (7'10")	2390 (7'10")	2610 (8'7")	2810 (9'3")
Overall width (with blade)*	mm (ft.in)	3410 (11'2")	3460 (11'4")	3870 (12'8")	3580 (11'9")
Overall height*	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3155 (10'4")
Track gauge	mm (ft.in)	1880 (6'2")	1880 (6'2")	2050 (6'9")	2050 (6'9")
Length of track on ground	mm (ft.in)	2980 (9'9")	2980 (9'9")	2980 (9'9")	2980 (9'9")
ENGINE:					
Model		KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-6
No. of cylinders- bore x stroke	mm (in)	6 - 114 x 135 (4.49 x 5.31)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 135 (4.49 x 5.31)	6-114 x 144.5 (4.49 x 5.69)
Piston displacement	ltr. (cu.in)	8.27 (505)	8.85 (540)	8.27 (505)	8.85 (540)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/7	2/7	2/7
Width of standard shoe	mm (in)	510 (20.0)	510 (20)	560 (22)	760 (30)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	415 (109.6)	415 (109.6)	415 (109.6)	415 (109.6)
*) Spec conditions:					
Bulldozer		SIGMADOZER	Semi-U tilt	PAT	SIGMADOZER
Rear attachment		-	-	-	-
Upper attachment		ROPS cab**	ROPS cab**	ROPS cab**	ROPS cab**

Item	Model	D65WX-18	D68ESS-12E0	D85ESS-2	D85ESS-2A
Source		Japan	Indonesia	Indonesia	Japan
Emissions		T4F/S4			
OPERATING WEIGHT*	kg (lb)	23340 (51,460)	19800 (43,650)	21490 (47,380)	18230 (40,190)
TRACTOR WEIGHT	kg (lb)	20300 (44,750)	14980 (33,020)	15740 (34,700)	15420 (34,000)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	164 (220)/1950	127 (170)/1800		
ISO9249/SAE J1349 Net	kW (HP)/RPM	162 (217)/1950	116 (155)/1800	161 (215)/1950	149 (200)/1950
Hyd. fan at max. speed Net	kW (HP)/RPM	144 (193)/1950	-		
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.6 (2.2)	3.4 (2.1)	3.9 (2.4)	3.9 (2.4)
2nd		5.6 (3.5)	5.8 (3.6)	6.8 (4.2)	6.8 (4.2)
3rd L/3rd		7.3 (4.5)/11.3 (7.0)	9.0 (6.0)	10.6 (6.6)	10.6 (6.6)
Variable travel speed		-	-	-	-
Reverse 1st		4.5 (2.8)	4.4 (2.7)	5.0 (3.1)	5.0 (3.1)
2nd		6.7 (4.2)	7.6 (4.7)	8.6 (5.3)	8.6 (5.3)
3rd L/3rd		8.7 (5.4)/13.6 (8.5)	11.3 (7.0)	13.4 (8.3)	13.4 (8.3)
Variable travel speed		-	-	-	-
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	5130 (16'10")	4100 (13'5")	4135 (13'7")	4150 (13'7")
Overall length*	mm (ft.in)	5790 (19'0")	6280 (20'7")	6545 (21'6")	5615 (18'5")
Overall width (w/o trunnion)	mm (ft.in)	2810 (9'3")	2535 (8'4")	2660 (8'9")	2560 (8'5")
Overall width (with blade)*	mm (ft.in)	4010 (13'2")	3970 (13'0")	4370 (14'4")	3620 (11'11")
Overall height*	mm (ft.in)	3155 (10'4")	3190 (10'6")	3140 (10'4")	3160 (10'4")
Track gauge	mm (ft.in)	2050 (6'9")	1925 (6'4")	2050 (6'9")	2050 (6'9")
Length of track on ground	mm (ft.in)	2980 (9'9")	2930 (9'7")	2980 (9'9")	2980 (9'9")
ENGINE:					
Model		KOMATSU SAA6D114E-6	KOMATSU SA6D114E-2	KOMATSU S6D125E-2	KOMATSU S6D125E-2
No. of cylinders- bore x stroke	mm (in)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 135 (4.49 x 5.31)	6-125 x 150 (4.92 x 5.91)	6-125 x 150 (4.92 x 5.91)
Piston displacement	ltr. (cu.in)	8.85 (540)	8.3 (506)	11.04 (674)	11.04 (674)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/8	2/8	2/8
Width of standard shoe	mm (in)	760 (30)	610 (24)	610 (24.0)	510 (20.1)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	415 (109.6)	315 (93.3)	407 (107.5)	406 (107)
*) Spec conditions:					
Bulldozer		PAT	Angle dozer	Angledozer	Straight tilt
Rear attachment		-	Winch	Winch	Multi-shank ripper
Upper attachment		ROPS cab**	Sweep guard	Sweep canopy	Canopy

** : Integrated cab
*** : With C frame for PAT

*4 : PLUS spec
*5 : To top of KOMTRAX antenna
*6 : Extreme service shoe

T3/S3A : EPA Tier 3 and Stage 3A
T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent
T4/S3B : EPA Tier 4 Interim and Stage 3B
T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications

CRAWLER-TYPE TRACTORS

Item	Model	D85EX-18	D85EX-18	D85EX-15E0	D85EX-15R
Source		Japan	Japan (for USA)	Japan	Japan
Emissions		T4F/S4	T4F/S4	T3/S3A	
OPERATING WEIGHT*	kg (lb)	30190 (66,560)	30920 (68,170)	28100 (61,950)	28000 (61,730)
TRACTOR WEIGHT	kg (lb)	23870 (52,620)	24390 (53,770)	21220 (46,780)	21120 (46,560)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	199 (267)/1900	199 (267)/1900	199 (266)/1900	199 (266)/1900
ISO9249/SAE J1349 Net	kW (HP)/RPM	197 (264)/1900	197 (264)/1900	197 (264)/1900	197 (264)/1900
Hyd. fan at max. speed Net	kW (HP)/RPM	179 (240)/1900	179 (240)/1900	179 (240)/1900	179 (240)/1900
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.3 (2.1)	3.3 (2.1)	3.3 (2.1)	3.3 (2.1)
2nd		6.1 (3.8)	6.1 (3.8)	6.1 (3.8)	6.1 (3.8)
3rd L/3rd		7.8 (4.8)/10.1(6.3)	7.8 (4.8)/10.1(6.3)	10.1 (6.3)	10.1 (6.3)
Variable travel speed		-	-	-	-
Reverse 1st		4.4 (2.7)	4.4 (2.7)	-	4.4 (2.7)
2nd		8.0 (5.0)	8.0 (5.0)	-	8.0 (5.0)
3rd L/3rd		9.2 (5.7)/13.0 (8.1)	9.2 (5.7)/13.0 (8.1)	13.0 (8.1)	13.0 (8.1)
Variable travel speed		-	-	-	-
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	4815 (15'10")	4815 (15'10")	5035 (16'6")	5035 (16'6")
Overall length*	mm (ft.in)	7355 (24'2")	7325 (24'0")	7255 (23'10")	7255 (23'10")
Overall width (w/o trunnion)	mm (ft.in)	2610 (8'7")	2660 (8'9")	2560 (8'5")	2560 (8'5")
Overall width (with blade)*	mm (ft.in)	3575 (11'9")	3575 (11'9")	3635 (11'11")	3635 (11'11")
Overall height*	mm (ft.in)	3320 (10'11")	3320 (10'11")	3330 (10'11")	3324 (10'11")
Track gauge	mm (ft.in)	2000 (6'7")	2000 (6'7")	2000 (6'7")	2000 (6'7")
Length of track on ground	mm (ft.in)	3050 (10'0")	3050 (10'0")	3050 (10')	3050 (10')
ENGINE:		KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model		SAA6D125E-7	SAA6D125E-7	SAA6D125E-5	SAA6D125E-5
No. of cylinders-	mm (in)	6-125 × 150	6-125 × 150	6-125 × 150	6-125 × 150
bore × stroke		(4.49 × 5.69)	(4.49 × 5.69)	(4.92 × 5.91)	(4.92 × 5.91)
Piston displacement	ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/7	2/7	2/7
Width of standard shoe	mm (in)	610 (26)	660 (26) ⁶	560 (22)	560 (22)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	470 (124.2)	470 (124.2)	490 (129)	490 (129)
*) Spec conditions:			Strengthened		
Bulldozer		SIGMADOZER	SIGMADOZER	Semi-U tilt	Semi-U tilt
Rear attachment		Multi-shank ripper	Multi-shank ripper	Multi-shank ripper	Multi-shank ripper
Upper attachment		ROPS cab**	ROPS cab**	Steel cab, ROPS	Steel cab, ROPS

Item	Model	D155A-6	D155A-5	D155AX-8	D155AX-8
Source		Japan	Japan	Japan	Japan (for USA)
Emissions		T4F/S4		T4F/S4	T4F/S4
OPERATING WEIGHT*	kg (lb)	41700 (91,930)	38700 (85,320)	40500 (89,290)	41740 (92,020)
TRACTOR WEIGHT	kg (lb)	32300 (71,200)	27900 (61,510)	32650 (71,980)	33400 (73,630)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	268 (360)/1900		268 (360)/1900	268 (360)/1900
ISO9249/SAE J1349 Net	kW (HP)/RPM	264 (354)/1900		264 (354)/1900	264 (354)/1900
Hyd. fan at max. speed Net	kW (HP)/RPM	239 (320)/1900	225 (302)/1900	239 (320)/1950	239 (320)/1950
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.9 (2.4)	3.7 (2.3)	3.5 (2.2)	3.5 (2.2)
2nd		5.7 (3.5)	6.7 (4.2)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd		11.4 (7.1)	11.0 (6.8)	7.5 (4.7)/11.6 (7.2)	7.5 (4.7)/11.6 (7.2)
Variable travel speed		-	-	-	-
Reverse 1st		4.7 (2.9)	5.0 (3.1)	4.3 (2.7)	4.3 (2.7)
2nd		6.8 (4.2)	8.2 (5.1)	6.8 (4.2)	6.8 (4.2)
3rd L/3rd		13.7 (8.5)	13.9 (8.6)	9.2 (5.7)/14.0 (8.7)	9.2 (5.7)/14.0 (8.7)
Variable travel speed		-	-	-	-
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	5030 (16'6")	4975 (16'4")	5105 (16'9")	5105 (16'9")
Overall length*	mm (ft.in)	8680 (28'6")	8155 (26'9")	8700 (28'7")	8700 (28'7")
Overall width (w/o trunnion)	mm (ft.in)	2765 (9'1")	2695 (8'10")	2765 (9'1")	2765 (9'1")
Overall width (with blade)*	mm (ft.in)	4130 (13'7")	3955 (13'0")	4060 (13'4")	4060 (13'4")
Overall height*	mm (ft.in)	3510 (11'6")	3500 (11'6")	3390 (11'1")	3390 (11'1")
Track gauge	mm (ft.in)	2140 (7'0")	2100 (6'11")	2140 (7'0")	2140 (7'0")
Length of track on ground	mm (ft.in)	3150 (10'4")	3210 (10'6")	3275 (10'9")	3275 (10'9")
ENGINE:		KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model		SAA6D140E-5	SA6D140E-2	SAA6D140E-7	SAA6D140E-7
No. of cylinders-	mm (in)	6-140 × 165	6-140 × 165	6-140 × 165	6-140 × 165
bore × stroke		(5.51 × 6.50)	(5.51 × 6.50)	(5.51 × 6.50)	(5.51 × 6.50)
Piston displacement	ltr. (cu.in)	15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/6	2/7	2/7
Width of standard shoe	mm (in)	560 (22)	560 (22)	560 (22)	610 (22) ⁶
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	625 (165)	500 (132)	625 (165)	625 (165)
*) Spec conditions:				Strengthened	Strengthened dual
Bulldozer		Semi-U tilt	Semi-U tilt	SIGMADOZER	SIGMADOZER
Rear attachment		Giant ripper	Multi-shank ripper	Giant ripper	Giant ripper
Upper attachment		Steel cab, ROPS	Steel cab, ROPS	ROPS cab**	ROPS cab**

**: Integrated cab
***: With C frame for PAT

*4: PLUS spec
*5: To top of KOMTRAX antenna
*6: Extreme service shoe

T3/S3A : EPA Tier 3 and Stage 3A
T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent
T4/S3B : EPA Tier 4 Interim and Stage 3B
T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications

CRAWLER-TYPE TRACTORS

Item	Model	D155AX-8	D155AX-7	D155AX-6	D275A-5R
Source		Japan (for EU)	Japan	Japan	Japan
Emissions		T4F/S4	T4i/S3B	T3/S3A	
OPERATING WEIGHT*	kg (lb)	41700 (81,930)	39500 (87,080)	39500 (87,100)	50850 (112,100)
TRACTOR WEIGHT	kg (lb)	33360 (73,550)	31700 (69,890)	31000 (68,350)	37680 (83,070)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	268 (360)/1900	268 (360)/1900	268 (360)/1900	337 (452)/2000
ISO9249/SAE J1349 Net	kW (HP)/RPM	264 (354)/1900	264 (354)/1900	264 (354)/1900	335 (449)/2000
Hyd. fan at max. speed Net	kW (HP)/RPM	239 (320)/1950	239 (320)/1950	239 (320)/1900	306 (410)/2000
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.5 (2.2)	3.5 (2.2)	3.8 (2.4)	3.6 (2.2)
2nd		5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	6.7 (4.2)
3rd L/3rd		7.5 (4.7)/11.6 (7.2)	7.5(4.7)/11.3 (7.2)	11.6 (7.2)	11.2 (7.0)
Variable travel speed		-	-	-	-
Reverse 1st		4.3 (2.7)	4.3 (2.7)	-	4.7 (2.9)
2nd		6.8 (4.2)	6.8 (4.2)	-	8.7 (5.4)
3rd L/3rd		9.2 (5.7)/14.0 (8.7)	9.2(5.7)/14.0 (8.7)	14.0 (8.7)	14.9 (9.3)
Variable travel speed		-	-	-	-
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	5105 (16'9")	4975 (16'4")	4875 (16'0")	5255 (17'3")
Overall length*	mm (ft.in)	8700 (28'7")	8325 (27'4")	8225 (27')	9290 (30'6")
Overall width (w/o trunnion)	mm (ft.in)	2765 (9'1")	2700 (8'10")	2765 (9'1")	2925 (9'7")
Overall width (with blade)*	mm (ft.in)	4060 (13'4")	4060 (13'4")	4060 (13'4")	4300 (14'1")
Overall height*	mm (ft.in)	3390 (11'1")	3390 (11'1")	3395 (11'2")	4015 (13'2")
Track gauge	mm (ft.in)	2140 (7'0")	2140 (7'0")	2140 (7')	2260 (7'5")
Length of track on ground	mm (ft.in)	3275 (10'9")	2700 (8'10")	3275 (10'9")	3480 (11'5")
ENGINE:					
Model		KOMATSU SAA6D140E-7	KOMATSU SAA6D140E-6	KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5
No. of cylinders- bore x stroke	mm (in)	6-140 x 165 (5.51 x 6.50)	6-140 x 165 (5.51 x 6.50)	6-140 x 165 (5.51 x 6.50)	6-140 x 165 (5.51 x 6.50)
Piston displacement	ltr. (cu.in)	15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/7	2/7	2/7
Width of standard shoe	mm (in)	610 (22) ⁶	560 (22)	560 (22)	610 (24.0)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	625 (165)	625 (165)	625 (165)	840 (222)
*) Spec conditions: Bulldozer Rear attachment Upper attachment		Strengthened dual SIGMADOZER Giant ripper ROPS cab**	Strengthened SIGMADOZER Giant ripper ROPS cab**	Strengthened SIGMADOZER Giant ripper ROPS cab**	Semi-U tilt Giant ripper Steel cab, ROPS

Item	Model	D275A-5D	D275AX-5E0	D375A-8	D375A-6R
Source		Japan (for Russia)	Japan	Japan	Japan
Emissions			T3/S3A	T4F/S4	
OPERATING WEIGHT*	kg (lb)	50840 (112,100)	49850 (109,900)	72840 (160,580)	70235 (154,840)
TRACTOR WEIGHT	kg (lb)	39630 (87,370)	37680 (83,070)	56340 (124,210)	51800 (114,200)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	333 (446)/2000	337 (452)/2000	578 (775)/1800	474 (636)/1800
ISO9249/SAE J1349 Net	kW (HP)/RPM	306 (410)/2000	335 (449)/2000	558 (748)/1800	455 (610)/1800
Hyd. fan at max. speed Net	kW (HP)/RPM	536 (719)/1800	306 (410)/2000	536 (719)/1800	433 (580)/1800
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.8 (2.4)	3.6 (2.2)	3.5 (2.2)	3.5 (2.2)
2nd		6.7 (4.2)	6.7 (4.2)	6.8 (4.2)	6.8 (4.2)
3rd L/3rd		11.2 (7.0)	11.2 (7.0)	8.0 (5.0)/11.8 (7.3)	11.8 (7.3)
Variable travel speed		-	-	-	-
Reverse 1st		4.9 (3.0)	4.7 (2.9)	4.6 (2.9)	4.6 (2.9)
2nd		8.7 (5.4)	8.7 (5.4)	8.9 (5.5)	8.9 (5.5)
3rd L/3rd		14.9 (9.3)	14.9 (9.3)	9.7 (6.0)/15.8 (9.8)	15.8 (9.8)
Variable travel speed		-	-	-	-
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	5255 (17'3")	5255 (17'3")	5975 (19'7")	5905 (19'4")
Overall length*	mm (ft.in)	8905 (29'3")	9260 (30'5")	10560 (34'8")	10515 (34'6")
Overall width (w/o trunnion)	mm (ft.in)	2925 (9'7")	2925 (9'7")	3240 (10'8")	3240 (10'8")
Overall width (with blade)*	mm (ft.in)	4300 (14'1")	4300 (14'1")	4775 (15'8")	4695 (15'5")
Overall height*	mm (ft.in)	3985 (13'1")	4010 (13'2")	4280 (14'1")	4235 (13'11")
Track gauge	mm (ft.in)	2260 (7'5")	2260 (7'5")	2500 (8'2")	2500 (8'2")
Length of track on ground	mm (ft.in)	3480 (11'5")	3480 (11'5")	3980 (12'10")	3840 (12'7")
ENGINE:					
Model		KOMATSU SDA6D140E	KOMATSU SAA6D140E-5	KOMATSU SAA6D170E-7	KOMATSU SAA6D170E-5
No. of cylinders- bore x stroke	mm (in)	6-140 x 165 (6.51 x 6.50)	6-140 x 165 (5.51 x 6.50)	6-170 x 170 (6.69 x 6.69)	6-170 x 170 (6.69 x 6.69)
Piston displacement	ltr. (cu.in)	15.24 (930)	11.04 (674)	23.15 (1413)	23.15 (1413)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/7	2/8	2/7
Width of standard shoe	mm (in)	610 (24)	610 (24.0)	610 (24) ⁶	610 (24.0)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	840 (222)	840 (222)	1200 (317)	1200 (317)
*) Spec conditions: Bulldozer Rear attachment Upper attachment		Semi-U tilt Multi-shank ripper ROPS cab	Semi-U tilt Giant ripper Steel cab, ROPS	Semi-U tilt Giant ripper Steel cab, ROPS	Semi-U tilt Giant ripper Steel cab, ROPS

**: Integrated cab
***: With C frame for PAT

*4: PLUS spec
*5: To top of KOMTRAX antenna
*6: Extreme service shoe

T3/S3A : EPA Tier 3 and Stage 3A
T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent
T4i/S3B : EPA Tier 4 Interim and Stage 3B
T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications

CRAWLER-TYPE TRACTORS

Item	Model	D375A-6	D375A-5D	D475A-5E0	D475ASD-5E0
Source		Japan	Japan (for Russia)	Japan	Japan
Emissions		T3/S3A			
OPERATING WEIGHT*	kg (lb)	71640 (157,940)	67660 (149,160)	108390 (238,960)	113200 (249,560)
TRACTOR WEIGHT	kg (lb)	53200 (117,290)	49450 (109,020)	83590 (184,290)	84510 (186,310)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	474 (636)/1800	426 (572)/1800	671 (899)/2000	671 (899)/2000
ISO9249/SAE J1349 Net	kW (HP)/RPM	455 (610)/1800	391 (525)/1800	644 (890)/2000	664 (890)/2000
Hyd. fan at max. speed Net	kW (HP)/RPM	433 (580)/1800	391 (525)/1800	641 (860)/2000	641 (860)/2000
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.5 (2.2)	3.8 (2.4)	3.3 (2.1)	3.3 (2.1)
2nd		6.8 (4.2)	6.8 (4.2)	6.2 (3.9)	6.2 (3.9)
3rd L/3rd		11.8 (7.3)	11.8 (7.3)	11.2 (7.0)	11.2 (7.0)
Variable travel speed		-	-	-	-
Reverse 1st		4.6 (2.9)	5.9 (3.7)		
2nd		8.9 (5.5)	9.2 (5.7)		
3rd L/3rd		15.8 (9.8)	15.8 (9.8)	14.0 (8.7)	14.0 (8.7)
Variable travel speed		-	-	-	-
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	5905 (19'4")	5770 (18'11")	6680 (21'11")	6680 (21'11")
Overall length*	mm (ft.in)	10485 (34'5")	10750 (35'3")	11565 (37'11")	10525 (34'6")
Overall width (w/o trunnion)	mm (ft.in)	3240 (10'8")	3220 (10'7")	3660 (12')	3610 (11'10")
Overall width (with blade)*	mm (ft.in)	4695 (15'5")	5140 (16'10")	5265 (17'3")	6465 (21'3")
Overall height*	mm (ft.in)	4285 (14'1")	4230 (13'11")	4646 (15'3")	4646 (15'3")
Track gauge	mm (ft.in)	2500 (8'2")	2500 (8'2")	2770 (9'1")	2770 (9'1")
Length of track on ground	mm (ft.in)	3980 (13'1")	3840 (12'7")	4524 (14'10")	4524 (14'10")
ENGINE:					
Model		KOMATSU SAA6D170E-5	KOMATSU SA6D170E-2	KOMATSU SAA12V140E-3	KOMATSU SAA12V140E-5
No. of cylinders- bore × stroke	mm (in)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	12-140 × 165 (5.51 × 6.50)	12-140 × 165 (5.51 × 6.50)
Piston displacement	ltr. (cu.in)	23.15 (1413)	23.15 (1413)	30.48 (1860)	
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/8	2/7	2/8	2/8
Width of standard shoe	mm (in)	610 (24.0)	610 (24) ⁶	710 (28.0)	810 (32.0)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	1200 (317)	1050 (277)	1670 (441)	1670 (441)
*) Spec conditions:					
Bulldozer		Semi-U tilt	U-dozer	Semi-U tilt	Super dozer
Rear attachment		Giant ripper	Giant ripper	Giant ripper	Counterweight
Upper attachment		Steel cab, ROPS	Steel cab, ROPS	Steel cab, ROPS	Steel cab, ROPS

Item	Model	D575A-3	D575ASD-3		
Source		Japan	Japan		
Emissions					
OPERATING WEIGHT*	kg (lb)	131350 (289,570)	152600 (336,420)		
TRACTOR WEIGHT	kg (lb)	98450 (217,040)	114580 (252,600)		
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM				
ISO9249/SAE J1349 Net	kW (HP)/RPM				
Hyd. fan at max. speed Net	kW (HP)/RPM	783 (1050)/1800	858 (1150)/1800		
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.7 (2.3)	3.7 (2.3)		
2nd		6.6 (4.1)	6.6 (4.1)		
3rd L/3rd		11.6 (7.2)	11.6 (7.2)		
Variable travel speed		-	-		
Reverse 1st		4.3 (2.7)	4.3 (2.7)		
2nd		7.7 (4.8)	7.7 (4.8)		
3rd L/3rd		13.3 (8.3)	13.3 (8.3)		
Variable travel speed		-	-		
Max. drawbar pull	kg (lb/kN)	-	-		
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	7270 (23'10")	7695 (25'3")		
Overall length*	mm (ft.in)	12095 (39'8")	11720 (38'5")		
Overall width (w/o trunnion)	mm (ft.in)	4180 (13'9")	4180 (13'9")		
Overall width (with blade)*	mm (ft.in)	5880 (19'3")	7400 (24'3")		
Overall height*	mm (ft.in)	4880 (16'0")	4880 (16'0")		
Track gauge	mm (ft.in)	3220 (10'7")	3220 (10'7")		
Length of track on ground	mm (ft.in)	4530 (14'10")	5485 (18')		
ENGINE:					
Model		KOMATSU SA12V170	KOMATSU SA12V170		
No. of cylinders- bore × stroke	mm (in)	12-170 × 170 (6.69 × 6.69)	12-170 × 170 (6.69 × 6.69)		
Piston displacement	ltr. (cu.in)	46.3 (2825)	46.3 (2825)		
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/6	2/8		
Width of standard shoe	mm (in)	860 (34.0)	860 (33.9)		
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	2100 (555)	2100 (555)		
*) Spec conditions:					
Bulldozer		Semi-U dozer	Super dozer		
Rear attachment		Giant ripper	Counterweight		
Upper attachment		Steel cab, ROPS	Steel cab, ROPS		

** : Integrated cab
*** : With C frame for PAT

*4 : PLUS spec
*5 : To top of KOMTRAX antenna
*6 : Extreme service shoe

T3/S3A : EPA Tier 3 and Stage 3A
T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent
T4/S3B : EPA Tier 4 Interim and Stage 3B
T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications (Low Ground Pressure Tractors)

CRAWLER-TYPE TRACTORS

Item		Model	D21P-8E0	D31PX-22	D37PX-24	D37PX-23
Source			Japan	Japan	Japan	Japan
Emissions			T3/S3A	T3/S3A	T4F/S4	T4i/S3B
OPERATING WEIGHT*		kg (lb)	4100 (9,040)	8130 (17,930)	9300 (20,500)	8860 (19,530)
TRACTOR WEIGHT		kg (lb)	3520 (7,760)	6910 (15,240)	8170 (18,010)	7740 (17,060)
HORSEPOWER SAE J1995 Gross		kW (HP)/RPM		60 (80)/2200	67.7 (90.7)/2200	67.7 (90.7)/2200
ISO9249/SAE J1349 Net		kW (HP)/RPM	32.4 (43.4)/2450	58 (78)/2200	66.1 (88.6)/2200	66.1 (88.6)/2200
Hyd. fan at max. speed Net		kW (HP)/RPM		53 (71)/2200	62.3 (83.5)/2200	62.3 (83.5)/2200
PERFORMANCE:						
Travel speed	Forward	1st	2.6 (1.6)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
		2nd	4.4 (2.7)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
	3rd L/3rd		-	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)
		Variable travel speed	-	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)
	Reverse	1st	3.3 (2.1)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
		2nd	5.6 (3.5)	6.5 (4.0)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd		-	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)	
	Variable travel speed	-	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)	
Max. drawbar pull		kg (lb/kN)	4480 (9,880/43.9)	15300 (33,730/150)	15300 (33,730/150)	15300 (33,730/150)
DIMENSIONS:						
Overall length (tractor)		mm (ft.in)	2430 (8'0")	3220 (10'7")	3340 (10'11")	3270 (10'9")
Overall length*		mm (ft.in)	3260 (10'8")	4155 (13'8")	4275 (14'0")	4275 (14'0")
Overall width (w/o trunnion)		mm (ft.in)	2000 (6'7")	2250 (7'5")	2310 (7'7")	2310 (7'7")
Overall width (with blade)*		mm (ft.in)	2560 (8'5")	3250 (10'8")	3200 (10'6")	3200 (10'6")
Overall height*		mm (ft.in)	2335 (7'8")	2775 (9'1")	2785 (9'1") ⁵	2775 (9'1")
Track gauge		mm (ft.in)	1490 (4'11")	1650 (5'5")	1710 (5'7")	1710 (5'7")
Length of track on ground		mm (ft.in)	1685 (5'6")	2185 (7'2")	2230 (7'4")	2230 (7'4")
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			4D94LE-2	SAA4D95LE-5	SAA4D95LE-7	SAA4D95LE-6
No. of cylinders-		mm (in)	4-94 × 110	4-95 × 115	4-95 × 115	4-95 × 115
bore × stroke			(3.70 × 4.33)	(3.74 × 4.53)	(3.74 × 4.53)	(3.74 × 4.53)
Piston displacement		ltr. (cu.in)	3.053 (186)	3.26 (199)	3.26 (199)	3.26 (199)
UNDERCARRIAGE:						
No. of rollers (carrier/track)			1/5	1/6	1/6	1/6
Width of standard shoe		mm (in)	510 (20.1)	600 (23.6)	600 (23.6) ⁴	600 (23.6)
FUEL TANK CAPACITY (Refilled):		ltr. (U.S.Gal)	60 (15.9)	195 (51.5)	190 (50.2)	190 (50.2)
*) Spec conditions:						
Bulldozer			PAT	PAT	PAT	PAT
Rear attachment			-	-	-	-
Upper attachment			-	ROPS canopy	ROPS cab**	ROPS cab

Item		Model	D37PX-22	D39PX-24	D39PX-23	D39PX-22
Source			Japan	Japan	Japan	Japan
Emissions			T3/S3A	T4F/S4	T4i/S3B	T3/S3A
OPERATING WEIGHT*		kg (lb)	8240 (18,170)	10370 (22,860)	9690 (21,360)	9480 (20,900)
TRACTOR WEIGHT		kg (lb)	6990 (15,410)	9140 (20,150)	8530 (18,810)	8160 (17,990)
HORSEPOWER SAE J1995 Gross		kW (HP)/RPM	68 (91)/2200	80 (107)/2200	80 (107)/2200	79.9 (107)/2200
ISO9249/SAE J1349 Net		kW (HP)/RPM	66 (89)/2200	78.4 (105)/2200	78.4 (105)/2200	79 (105)/2200
Hyd. fan at max. speed Net		kW (HP)/RPM	59 (79)/2200	72.9 (97.7)/2200	72.9 (97.7)/2200	71 (95)/2200
PERFORMANCE:						
Travel speed	Forward	1st	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
		2nd	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
	3rd L/3rd		8.5 (5.3)	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)
		Variable travel speed	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)
	Reverse	1st	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
		2nd	6.5 (4.0)	6.5 (4.0)	6.5 (4.0)	6.5 (4.1)
3rd L/3rd		8.5 (5.3)	8.5 (5.3)	8.5 (5.3)	8.5 (5.3)	
	Variable travel speed	15300	0 to 8.5 (5.3)	0 to 8.5 (5.3)	0 to 8.5 (5.3)	
Max. drawbar pull		kg (lb/kN)	0 to 8.5 (5.3) (33,730/150)	14800 (32,630/145)	14800 (32,630/145)	14500 (32,630/145)
DIMENSIONS:						
Overall length (tractor)		mm (ft.in)	3055 (10'2")	3340 (11'0")	3345 (11'0")	3295 (10'10")
Overall length*		mm (ft.in)	4175 (13'8")	4385 (14'5")	4385 (14'5")	4335 (14'3")
Overall width (w/o trunnion)		mm (ft.in)	2250 (7'5")	2445 (8'0")	2445 (8'0")	2425 (7'11")
Overall width (with blade)*		mm (ft.in)	3250 (10'8")	3250 (10'8")	3250 (10'8")	3250 (10'8")
Overall height*		mm (ft.in)	2775 (9'1")	2850 (9'4") ⁵	2845 (9'4")	2825 (9'3")
Track gauge		mm (ft.in)	1650 (5'5")	1810 (5'11")	1810 (5'11")	1790 (5'10")
Length of track on ground		mm (ft.in)	2240 (7'4")	2345 (7'8")	2360 (7'9")	2360 (7'9")
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA4D95LE-5	SAA4D95LE-7	SAA4D95LE-6	SAA4D107E-1
No. of cylinders-		mm (in)	4-95 × 115	4-95 × 115	4-95 × 115	4-107 × 124
bore × stroke			(3.74 × 4.53)	(3.74 × 4.53)	(3.74 × 4.53)	(4.21 × 4.88)
Piston displacement		ltr. (cu.in)	3.26 (199)	3.26 (199)	3.26 (199)	4.46 (272)
UNDERCARRIAGE:						
No. of rollers (carrier/track)			1/6	1/6	1/6	1/6
Width of standard shoe		mm (in)	600 (23.6)	635 (25) ⁴	635 (25)	635 (25.0)
FUEL TANK CAPACITY (Refilled):		ltr. (U.S.Gal)	195 (51.5)	190 (50.2)	190 (50.2)	195 (51.5)
*) Spec conditions:						
Bulldozer			PAT	PAT	PAT	PAT
Rear attachment			-	-	-	-
Upper attachment			ROPS canopy	ROPS cab**	ROPS cab**	ROPS canopy

** : Integrated cab

*** : With C frame for PAT

*4 : PLUS spec.

*5 : To top of KOMTRAX antenna

T3/S3A : EPA Tier 3 and Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and Stage 3B

T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications (Low Ground Pressure Tractors)

CRAWLER-TYPE TRACTORS

Item	Model	D51PX-24	D51PX-24	D51PX-22	D61PX-24
Source		Japan	Brazil	Brazil	Japan
Emissions		T4F/S4	T4F/S4	T3/S3A	T4F/S4
OPERATING WEIGHT*	kg (lb)	14110 (31,110)	14260 (31,440)	13220 (29,150)	19460 (42,900)
TRACTOR WEIGHT	kg (lb)	12400 (27,340)	12550 (27,6700)	11620 (25,620)	18320 (40,390)***
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	99 (133)/2200	99 (133)/2200	99 (133)/2200	127 (170)/2200
ISO9249/SAE J1349 Net	kW (HP)/RPM	98 (131)/2200	98 (131)/2200	97 (130)/2200	125 (168)/2200
Hyd. fan at max. speed Net	kW (HP)/RPM	91 (122)/2200	91 (122)/2200	90 (120)/2200	113 (152)/2200
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)
2nd		5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.6 (3.5)
3rd L/3rd		9.0 (5.6)	9.0 (5.6)	9.0 (5.6)	9.0 (5.6)
Variable travel speed		0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Reverse 1st		3.4 (2.1)	3.4 (2.1)	4.1 (2.5)	4.1 (2.5)
2nd		5.6 (3.5)	5.6 (3.5)	6.5 (4.0)	6.5 (4.0)
3rd L/3rd		9.0 (5.6)	9.0 (5.6)	9.0 (5.6)	9.0 (5.6)
Variable travel speed		0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)	0 to 9.0 (5.6)
Max. drawbar pull	kg (lb/kN)	22123 (48,770/217)	22123 (48,770/217)	22123 (48,770/217)	28100 (61,950/275)
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	3660 (12'0")	3660 (12'0")	3665 (12'0")	4165 (13'8")
Overall length*	mm (ft.in)	4850 (15'11")	4850 (15'11")	4800 (15'8")	5480 (18'0")
Overall width (w/o trunnion)	mm (ft.in)	2590 (8'6")	2590 (8'6")	2590 (8'6")	2990 (9'10")
Overall width (with blade)*	mm (ft.in)	3350 (11'0")	3350 (11'0")	3350 (11'0")	3860 (12'8")
Overall height*	mm (ft.in)	3015 (9'11") ⁵	3015 (9'11") ⁵	3180 (10'5")	3180 (10'5") ⁵
Track gauge	mm (ft.in)	1880 (6'2")	1880 (6'2")	1880 (6'2")	2130 (7'0")
Length of track on ground	mm (ft.in)	2745 (9'0")	2745 (9'0")	2736 (9'0")	3165 (10'5")
ENGINE:					
Model		KOMATSU SAA4D107E-3	KOMATSU SAA4D107E-3	KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-3
No. of cylinders- bore x stroke	mm (in)	4-107 x 124 (4.21 x 4.88)	4-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)
Piston displacement	ltr. (cu.in)	4.46 (272)	4.46 (272)	6.69 (408)	6.69 (408)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/7	2/7	2/7	2/8
Width of standard shoe	mm (in)	710 (22) ⁴	710 (22) ⁴	710 (28)	860 (34)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	270 (71.3)	270 (71.3)	270 (71.3)	372 (81.8)
*) Spec conditions:					
Bulldozer		PAT	PAT	PAT	PAT
Rear attachment		-	-	-	-
Upper attachment		ROPS cab**	ROPS cab**	ROPS cab**	ROPS cab**

Item	Model	D61PX-24	D61PX-23	D65P-12	D65PX-18
Source		Brazil	Japan	Japan	Japan
Emissions		T4F/S4	T4i/S3B		T4F/S4
OPERATING WEIGHT*	kg (lb)	19460 (42,900)	17700 (29,020)	20185 (44,500)	22010 (48,520)
TRACTOR WEIGHT	kg (lb)	18320 (40,390)***	15530 (34,240)	16940 (37,350)	19860 (43,780)
HORSEPOWER SAE J1995 Gross	kW (HP)/RPM	127 (170)/2200	127 (170)/2200		164 (220)/1950
ISO9249/SAE J1349 Net	kW (HP)/RPM	125 (168)/2200	125 (168)/2200		162 (217)/1950
Hyd. fan at max. speed Net	kW (HP)/RPM	113 (152)/2200	113 (152)/2200	142 (190)/1950	144 (193)/1950
PERFORMANCE:					
Travel speed Forward 1st	km/h (MPH)	3.4 (2.1)	3.4 (2.1)	3.9 (2.4)	3.6 (2.2)
2nd		5.6 (3.5)	5.6 (3.5)	6.8 (4.2)	5.6 (3.5)
3rd L/3rd		9.0 (5.6)	8.5 (5.3)	10.6 (6.6)	7.3 (4.5)/11.3 (7.0)
Variable travel speed		0 to 9.0 (5.6)	0 to 9.0 (5.6)	-	-
Reverse 1st		4.1 (2.5)	4.1 (2.5)	5.0 (3.1)	4.5 (2.8)
2nd		6.5 (4.0)	6.5 (4.0)	8.6 (5.3)	6.7 (4.2)
3rd L/3rd		9.0 (5.6)	9.0 (5.6)	13.4 (8.3)	8.7 (5.4)/13.6 (8.5)
Variable travel speed		0 to 9.0 (5.6)	0 to 9.0 (5.6)	-	-
Max. drawbar pull	kg (lb/kN)	28100 (61,950/275)	28100 (61,950/275.6)	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	4165 (13'8")	4165 (13'8")	4425 (14'6")	4580 (15'0")
Overall length*	mm (ft.in)	5480 (18'0")	5480 (18'0")	5520 (18'1")	5680 (18'8")
Overall width (w/o trunnion)	mm (ft.in)	2990 (9'10")	2990 (9'10")	2965 (9'9")	2965 (9'9")
Overall width (with blade)*	mm (ft.in)	3860 (12'8")	3860 (12'8")	3970 (13'0")	3970 (13'0")
Overall height*	mm (ft.in)	3180 (10'5") ⁵	3180 (10'5")	3165 (10'5")	3155 (10'4")
Track gauge	mm (ft.in)	2130 (7'0")	2130 (7'0")	2050 (6'9")	2050 (6'9")
Length of track on ground	mm (ft.in)	3165 (10'5")	3165 (10'5")	3285 (10'9")	3285 (10'9")
ENGINE:					
Model		KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-2	KOMATSU S6D125E	KOMATSU SAA6D114E-6
No. of cylinders- bore x stroke	mm (in)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-125 x 150 (4.92 x 5.91)	6-114 x 144.5 (4.49 x 5.69)
Piston displacement	ltr. (cu.in)	6.69 (408)	6.69 (408)	11.04 (674)	8.85 (540)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/8	2/8	2/8	2/8
Width of standard shoe	mm (in)	860 (34)	860 (34)	915 (36.0)	915 (36)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	372 (81.8)	372 (81.8)	406 (107.3)	415 (109.6)
*) Spec conditions:					
Bulldozer		PAT	PAT	Straight tilt	Straight tilt
Rear attachment		-	-	-	-
Upper attachment		ROPS cab**	ROPS cab**	Steel cab, ROPS	ROPS cab**

** : Integrated cab

*** : With C frame for PAT

*4 : PLUS spec.

*5 : To top of KOMTRAX antenna

T3/S3A : EPA Tier 3 and Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and Stage 3B

T4F/S4 : EPA Tier 4 Final and Stage 4

Specifications (Low Ground Pressure Tractors)

CRAWLER-TYPE TRACTORS

Item	Model	D65PX-18	D65PX-17	D65PX-17	D65PX-16
Source		Japan	Japan	Japan	Japan
Emissions		T4F/S4	T4i/S3B	T4i/S3B	T3/S3A
OPERATING WEIGHT*	kg (lb)	22640 (49,910)	21160 (46,650)	22030 (48,570)	20990 (46,270)
TRACTOR WEIGHT	kg (lb)	19600 (43,210)	19060 (42,020)	19040 (41,980)	18890 (41,640)
HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM	164 (220)/1950	155 (207)/1950	155 (207)/1950	155 (207)/1950
	kW (HP)/RPM	162 (217)/1950	153 (205)/1950	153 (205)/1950	153 (205)/1950
	kW (HP)/RPM	144 (193)/1950	139 (186)/1950	139 (186)/1950	139 (186)/1950
PERFORMANCE:					
Travel speed Forward 1st 2nd 3rd L/3rd Variable travel speed Reverse 1st 2nd 3rd L/3rd Variable travel speed	km/h (MPH)	3.6 (2.2)	3.6 (2.2)	3.6 (2.2)	3.6 (2.2)
		5.6 (3.5)	5.6 (3.5)	5.6 (3.5)	5.5 (3.4)
		7.3 (4.5)/11.3 (7.0)	7.3(4.5)/11.3 (7.0)	7.3(4.5)/11.3 (7.0)	11.2 (7.0)
		-	-	-	-
		4.5 (2.8)	4.5 (2.8)	4.5 (2.8)	4.4 (2.7)
6.7 (4.2)	6.7 (4.2)	6.7 (4.2)	6.6 (4.1)		
8.7 (5.4)/13.6 (8.5)	8.7(5.4)/13.6 (8.5)	8.7(5.4)/13.6 (8.5)	13.4 (8.3)		
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	5130 (16'10")	4505 (14'9")	5130 (16'10")	4505 (14'9")
Overall length*	mm (ft.in)	6340 (20'10")	5680 (18'8")	6415 (21'1")	5680 (18'8")
Overall width (w/o trunnion)	mm (ft.in)	2990 (9'10")	2965 (9'9")	2990 (9'10")	2965 (9'8")
Overall width (with blade)*	mm (ft.in)	4010 (13'2")	3970 (13'0")	4010 (13'2")	3970 (13' 0")
Overall height*	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3155 (10'4")
Track gauge	mm (ft.in)	2230 (6'9")	2050 (6'9")	2230 (7'4")	2050 (6' 9")
Length of track on ground	mm (ft.in)	3285 (10'9")	3285 (10'9")	2980 (9'9")	3285 (10'9")
ENGINE:					
Model		KOMATSU SAA6D114E-6	KOMATSU SAA6D114E-5	KOMATSU SAA6D114E-5	KOMATSU SAA6D114E-3
No. of cylinders- bore x stroke	mm (in)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 144.5 (4.49 x 5.69)	6-114 x 135 (4.49 x 5.31)
Piston displacement	ltr. (cu.in)	8.85 (540)	8.85 (540)	8.85 (540)	8.27 (505)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/8	2/8	2/8	2/8
Width of standard shoe	mm (in)	760 (30)	915 (36)	760 (30)	915 (36)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	415 (109.6)	415 (109.6)	415 (109.6)	415 (109.6)
*) Spec conditions:					
Bulldozer		PAT	Straight tilt	PAT	Straight tilt
Rear attachment					
Upper attachment		ROPS cab**	ROPS cab**	ROPS cab**	ROPS cab**

Item	Model	D65PX-16	D85PX-18	D85PX-15E0	D85PX-15R
Source		Japan	Japan	Japan	Japan
Emissions		T3/S3A	T4F/S4	T3/S3A	
OPERATING WEIGHT*	kg (lb)	21860 (48,190)	28770 (63,430)	27650 (60,960)	27550 (60,740)
TRACTOR WEIGHT	kg (lb)	18870 (41,600)	25630 (56,500)	23500 (51,810)	23400 (51,590)
HORSEPOWER SAE J1995 Gross ISO9249/SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM	155 (207)/1950	199 (267)/1900	199 (266)/1900	
	kW (HP)/RPM	153 (205)/1950	197 (264)/1900	197 (264)/1900	179 (240)/1900
	kW (HP)/RPM	139 (186)/1950	179 (240)/1900	179 (240)/1900	
PERFORMANCE:					
Travel speed Forward 1st 2nd 3rd L/3rd Variable travel speed Reverse 1st 2nd 3rd L/3rd Variable travel speed	km/h (MPH)	3.6 (2.2)	3.3 (2.1)	3.3 (2.1)	3.6 (2.2)
		5.5 (3.4)	6.1 (3.8)	6.0 (3.7)	6.0 (3.7)
		11.2 (7.0)	7.8 (4.8)/10.1 (6.3)	10.0 (6.2)	10.0 (6.2)
		-	-	-	-
		4.4 (2.7)	4.4 (2.7)	-	4.7 (2.9)
6.6 (4.1)	8.0 (5.0)	-	7.9 (4.9)		
13.4 (8.3)	9.2 (5.7)/13.0 (8.1)	12.7 (7.9)	12.7 (7.9)		
Max. drawbar pull	kg (lb/kN)	-	-	-	-
DIMENSIONS:					
Overall length (tractor)	mm (ft.in)	5130 (16'10")	4885 (14'9")	4720 (15'6")	4720 (15'6")
Overall length*	mm (ft.in)	6415 (21'1")	6025 (19'9")	6065 (19'11")	6065 (19'11")
Overall width (w/o trunnion)	mm (ft.in)	2990 (9'10")	3160 (10'4")	3160 (10'4")	3160 (10'4")
Overall width (with blade)*	mm (ft.in)	2990 (9'10")	4355 (14'4")	4365 (14'4")	4365 (14'4")
Overall height*	mm (ft.in)	3155 (10'4")	3320 (10'11")	3330 (10'11")	3324 (10'11")
Track gauge	mm (ft.in)	2230 (7' 4")	2250 (7'5")	2250 (7'5")	2250 (7'5")
Length of track on ground	mm (ft.in)	3285 (10'9")	3480 (11'5")	3480 (11'5")	3480 (11'5")
ENGINE:					
Model		KOMATSU SAA6D114E-3	KOMATSU SAA6D125E-7	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5
No. of cylinders- bore x stroke	mm (in)	6-114 x 135 (4.49 x 5.31)	6-125 x 150 (4.92 x 5.91)	6-125 x 150 (4.92 x 5.91)	6-125 x 150 (4.9 x 5.9)
Piston displacement	ltr. (cu.in)	8.27 (505)	11.04 (674)	11.04 (674)	11.04 (674)
UNDERCARRIAGE:					
No. of rollers (carrier/track)		2/8	2/8	2/8	2/8
Width of standard shoe	mm (in)	760 (30)	910 (36)	910 (36)	910 (36)
FUEL TANK CAPACITY (Refilled):	ltr. (U.S.Gal)	415 (109.6)	470 (124.2)	490 (129)	490 (129)
*) Spec conditions:					
Bulldozer		PAT	Straight tilt	Straight tilt	Straight tilt
Rear attachment		-	Long drawbar	-	-
Upper attachment		ROPS cab**	ROPS cab**	Steel cab, ROPS	Steel cab, ROPS

** : Integrated cab

*** : With C frame for PAT

*4 : PLUS spec.

*5 : To top of KOMTRAX antenna

T3/S3A : EPA Tier 3 and Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent

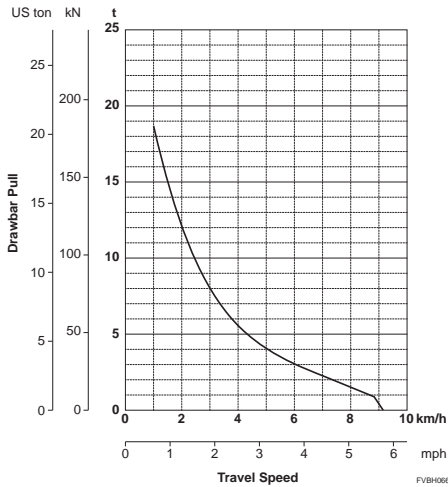
T4i/S3B : EPA Tier 4 Interim and Stage 3B

T4F/S4 : EPA Tier 4 Final and Stage 4

Drawbar Pull vs. Travel Speed

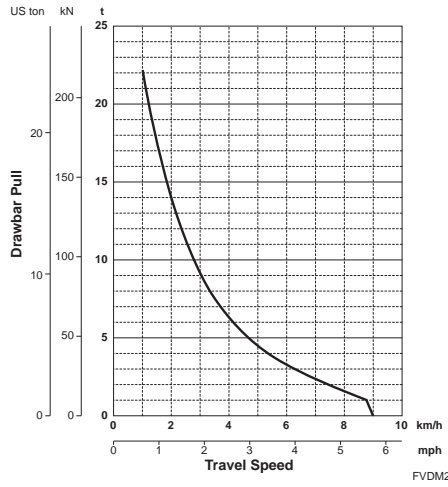
CRAWLER-TYPE TRACTORS

D51EX-24



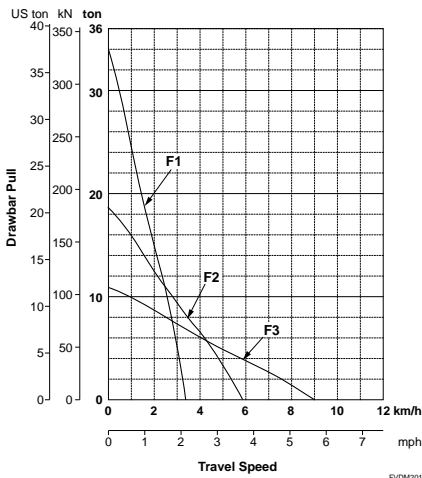
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D61EX-24, D61EX-23



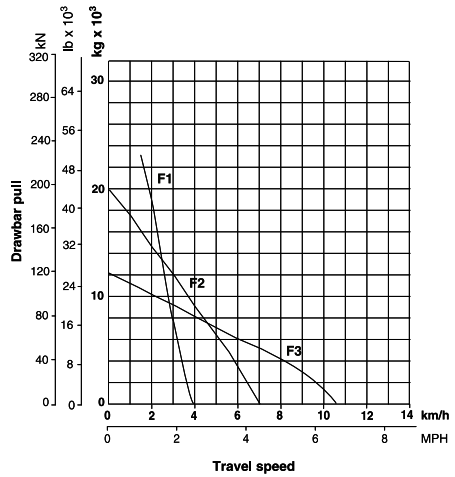
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D63E-12

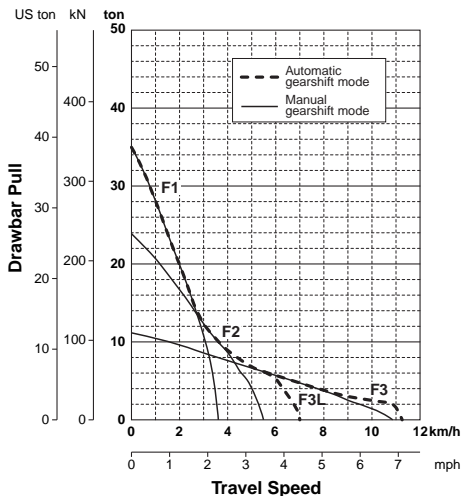


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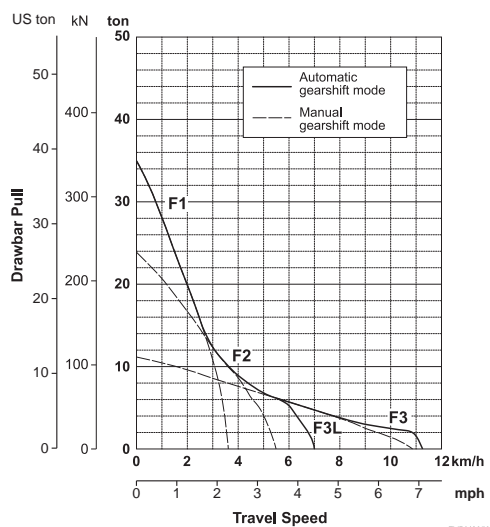
D65E-12



D65EX-16, D65WX-16



**D65EX-18, D65WX-18
D65EX-17, D65WX-17**



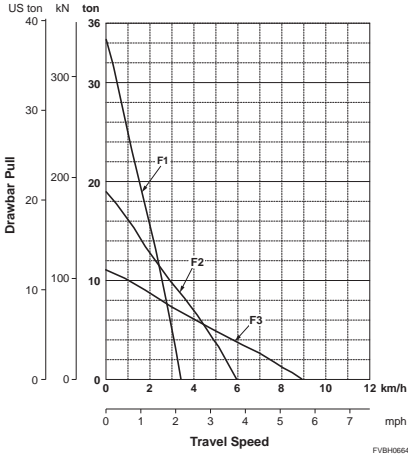
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NOTE: The drawbar pull and travel speed may be subject to change depending on the ground conditions and machine weight.

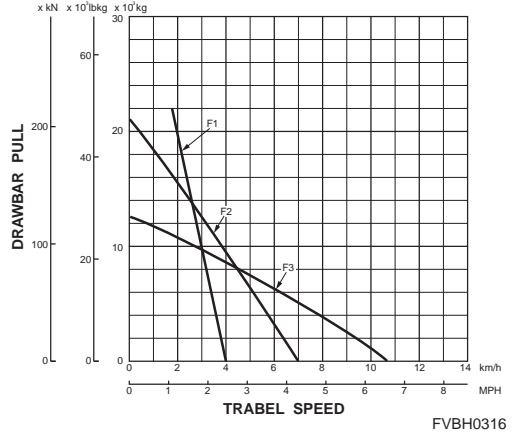
Drawbar Pull vs. Travel Speed

CRAWLER-TYPE TRACTORS

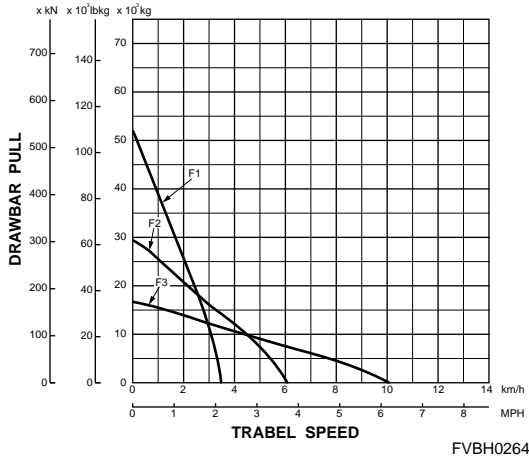
D68ESS-12E0



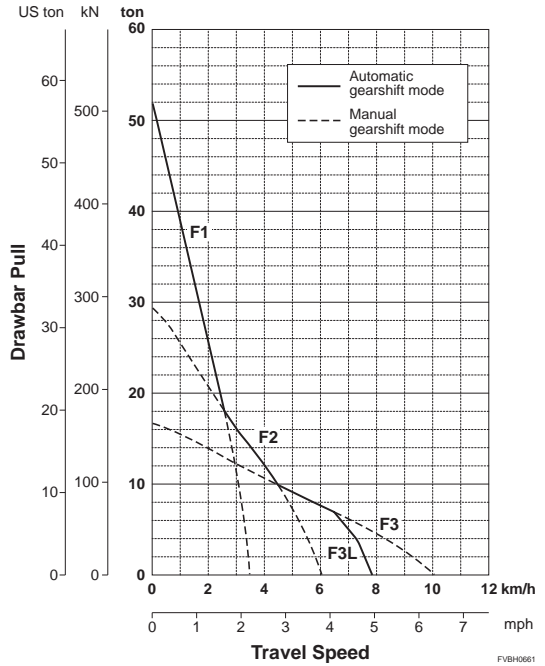
D85ESS-2, D85ESS-2A



**D85EX-15E0
D85EX-15R**



D85EX-18

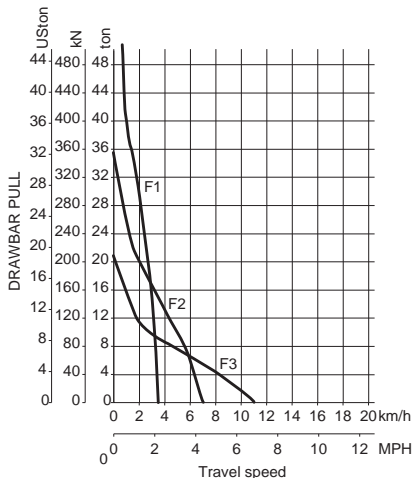


NOTE: The drawbar pull and travel speed may be subject to change depending on the ground conditions and machine weight.

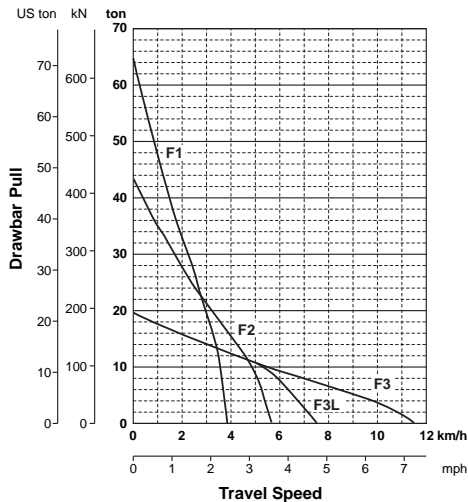
Drawbar Pull vs. Travel Speed

CRAWLER-TYPE TRACTORS

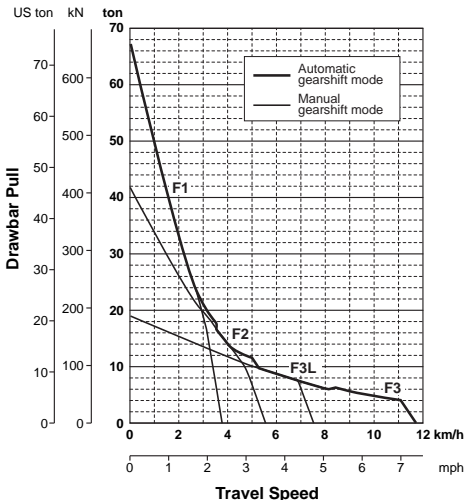
D155A-5



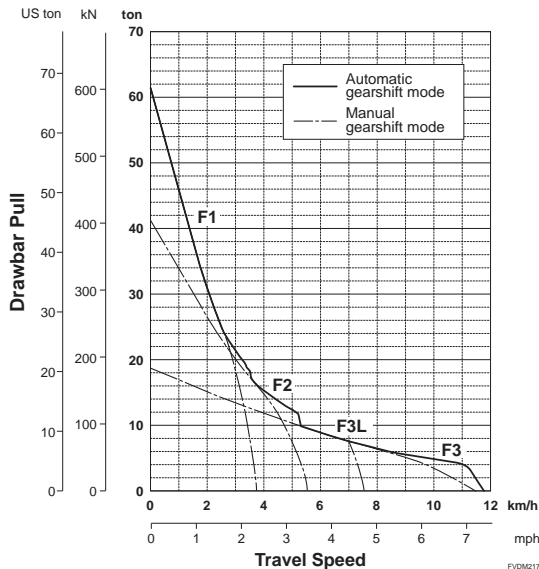
D155A-6



D155AX-6



D155AX-8, D155AX-7

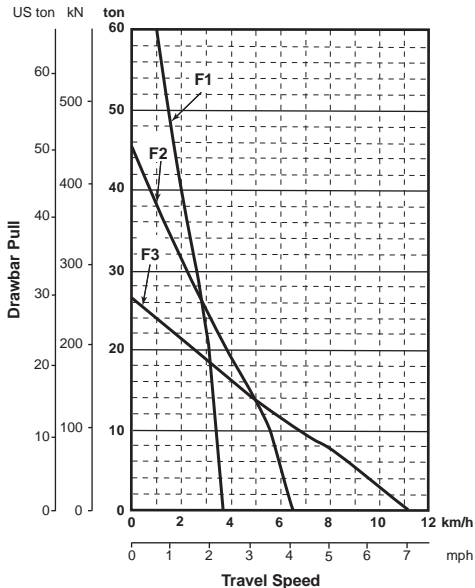


NOTE: The drawbar pull and travel speed may be subject to change depending on the ground conditions and machine weight.

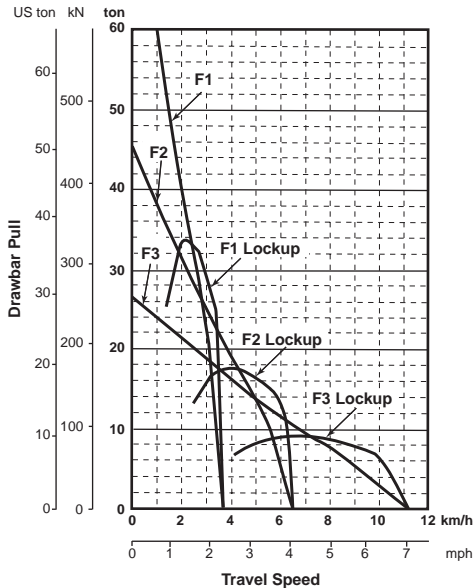
Drawbar Pull vs. Travel Speed

CRAWLER-TYPE TRACTORS

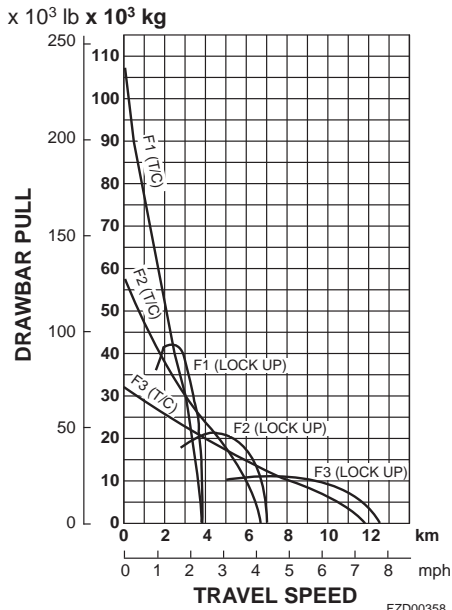
D275A-5, D275A-5R



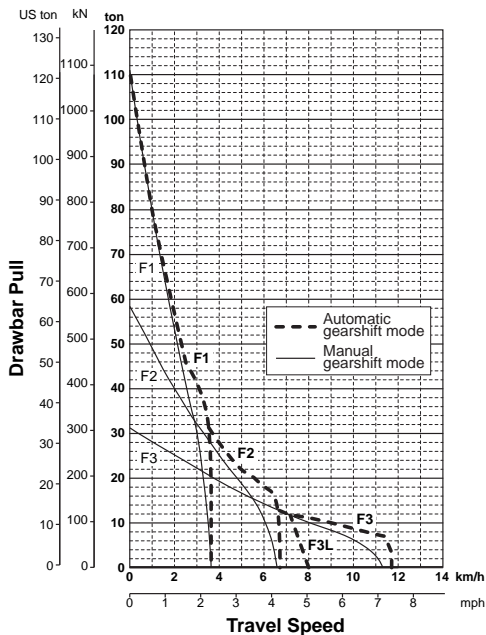
D275AX-5E0



D375A-5, D375A-5R
D375A-5D



D375A-6

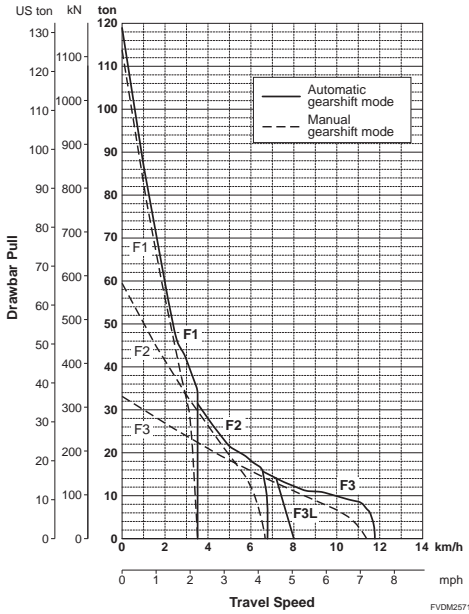


NOTE: The drawbar pull and travel speed may be subject to change depending on the ground conditions and machine weight.

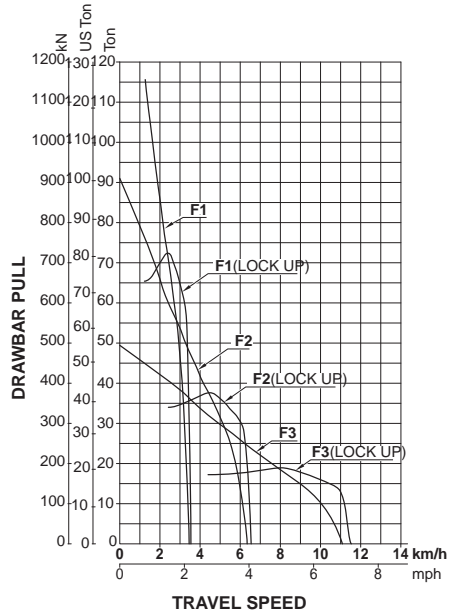
Drawbar Pull vs. Travel Speed

CRAWLER-TYPE TRACTORS

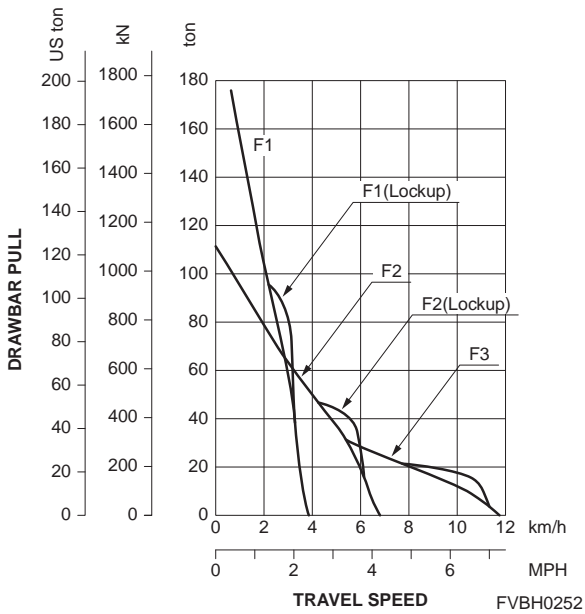
D375A-8



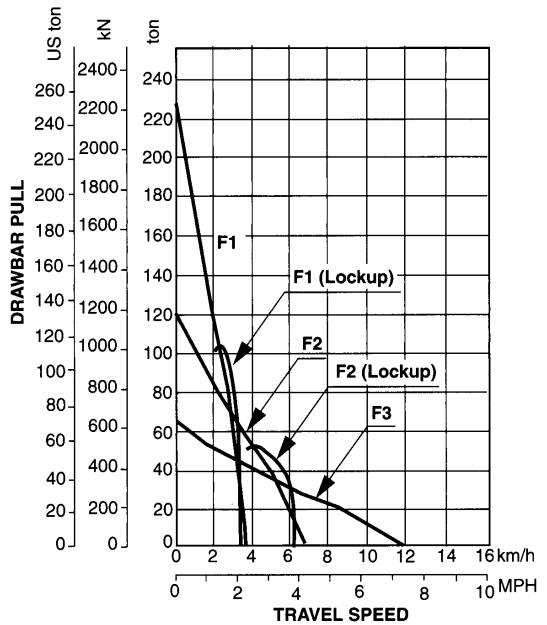
D475A-5E0, D475ASD-5E0



D575A-3



D575ASD-3

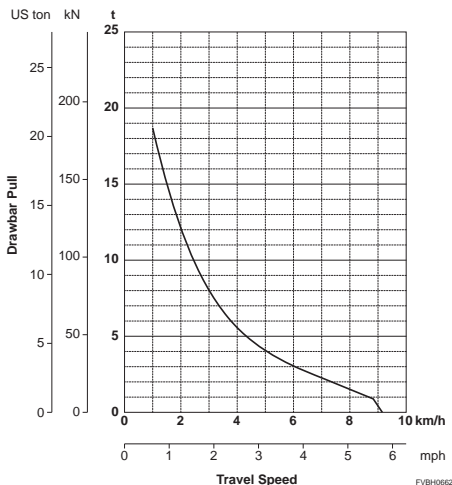


NOTE: The drawbar pull and travel speed may be subject to change depending on the ground conditions and machine weight.

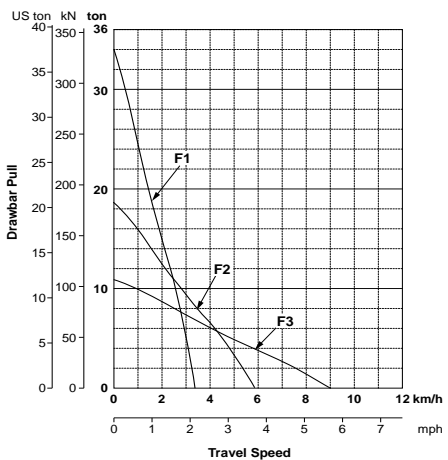
Drawbar Pull vs. Travel Speed

CRAWLER-TYPE TRACTORS

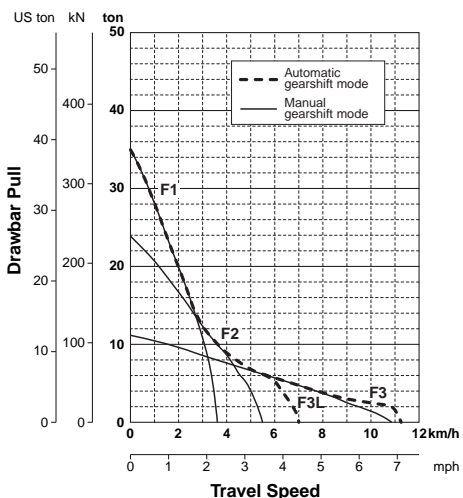
D51PX-24



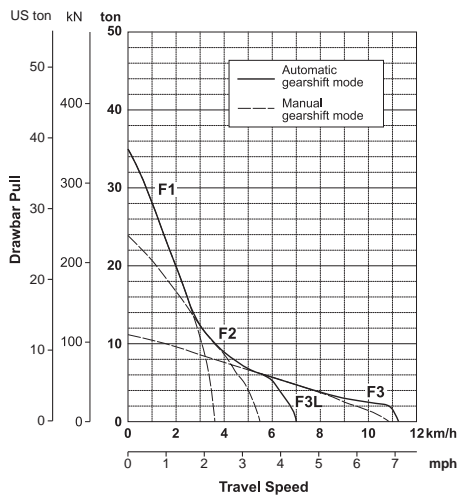
D61PX-24, D61PX-23



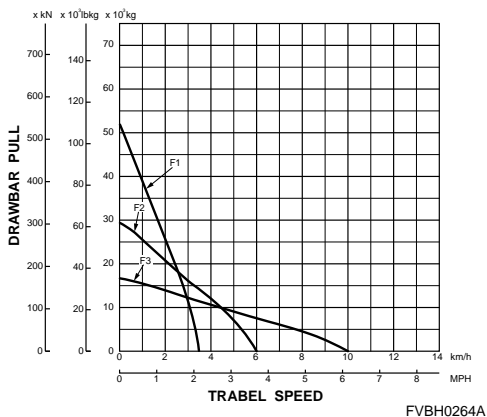
D65PX-16



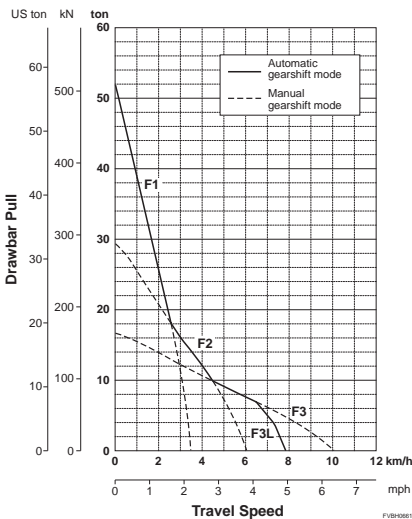
D65PX-18, D65PX-17



D85PX-15E0, D85PX-15R



D85PX-18



NOTE: The drawbar pull and travel speed may be subject to change depending on the ground conditions and machine weight.

Definition: Ground pressure = tractor machine operating weight / total ground contact area where;
total ground contact area = length of track on ground × shoe width × 2.

Single grouser shoe

Model	Shoe width mm (in)	Ground contact area cm ² (in ²)	Ground pressure kg/cm ² (PSI/kPa)	Change in operating weight kg (lb)	Application**
D21A-8E0	300 (12)*	10110 (1,570)	0.31 (4.41/30.4)	±0	B
	340 (13.4)	11460 (1,780)	0.28 (3.98/27.5)	+32 (71)	B
D21P-8E0	510 (20)*	17190 (2,664)	0.20 (2.84/19.6)	±0	C
D31EX-22	400 (15.7)*	17500 (2,713)	0.37 (5.26/36.3)	±0	B
D31PX-22	600 (23.6)*	26200 (4,061)	0.26 (3.70/25.5)	±0	C
D37EX-24	400 (15.7)*	17840 (2,765)	0.45 (6.33/43.6)	±0	B
	460 (18)	20520 (3,181)	0.39 (5.55/38.2)	+80 (176)	B
D37PX-24	600 (23.6)*	26760 (4,150)	0.31 (4.34/29.9)	±0	C
D37EX-23	400 (15.7)*	17900 (2,775)	0.41 (5.83/40.2)	±0	B
	460 (18)	20610 (3195)	0.36 (5.12/35.3)	+80 (176)	B
D37PX-23	600 (23.6)*	26900 (4,170)	0.28 (3.98/27.5)	±0	C
D37EX-22	400 (15.7)*	21710 (3,365)	0.36 (5.12/35.3)	±0	B
D37PX-22	600 (23.6)*	24070 (3,731)	0.33 (4.69/32.4)	+90 (198)	C
D39EX-24	460 (18)*	21570 (3,343)	0.41 (5.79/40.0)	±0	B
	510 (20)	23910 (3,706)	0.37 (5.28/36.4)	+90 (198)	B
D39PX-24	635 (25)*	29780 (4,616)	0.31 (4.36/30.1)	±0	B
	700 (27.6)	32830 (5,089)	0.28 (4.01/27.6)	+100 (245)	C
D39EX-23	460 (18)*	29970 (4,645)	0.28 (3.98/27.5)	±0	B
	510 (20)	33040 (5,121)	0.26 (3.70/25.5)	+110 (245)	C
D39PX-23	635 (25)*	29970 (4,645)	0.28 (3.98/27.5)	±0	B
	700 (27.6)	33040 (5,121)	0.26 (3.70/25.5)	+110 (245)	C
D39EX-22	460 (18)*	29970 (4,645)	0.27 (3.84/26.5)	±0	B
	510 (20)	33040 (5,121)	0.25 (3.56/24.5)	+110 (245)	B
D39PX-22	635 (25)*	29970 (4,645)	0.28 (3.98/27.5)	±0	B
	700 (27.6)	33040 (5,121)	0.26 (3.70/25.5)	+110 (245)	C
D51EX-24	560 (22)*	30750 (4,766)	0.39 (5.55/38.4)	±0	B
D51EX-24 ⁴	560 (22)*	30750 (4,766)	0.40 (5.69/39.2)	±0	B
D51PX-24	710 (28)*	38980 (6,042)	0.32 (4.66/31.4)	±0	C
D51PX-24 ⁴	710 (28)*	38980 (6,042)	0.32 (4.66/31.4)	±0	C
D51EX-22 ⁴	510 (20)*	28000 (4340)	0.45 (5.69/39.2)	±0	B
D51PX-22 ⁴	710 (28)*	38980 (6,042)	0.30 (4.20/28.9)	±0	C
D61EX-24	600 (23.6)*	37980 (5,887)	0.43 (6.11/42.2)	±0	B
D61EX-24 ⁴	600 (23.6)*	37980 (5,887)	0.46 (6.56/45.3)	±0	B
D61PX-24	860 (33.9)*	54440 (8,438)	0.31 (4.48/30.9)	±0	C
D61PX-24 ⁴	860 (33.9)*	54440 (8,438)	0.34 (4.79/33.0)	±0	C
D61EX-23	600 (23.6)*	37980 (5,887)	0.41 (5.83/40.2)	±0	B
D61EX-23E0 ⁴	600 (23.6)*	37980 (5,887)	0.46 (6.53/45.1)	±0	C
D61PX-23	860 (34)*	54440 (8,438)	0.30 (4.27/29.4)	±0	C
	510 (20)	27800 (4,308)	0.52 (7.39/51.0)	-120 (265)	B
D63E-12	560 (22)*	30500 (4,730)	0.48 (6.83/47.1)	±0	B
	610 (24)	33200 (5,146)	0.44 (6.26/43.1)	+120 (265)	B
	510 (20)*	27290 (4,230)	0.57 (8.11/55.9)	±0	B
D65E-12	560 (22)	29970 (4,645)	0.53 (7.54/52.0)	+120 (265)	B
	610 (24)	32640 (5,059)	0.49 (6.97/48.1)	+230 (507)	B
	660 (26)	35320 (5,475)	0.45 (6.40/44.1)	+360 (794)	B
D65P-12	915 (36)*	60120 (9,319)	0.28 (3.98/27.5)	±0	C
D65EX-18	510 (20)	30395 (4,711)	0.58 (8.25/56.9)	-270 (595)	B
	560 (22)	33375 (5,173)	0.54 (7.64/52.7)	-140 (309)	B
	610 (24)*	36355 (5,635)	0.50 (7.06/49.0)	±0	B
	660 (26)	39335 (6,097)	0.46 (6.54/45.1)	+130 (287)	B
D65WX-18	760 (30)*	45295 (7,021)	0.44 (6.23/42.9)	±0	C
D65PX-18	760 (30)* ⁵	49930 (7,739)	0.39 (5.58/38.5)	±0	C
	915 (36)*	60115 (9,318)	0.33 (4.75/32.7)	±0	C
	940 (37)	61760 (9,573)	0.32 (4.50/31.0)	-40 (88)	C
D65EX-17	510 (20)*	30400 (4,712)	0.55 (7.82/53.9)	±0	B
	560 (22)	33380 (5,174)	0.52 (7.39/51.0)	+130 (289)	B
	610 (24)	36360 (5,636)	0.48 (6.83/47.1)	+250 (551)	B
	660 (26)	39340 (6,098)	0.45 (6.40/44.1)	+380 (838)	B

* : Standard shoe
 ** : See the classification of shoe application
 *** : Long track spec.
 *4 : Brazil source
 *5 : for PAT

Ground Pressure

CRAWLER-TYPE TRACTORS

Model	Shoe width mm (in)	Ground contact area cm ² (in ²)	Ground pressure kg/cm ² (PSI/kPa)	Change in operating weight kg (lb)	Application**
D65PX-17	915 (36)*	60120 (9,319)	0.31 (4.41/30.4)	±0	C
D65EX-16	510 (20)*	30400 (4,711)	0.56 (8.01/55.2)	±0	B
	560 (22)	33380 (5,174)	0.52 (7.35/51.0)	+130 (289)	B
	610 (24)	36360 (5,636)	0.48 (6.83/47.1)	+250 (551)	B
	660 (26)	39340 (6,100)	0.44 (6.26/43.1)	+380 (838)	B
D65PX-16	915 (36)*	60120 (9,319)	0.31 (4.47/30.8)	±0	C
D68ESS-12E0	610 (24)*	35750 (5,541)	0.42 (5.96/41.1)	±0	B
D85ESS-2	610 (24)*	36400 (5,462)	0.43 (5.15/42.2)	±0	B
D85ESS-2A	510 (24)*	30400 (4,711)	0.51 (7.25/50.0)	±0	A
	560 (22)	33380 (5,174)	0.47 (6.68/46.1)	+120 (265)	A
	610 (24)	36360 (5,636)	0.43 (6.11/42.2)	+230 (507)	B
	660 (26)	39340 (6,100)	0.40 (5.69/39.2)	+360 (794)	B
D85EX-18	560 (22)*	34160 (5,295)	0.69 (9.87/68.0)	±0	A
	610 (24)	37210 (5,768)	0.64 (9.12/62.9)	+170 (375)	B
	660 (26)	40260 (6,240)	0.60 (8.50/58.6)	+370 (816)	B
D85PX-18	910 (36)	63340 (9,818)	0.40 (5.75/39.7)	±0	C
D85EX-15E0 D85EX-15R	560 (22)*	34160 (5,295)	0.47(6.68/46.1)	±0	A
	610 (24)	39000 (6,045)	0.43 (6.11/42.2)	+340 (750)	B
	660 (26)	40260 (6,240)	0.40 (5.69/39.2)	+530 (1168)	B
D85PX-15E0 D85PX-15R	910 (36)*	63340 (9,820)	0.44 (6.26/43.1)	±0	C
D155A-6	560 (22)*	35280 (5,468)	0.92 (13.1/90.2)	±0	A
	610 (24)	38430 (5,957)	0.85 (12.1/83.4)	+200 (440)	B
	660 (26)	41580 (6,445)	0.79 (11.2/77.5)	+410 (900)	B
	710 (28)	44730 (6,933)	0.74 (10.5/72.6)	+610 (1340)	C
D155A-5	560 (22)*	35950 (5,572)	0.78 (11.09/76.5)	±0	A
	610 (24)	39160 (6,070)	0.72 (10.23/70.6)	+210 (460)	B
	660 (26)	42370 (6,567)	0.67 (9.53/65.7)	+400 (880)	B
	710 (28)	45580 (7,056)	0.63 (8.96/61.8)	+620 (1370)	C
D155AX-8	560 (22)*	36680 (5,685)	0.89 (12.7/87.6)	±0	A
	610 (24)	39960 (6,193)	0.82 (11.7/80.9)	+200 (440)	B
	660 (26)	43230 (6,700)	0.77 (10.9/75.2)	+410 (900)	B
	710 (28)	46510 (7,208)	0.72 (10.2/70.4)	+620 (1370)	C
D155AX-7	560 (22)*	36680 (5,685)	0.84 (11.9/82.4)	±0	A
	610 (24)	39960 (6,193)	0.78 (12.1/76.5)	+200 (440)	B
	660 (26)	43230 (6,700)	0.73 (10.4/71.6)	+410 (900)	B
	710 (28)	46510 (7,208)	0.68 (9.67/66.7)	+620 (1370)	C
D155AX-6	560 (22)*	36680 (5,685)	0.84 (11.9/82.4)	±0	A
	610 (24)	39960 (6,193)	0.78 (12.1/76.5)	+200 (440)	B
	660 (26)	43230 (6,700)	0.73 (10.4/71.6)	+410 (900)	B
	710 (28)	46500 (7,208)	0.68 (9.67/66.7)	+620 (1370)	C

* : Standard shoe
 ** : See the classification of shoe application
 *** : Long track spec.
 *4 : Brazil source
 *5 : for PAT

Extreme service shoe

Model	Shoe width mm (in)	Ground contact area cm ² (in ²)	Ground pressure kg/cm ² (PSI/kPa)	Change in operating weight kg (lb)	Application**
D155A-5	560 (22)	35950 (5,572)	0.79 (11.23/77.5)	+460 (1,010)	A
	610 (24)	39160 (6,070)	0.73 (10.38/71.6)	+700 (1,540)	B
	660 (26)	42370 (6,567)	0.68 (9.67/66.1)	+940 (2,070)	B
D155A-6	560 (22)	36680 (5,685)	0.89 (12.7/87.3)	+450 (990)	A
	610 (24)	39960 (6,193)	0.83 (11.8/81.4)	+690 (1,520)	B
	660 (26)	43230 (6,700)	0.77 (10.9/75.5)	+920 (2,030)	B
D155AX-8	560 (22)	36680 (5,685)	0.91 (12.9/8.8)	+460 (1,010)	A
	610 (24)	39960 (6,193)	0.84 (11.9/82.1)	+700 (1,540)	B
	660 (26)	43230 (6,700)	0.80 (11.4/78.5)	+940 (2,070)	B
D155AX-7	560 (22)	36680 (5,685)	0.84 (11.9/82.4)	+460 (1,010)	A
	610 (24)	39960 (6,193)	0.78 (12.1/76.5)	+700 (1,540)	B
	660 (26)	43230 (6,700)	0.73 (10.4/71.6)	+940 (2,070)	B

Model	Shoe width mm (in)	Ground contact area cm ² (in ²)	Ground pressure kg/cm ² (PSI/kPa)	Change in operating weight kg (lb)	Application**
D155AX-6	560 (22)	36680 (5,685)	0.85 (12.1/83.4)	+460 (1,010)	A
	610 (24)	39960 (6,193)	0.79 (11.2/77.5)	+700 (1,540)	B
	660 (26)	43230 (6,700)	0.74 (10.5/72.6)	+940 (2,070)	B
	610 (24)*	42460 (6,580)	0.89 (12.7/87.3)	±0	A
D275A-5R	710 (28)	49420 (7,659)	0.77 (10.9/75.5)	+570 (1,260)	B
	760 (30)	52900 (8,199)	0.73 (10.4/71.6)	+850 (1,870)	B
D275A-5D D275AX-5E0	610 (24)*	42460 (6,580)	0.93 (13.3/91.2)	±0	A
	610 (24)*	42460 (6,580)	0.89 (12.7/87.3)	±0	A
	710 (28)	49420 (7,659)	0.77 (10.9/75.5)	+570 (1,260)	B
	760 (30)	52900 (8,199)	0.73 (10.4/71.6)	+850 (1,870)	B
D375A-8	610 (24)*	48560 (7,527)	1.16 (16.5/114)	±0	A
	710 (28)	56520 (8,761)	1.01 (14.3/99)	+680 (1,500)	B
	810 (32)	64480 (9,994)	0.89 (12.7/87.8)	+1330 (2,930)	C
D375A-6	610 (24)*	48560 (7,527)	1.10 (15.6/108)	±0	A
	710 (28)	56520 (8,760)	0.95 (13.5/93.2)	+680 (1,500)	B
	810 (32)	64480 (9,990)	0.85 (12.1/83.4)	+1360 (3,000)	C
D375A-6R	610 (24)*	46850 (7,262)	1.11 (15.8/109)	±0	A
	710 (28)	54530 (8,452)	0.96 (13.7/94.1)	+660 (1,445)	B
	810 (32)	62210 (9,643)	0.85 (12.1/83.4)	+1330 (2,930)	C
D375A-5D	610 (24)*	46850 (7,262)	1.06 (15.0/103)	±0	A
	710 (28)	54530 (8,452)	0.92 (13.1/90.4)	+820 (1,810)	B
D475A-5E0	710 (28)*	64240 (9,957)	1.30 (18.5/128)	±0	A
	810 (32)	73290 (11,360)	1.15 (16.4/113)	+920 (2,030)	B
	910 (36)	82340 (12,762)	1.04 (14.8/102)	+1830 (4,030)	C
D475ASD-5E0	810 (32)*	73290 (11,360)	1.15 (16.4/113)	±0	A, B
	910 (36)	82340 (12,762)	1.05 (14.9/103)	+1830 (4,030)	C
D575A-3	760 (30)*	68860 (10670)	1.43 (20.3/140)	±0	A
	810 (32)	73390 (11,375)	1.35 (19.2/132)	+500 (1,100)	B
	860 (34)	77920 (12,080)	1.28 (18.2/126)	+1000 (2,210)	B
	910 (36)	82450 (12,780)	1.21 (17.2/119)	+1500 (3,310)	C
D575ASD-3	860 (34)*	94340 (14,620)	1.21 (17.2/119)	±0	A,B
	910 (36)	99830 (15,430)	1.15 (16.4/113)	+570 (1,260)	B

Swamp shoe (Circular arc shape)

Model	Shoe width mm (in)	Ground contact area cm ² (in ²)	Ground pressure kg/cm ² (PSI/kPa)	Change in operating weight kg (lb)	Application**
D31PX-22	600 (23.6)	26200 (4,061)	0.27 (3.84/26.5)	+40 (88)	C
D37PX-22	600 (23.6)	26900 (4,170)	0.26 (3.70/25.5)	+40 (88)	C
D39PX-22	700 (27.6)	33040 (5,121)	0.25 (3.56/24.5)	-20 (44)	C
D65P-12	950 (37.4)	62420 (9,675)	0.27 (3.84/26.5)	+50 (110)	C
D65PX-16	940 (37)	61760 (9,573)	0.31 (4.41/30.4)	+30 (70)	C
D65PX-17	940 (37)	61760 (9,573)	0.31 (4.41/30.4)	+30 (70)	C
D85PX-15E0	910 (36)	63340 (9,820)	0.37 (5.26/36.3)	-65 (143)	C
D85PX-15R					

* : Standard shoe

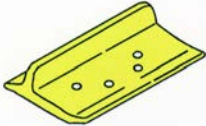
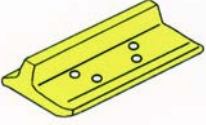
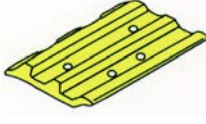
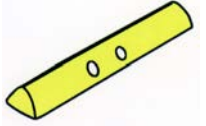
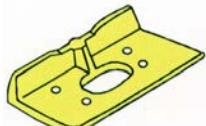

** : See the classification of shoe application

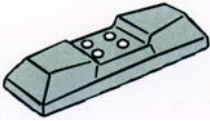
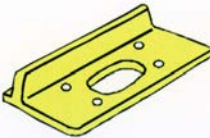
Classification of the applications:

Classification	Applicable terrain	Limitations
A	Rocky terrain, general terrain	These can be used over a wide range of general civil engineering work from crushed rock to preparation of residential land. There is no particular limitation on their use.
B	General or soft terrain	These are used for general earthmoving work where the main work is scraping operations and pushing operations when constructing golf courses, and overburden stripping operations in coal mines. They cannot be used on rocky ground. Be careful to avoid traveling over rocks when carrying out operations on job sites where there are scattered rocks.
C	Extremely soft terrain (swamps)	These are used on soft ground where B classification shoes would sink. These cannot be used on ground where there are scattered rocks.

NOTE: Select the proper shoe width for your customers, by taking the limitations described above into consideration, (especially on wide shoes "B" and "C").
Select the narrowest possible shoes, depending on the flotation and ground pressure of the machines. If the shoe is too wide, the load on the track shoe increases and results in bends in the shoes, cracks in the links, breakage and slipping out of the pins and loosening of the bolts.

Applications of different shoes in accordance with soil characteristics and working conditions.

Type of shoe	Applicable soil and work	Advantages	Disadvantages	Remarks
1 Single grouser shoe 	General soil excluding rocky ground (for bulldozer)	<ul style="list-style-type: none"> Because the shape of the grouser is sharp, it easily bites into the ground and provides a large traction force. 	<ul style="list-style-type: none"> Strength is somewhat reduced on rocky ground, and bending and other damage may occur. The riding conform is a little inferior to the triple and double grouser shoes. The road surface is liable to be roughed. The turning resistance is large. 	Is available in various widths to suit the softness of the soil.
2 Heavy duty shoe 	For rocky ground (for bulldozer)	<ul style="list-style-type: none"> Compared to a single grouser shoe, the grouser and plate portions of this shoe are thicker and stronger, providing high bending resistance and wear resistance. 		
3 • Tripple grouser shoe • Double grouser shoe 	Hard ground Suitable for both soft and hard ground (for hydraulic excavator and dozer shovel)	<ul style="list-style-type: none"> The three grousers have the same height, hence turning ability is good. Good riding comfort is obtained as compared with a single grouser shoe. Rotating resistance is low. Because three beams are used, resistance to bending is high. 	<ul style="list-style-type: none"> This shoe does not readily bite into the ground, so the traction force is low. 	
4 Swamp shoe 	Swamp areas (for swamp dozer)	<ul style="list-style-type: none"> Because the cross-section of this shoe is an arc, the ground contact area is large, and buoyancy is easily obtained. This shoe is particularly suitable for use in swamp areas and areas with low ground pressure. The ground surface is not damaged when the machine travels over it, so it is suitable for soil compaction and leveling work. 	<ul style="list-style-type: none"> Unsuitable for ground other than swampy ground. When used off swampy ground, it is liable to bend due to its low strength. 	Various widths are available to suit the degree of softness of the swampy ground.
5 Snow shoe 	On snow	<ul style="list-style-type: none"> For use on snow To prevent transverse slip <ol style="list-style-type: none"> 1) Is provided with rib. 2) Grousers are stepped. For discharging ice and snow <ol style="list-style-type: none"> 1) Holes are provided in plate portion. 2) Tail of plate has been eliminated. 	<ul style="list-style-type: none"> Wear and damage occur rapidly when this shoe is used on general soil and rocky ground. 	
6 Flat shoe 	Paved roads Indoor work	<ul style="list-style-type: none"> Projections have been eliminated (heads of shoe bolts are recessed), permitting work on paved roads without damaging road surface. Turning resistance is very low, and tracks are highly wear resistant. 	<ul style="list-style-type: none"> Because there are no grousers, this shoe does not bite into the ground. 	

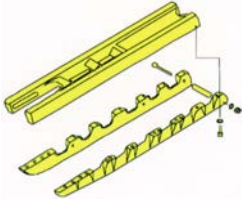
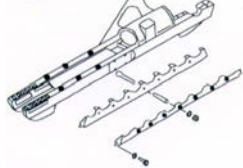
Type of shoe	Applicable soil and work	Advantages	Disadvantages	Remarks
<p>7 Road liner (rubber)</p> 	<p>Paved road Indoor work</p>	<ul style="list-style-type: none"> • The surface of the shoe in contact with the ground is made of rubber, so the machine can travel on paved roads without damaging the road surface. • Prevents noise when machine is traveling. 	<ul style="list-style-type: none"> • Use in the following places will shorten the cutting life of the rubber. <ol style="list-style-type: none"> (1) Rocky ground (2) Cold areas (below -25°C) (3) Hot areas (above 65°C) • Because there are no grouser, this shoe does not bite into the ground. 	
<p>8 Center hole shoe</p> 	<p>Soil which clogs</p>	<ul style="list-style-type: none"> • There is a hole in the plate to remove any mud or soil. • The sprocket removes any mud or soil collected between the track rails, so clogging of the track is reduced. 	<ul style="list-style-type: none"> • Strength is somewhat reduced on rocky ground, and crack and other damage may occur. 	

Roller guard installation (Bulldozer)

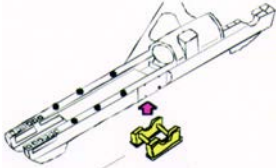
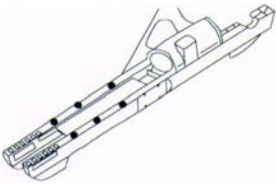
■ Small-middle Class

When using bulldozers, it is necessary to make most appropriate choices of the track roller guards fitting to respective working environments. Given below are the criterion for the choices.

This chart provides clearer criterion for the choices in consideration of respective functions of different types of track roller guards.

Types	Full roller guard	
	Integral structure full roller guard	3-part split type full roller guard
Determination criterion for different working environments		 Local add-on type
	Rocks and soil containing boulders and gravel (A and E)	The part is effective for prevention of catching pebbles.
	Sand and sandy soil (A, E and P)	The part is effective for prevention of pitch squeaking.
	Clayey soil (P and PL)	Be careful when using this part since the soil sets when dried. (Note 1)
	Swamp (PL and PLL)	The part is effective for prevention of snaking of the track. (Prevents side sliding of the track shoes.) (Note 1) The part is effective for prevention of disengagement of the track shoes.
	Slopes	The part is effective for prevention of disengagement of the track shoes. (Prevents side-sliding of the track shoes.)

(Note 1) Although soil and sand tend to enter less, once they enter, they may not be easily discharged depending on the type of soil, so make the choice in consideration of past experience with machines having been used in the subject area and of the working environments of the machine.

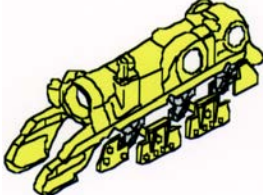
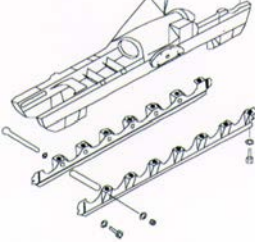
Types	Not full roller guard		
	Center and end section track guard	End section track guard	
Determination criterion for different working environments	 Short length guard for installation at the center section		
	Rocks and soil containing boulders and gravel (A and E)	The part is not suitable	The part is not suitable
	Sand and sandy soil (A, E and P)	No noticeable difference from use of the end-section only track guard	Although sand and soil tend to enter more, they can be easily discharged and this part is being employed.
	Clayey soil (P and PL)	The part is effective for prevention of disengagement or side-sliding of the track shoes	
	Swamp (PL and PLL)		
	Slopes	The part is not suitable	The part is not suitable

NOTE: Please consult your local distributor for availability of track rollers guard for the model that you require.

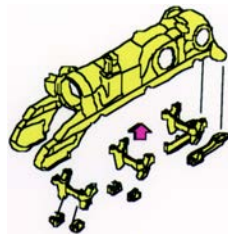
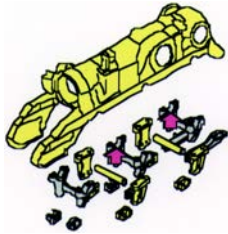
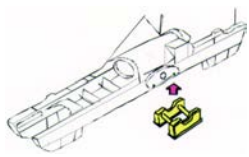
■ Large Class

When using bulldozers, it is necessary to make most appropriate choices of the track roller guards fitting to respective working environments. Given below are the criterion for the choices.

This chart provides clearer criterion for the choices in consideration of respective functions of different types of track roller guards.

Determination criterion for different working environments	Types	Full roller guard	
		Bogie full roller guard	Split type full roller guard
			
Rocks and soil containing boulders and gravel (A and E)	The part is effective for prevention of catching pebbles.		
Sand and sandy soil (A, E and P)	The part is effective for prevention of pitch squeaking.		
Clayey soil (A, E and P)	Be careful when using this part since the soil sets when dried. (Note 1)		
Slopes	The part is effective for prevention of disengagement of the track shoes. (Prevents side-sliding of the track shoes.)		

(Note 1) Although soil and sand tend to enter less, once they enter, they may not be easily discharged depending on the type of soil, so make the choice in consideration of past experience with machines having been used in the subject area and of the working environments of the machine.

Determination criterion for different working environments	Types	Not full roller guard		
		Bogie roller guard	Add-on full roller guard	Center end section track guard
				
Rocks and soil containing boulders and gravel (A and E)	Although sand and soil tend to enter more, they can be easily discharged and this part is being employed.	The part prevents stones from entering between rollers on the rocky soil	The part is not suitable	
Sand and sandy soil (A, E and P)	The part is effective for prevention of disengagement or side-sliding of the track shoes.		Although sand and soil tend to enter more, they can be easily discharged and this part is being employed. The part is effective for prevention of disengagement or side-sliding of the track shoes.	
Clayey soil (A, E and P)			The part is not suitable	
Slopes	The part is not suitable		The part is not suitable	

NOTE: Please consult your local distributor for availability of track rollers guard for the model that you require.

SECTION **2B**

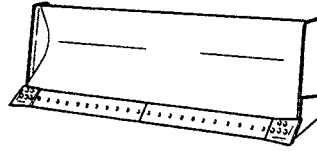
BULLDOZERS

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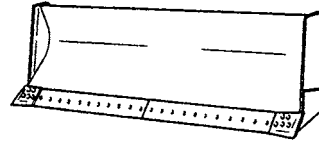
Blade Selection 2B-2
Blade Availability 2B-4
Blade Specifications:
 Straight Tiltdozer 2B-6
 Power-tilt Power-pitch Dozer 2B-9
 Angle Dozer 2B-10
 Power Angle Tiltdozer 2B-12
 Semi-U Tiltdozer, Dual Semi-U Tiltdozer 2B-17
 SIGMADOZER, Sigma Power-pitch Dozer 2B-21
 U-tilt dozer 2B-25
 Super Dozer 2B-28
 Coal Dozer 2B-29
Production 2B-30

Straight-tilt dozer

Having a high HP/ cutting edge length, this blade has an aggressive penetration. This blade also has a high HP/loose cubic yards for easy handling of heavy materials. The tilting function of this blade increases production and versatility. With a sturdy construction, this blade is suitable for powerful cutting and dozing, especially heavy cutting on rocky ground.

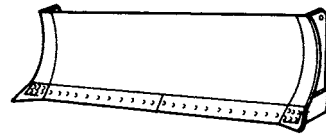
**Straight dozer**

This blade has the same structure and functions but is not equipped with a tilt-cylinder.

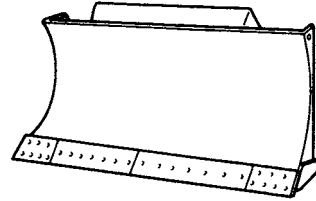
**Angle dozer**

The blade can be set straight or angled to both sides. Plowing earth or snow to one side is possible by angling the blade.

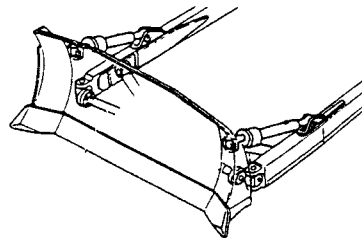
Useful for road construction, back filling etc.

**Power angle-tilt dozer**

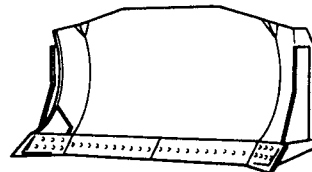
Power angling and tilting of the blade are possible from the operator seat. This blade is applicable for versatile works such as grading, back filling, spreading and light land clearing

**Dual tilt dozer**

The blade has two tilt cylinders on both sides. An optimum blade cutting angle for all types of materials and ground inclinations can be selected for increased loads and consequently increased production. A fast tilt speed and a large tilt angle also concentrate blade force where maximum penetration is needed.

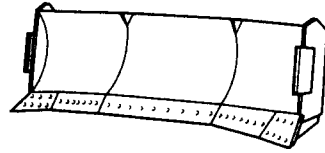
**Semi-U-tilt dozer**

The blade combines penetration ability of straight blade with increased load capacity provided by short wings which include only the end bits.

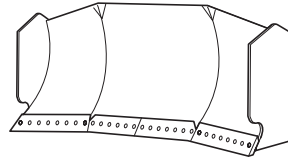


U-tiltblade

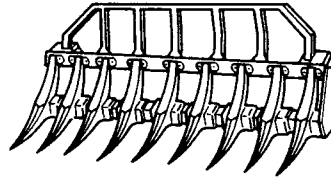
The wings on this blade minimize material spillage. Since this blade has a lower HP/loose cubic yards than a straight-tiltblade, this blade is suitable for moving lighter or loose materials over long distances. Suitable works are land reclamation, stockpiling and other similar jobs.

**Coal dozer**

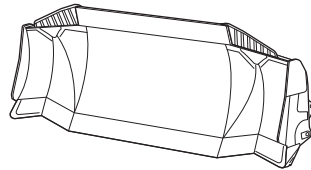
Specialized blade for pushing coal, with larger width and deep angled wings.

**Rake dozer**

Having teeth, this blade provides good penetration into the soil for removal of stumps, roots and rocks.

**SIGMADOZER**

A new frontal design concept adopted for digging and rolling up at the center of the blade increases soil holding capacity, simultaneously reducing sideways spillage. Reduced digging resistance produces smoother flow of earth, enabling the dozing of large quantities of soil with less power.



Attachment	Model	D21-8E0		D31-22		D37-22		D37-23		D37-24		D39-22		D39-23	
		A	P	EX	PX	EX	PX	EX	PX	EX	PX	EX	PX	EX	PX
Power angle-tiltadozer (PAT)		○	○	○	○	○	○	○	○	○	○	○	○	○	○
PAT (Narrow blade)								○		○					
Wide power angle-tiltadozer															
PAT (Foltable blade)															
Trimming dozer					○										

Attachment	Model	D39-24		D51-22		D51-24		D61-23		D61-24		D61-23M0
		EX	PX	EX	PX	EX	PX	EX	PX	EX	PX	EX
Straight-tiltadozer												
Angle dozer												
Strengthened angle dozer												
Power angle-tiltadozer (PAT)		○	○	○	○	○	○	○	○	○	○	○
PAT (Narrow blade)			○									
Wide power angle-tiltadozer				○		○						
PAT (Foldable blade)											○	

Attachment	Model	D63-12	D65-12		D65-16		D65-17		D65-18		
		E	E	P	EX	PX	EX	PX	EX	PX	WX
Straight tiltadozer		○	○	○	○	○	○	○	○	○	
Strengthened straight tiltadozer											
Straight dozer											
Strengthened straight dozer											
Angle dozer			○		○		○		○		
Strengthened angle dozer											
Power angle-tiltadozer (PAT)					○	○	○	○	○	○	○
PAT (Narrow blade)											
Wide power angle tiltadozer											
Mechanical angle power tiltadozer											
Semi-U-tiltadozer		○	○		○						
Strengthened semi-U tiltadozer											
Power tilt and pitch dozer				○		○		○		○	
SIGMADOZER					○		○		○		○
Sigma power-pitch dozer					○		○		○		○
Straight rake dozer			○								
Trimming dozer					○						

Attachment	Model	D85-2	D85-2A	D85-15	D85-15E0 D85-15R		D85-18		D155-5	D155-6		D155-7	D155-8
		ESS	ESS	EX	EX	PX	EX	PX	A	A	AX	AX	AX
Straight tiltdozer			○		○	○	○	○					
Strengthened straight tiltdozer													
Straight dozer													
Strengthened straight dozer													
Angle dozer		○	○		○				○	○	○		
Strengthened angle dozer													
Mechanical angle power tiltdozer					○								
Semi-U-tiltdozer			○		○		○		○	○	○	○	○
Strengthened semi-U tiltdozer							○		○	○	○	○	○
Dual tilt semi-U dozer											○		○
Strengthened dual tilt semi-U dozer											○	○	○
U-tiltdozer									○	○	○	○	○
Strengthened U-tiltdozer									○	○	○	○	
Dual U-tiltdozer											○		○
Strengthened dual U-tiltdozer											○	○	
Power tilt and pitch dozer							○			○	○	○	○
SIGMADOZER							○			○	○	○**	○
Strengthened SIGMADOZER										○	○	○**	○
Dual tilt SIGMADOZER									○		○	○**	○
Strengthened dual tilt SIGMADOZER									○		○	○	○
Mechanical tilt coal dozer													
Power tilt coal dozer									○	○	○		
Welded type pusher plate									○	○	○	○	
Bolt-on type pusher plate													
Straight rake dozer									○				
Trimming dozer				○									
Straight rock rakedozer									○				

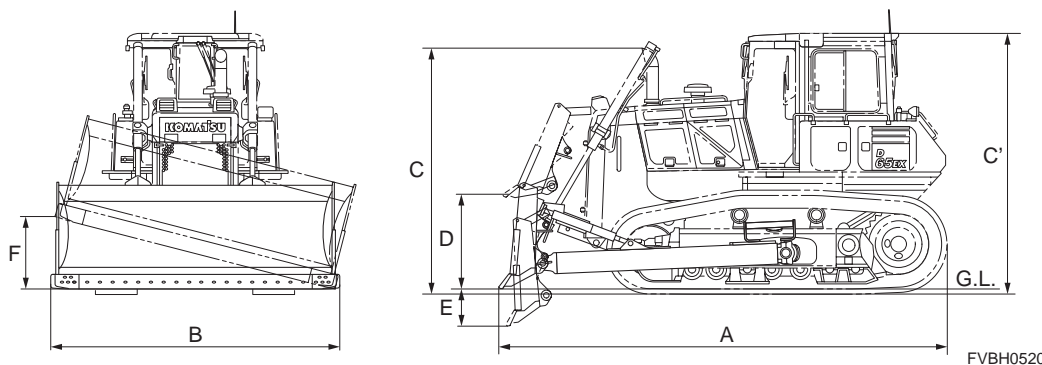
Attachment	Model	D275-5D	D275-5E0	D275-5R	D375-5D	D375-6R D375-6	D375-8	D475-5E0		D575-3	
		A	AX	A	A	A	A	A	ASD	A	ASD
Semi-U-tiltdozer		○	○	○		○					○
Strengthened semi-U-tiltdozer			○	○		○	○	○			○
U-tiltdozer			○	○	○						○
Strengthened U-tiltdozer			○	○		○*	○	○			○
Mechanical tilt coal dozer											
Power tilt coal dozer								○			
Welded type pusher plate			○	○		○		○			
Bolt-on type pusher plate											
Straight rock rake dozer				○							
Semi-U-dual tiltdozer			○	○		○					○
Strengthened semi-U-dual tiltdozer			○	○		○	○	○			○
U-dual tiltdozer			○	○							○
Strengthened dual U-tiltdozer			○	○		○*	○*	○			○
Super dozer									○		○
SIGMADOZER											
Strengthened SIGMADOZER				○							
Dual SIGMADOZER											
Strengthened dual tilt SIGMADOZER			○	○							
Sigma power-pitch dozer											

* : With spill guard

** : These are available as optional settings, but strengthened dual SIGMADOZER is recommended.

Blade Specifications Straight Tilt Dozer

BULLDOZERS



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Item		Model	D63E-12***	D65E-12	D65P-12	D65EX-18
OPERATING WEIGHT*		kg (lb)	16615 (36,630)	17620 (38,850)	18970 (41,820)	20650 (45,520)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	3.87 (5.06) 3.00 (3.92)	5.12 (6.70) 3.89 (5.09)	4.80 (6.28) 3.69 (4.83)	5.12 (6.70) 3.89 (4.83)
DIMENSION*						
A	Overall length	mm (ft.in)	5065 (16'7")	5260 (17'3")	5550 (18'3")	5330 (17'6")
B	Overall width	mm (ft.in)	3200 (10'6")	3415 (11'2")	3970 (13')	3415 (11'2")
C	Overall height	mm (ft.in)	2765 (9'1")	2980 (9'9")	3025 (9'11")	2965 (9'9")
C'	Overall height	mm (ft.in)	-	-	-	3155 (10'4")
	Ground pressure	kg/cm ² (PSI)	0.54 (7.67)	0.65 (9.24)	0.32 (4.55)	0.65 (9.2)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	1970 (4,340)	2600 (5,730)	2620 (5,780)	2080 (4,590)
	Length	mm (ft.in)	3200 (10'6")	3415 (11'2")	3970 (13')	3415 (11'2")
	Height	mm (ft.in)	1100 (3'7")	1225 (4'1")	1100 (3'7")	1225 (4'0")
D	Max. lift above ground	mm (ft.in)	1005 (3'4")	1100 (3'7")	1200 (3'11")	1100 (3'7")
E	Max. drop below ground	mm (ft.in)	460 (1'6")	450 (1'6")	445 (1'6")	435 (1'5")
F	Max. tilting adjustment	mm (ft.in)	600 (2'3")	870 (2'10")	890 (2'11")	870 (2'10")
	Digging angle	degree	56	55	57	55
UPPER ATTACHMENT			-	-	-	ROPS cab

Item		Model	D65PX-18	D65EX-17	D65PX-17	D65EX-16
OPERATING WEIGHT*		kg (lb)	22010 (48,520)	19350 (42,660)	21160 (46,650)	19180 (42,280)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	4.80 (6.28) 3.69 (4.83)	5.12 (6.70) 3.89 (5.09)	4.80 (6.28) 3.69 (4.83)	5.12 (6.70) 3.89 (5.09)
DIMENSION*						
A	Overall length	mm (ft.in)	5680 (18'8")	5330 (17'6")	5680 (18'8")	5330 (17' 6")
B	Overall width	mm (ft.in)	3970 (13'0")	3415 (11'2")	3970 (13'0")	3415 (11' 2")
C	Overall height	mm (ft.in)	2965 (9'9")	3080 (10'1")	3080 (10'1")	3080 (10'1")
C'	Overall height	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3155 (10'4")
	Ground pressure	kg/cm ² (PSI)	0.37 (5.21)	0.64 (9.10)	0.35 (4.98)	0.63 (8.98)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2150 (4,740)	2060 (4,540)	2100 (4,630)	2060 (4540)
	Length	mm (ft.in)	3970 (13'0")	3415 (11'2")	3970 (13'0")	3415 (11' 2")
	Height	mm (ft.in)	1100 (3'7")	1225 (4'0")	1100 (3'7")	1225 (4'0")
D	Max. lift above ground	mm (ft.in)	1125 (3'8")	1100 (3'7")	1125 (3'8")	1100 (3' 7")
E	Max. drop below ground	mm (ft.in)	540 (1'9")	435 (1'5")	540 (1'9")	435 (1' 5")
F	Max. tilting adjustment	mm (ft.in)	890 (2'11")	870 (2'10")	890 (2'11")	870 (2'10")
	Digging angle	degree	55	55	55	55
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

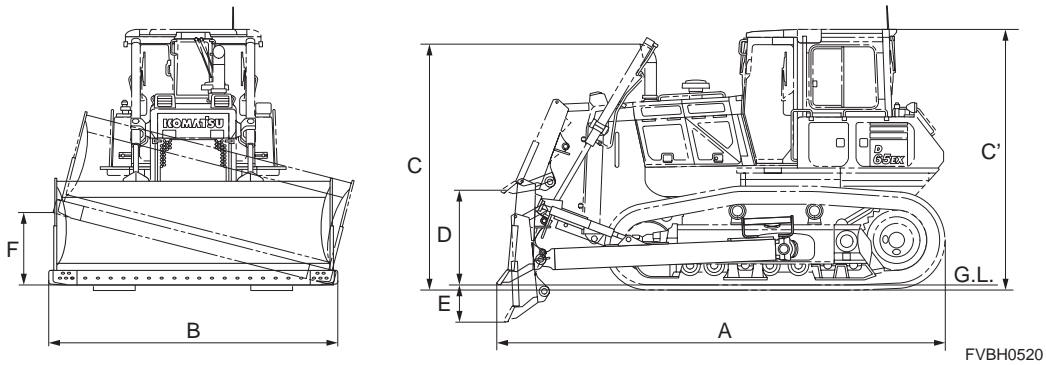
** : L: Blade length H: Blade height

*** : for Russia

*4 : Indonesia source

Blade Specifications Straight Tilt Dozer

BULLDOZERS



FVBH0520

Item		Model	D65PX-16	D68ESS-12E0 ^{*4}	D85ESS-2 ^{*4}	D85ESS-2A
OPERATING WEIGHT*		kg (lb)	20990 (46,270)	16750 (36,930)	17960 (39,590)	18850 (41,560)
BLADE CAPACITY LH ^{2**} SAE		m ³ (yd ³)	4.80 (6.28) 3.69 (4.83)	3.87 (5.06) 3.0 (3.92)	5.8 (7.6) 4.4 (5.75)	5.0 (6.54) 3.4 (4.45)
DIMENSION*						
A	Overall length	mm (ft.in)	5680 (18'8")	5250 (17'3")	5615 (18'5")	5930 (19'5")
B	Overall width	mm (ft.in)	3970 (13'0")	3200 (10'6")	3620 (11'11")	4370 (14'4")
C	Overall height	mm (ft.in)	3080 (10'1")	2305 (7'7")	2560 (8'5")	2980 (9'9")
C'	Overall height	mm (ft.in)	3155 (10'4")	-	-	-
	Ground pressure	kg/cm ² (PSI)	0.35 (4.96)	0.47 (6.66)	0.49 (7.0)	0.62 (8.82)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2100 (4,630)	1770 (3,900)	2220 (4,890)	3430 (7,560)
	Length	mm (ft.in)	3970 (13'0")	3200 (10'6")	3620 (11'11")	4370 (14'4")
	Height	mm (ft.in)	1100 (3'7")	1100 (3'7")	1295 (4'3")	1070 (3'6")
D	Max. lift above ground	mm (ft.in)	1125 (3'8")	1130 (3'8")	1070 (3'6")	1255 (4'1")
E	Max. drop below ground	mm (ft.in)	540 (1'9")	460 (1'6")	590 (1'11")	485 (1'7")
F	Max. tilting adjustment Digging angle	mm (ft.in) degree	890 (2'11") 55	460 (1'6") -	460 (1'6") -	400 (1'4") 56
UPPER ATTACHMENT			ROPS cab	-	-	-

Item		Model	D85EX-18	D85PX-18	D85EX-15E0	D85EX-15R
OPERATING WEIGHT*		kg (lb)	26690 (58,840)	28770 (63,430)	24550 (54,120)	24450 (53,900)
BLADE CAPACITY LH ^{2**} SAE		m ³ (yd ³)	7.86 (10.3) 5.2 (6.8)	8.56 (11.2) 5.9 (7.7)	7.66 (10.02) 5.2 (6.8)	7.66 (10.02) 5.2 (6.8)
DIMENSION*						
A	Overall length	mm (ft.in)	5670 (18'7")	6025 (19'9")	5640 (18'6")	5640 (18'6")
B	Overall width	mm (ft.in)	3715 (12'2")	4355 (14'3")	3715 (12'2")	3715 (12'2")
C	Overall height	mm (ft.in)	3290 (10'10")	3290 (10'10")	3330 (10'11")	3330 (10'11")
C'	Overall height	mm (ft.in)	3320 (10'11")	3320 (10'11")	3163 (10'5")	3163 (10'5")
	Ground pressure	kg/cm ² (PSI)	0.78 (11.1)	0.45 (5.46)	0.72 (10.21)	0.72 (10.21)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2990 (6,590)	3140 (6,920)	3329 (7,343)	3329 (7,343)
	Length	mm (ft.in)	3715 (12'2")	4365 (14'4")	3715 (12'2")	3715 (12'2")
	Height	mm (ft.in)	1455 (4'9")	1400 (4'7")	1436 (4'9")	1436 (4'9")
D	Max. lift above ground	mm (ft.in)	1175 (3'10")	1230 (4'0")	1210 (4')	1210 (4')
E	Max. drop below ground	mm (ft.in)	530 (1'9")	560 (1'10")	540 (1'9")	540 (1'9")
F	Max. tilting adjustment Digging angle	mm (ft.in) degree	750 (2'6") 55	500 (1'8") 55	750 (2'6") 55	750 (2'6") 55
UPPER ATTACHMENT			ROPS cab	ROPS cab	-	-

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

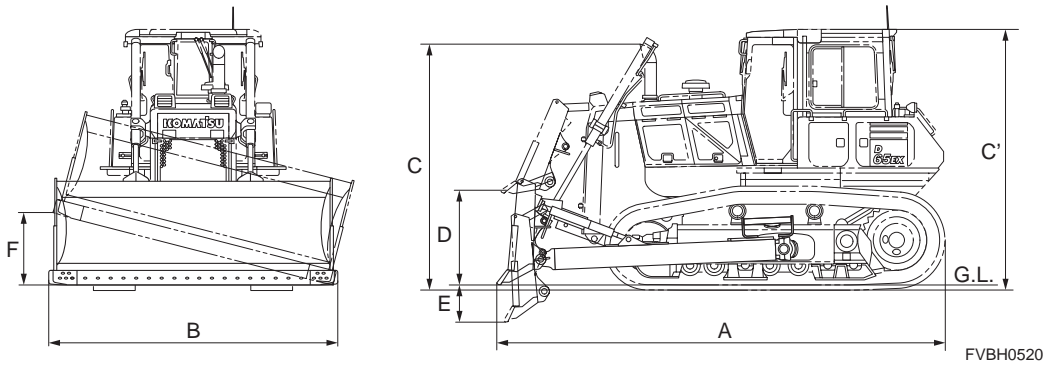
** : L: Blade length H: Blade height

*** : for Russia

*4 : Indonesia source

Blade Specifications Straight Tilt Dozer

BULLDOZERS



FVBH0520

Item		Model	D85PX-15E0	D85PX-15R		
OPERATING WEIGHT*		kg (lb)	26870 (59,240)	26780 (59,040)		
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	8.19 (10.72) 5.9 (7.7)	8.19 (10.72) 5.9 (7.7)		
DIMENSION*						
A	Overall length	mm (ft.in)	6065 (19'11")	6065 (19'11")		
B	Overall width	mm (ft.in)	4365 (14'4")	4365 (14'4")		
C	Overall height	mm (ft.in)	3330 (10'11")	3330 (10'11")		
C'	Overall height	mm (ft.in)	3163 (10'5")	3163 (10'5")		
	Ground pressure	kg/cm ² (PSI)	0.42 (6.03)	0.42 (5.97)		
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	3366 (7,421)	3366 (7,421)		
	Length	mm (ft.in)	4365 (14'4")	4365 (14'4")		
	Height	mm (ft.in)	1370 (4'6")	1370 (4'6")		
D	Max. lift above ground	mm (ft.in)	1230 (4')	1230 (4'0")		
E	Max. drop below ground	mm (ft.in)	570 (1'10")	570 (1'10")		
F	Max. tilting adjustment	mm (ft.in)	500 (1'8")	500 (1'8")		
	Digging angle	degree	55	55		
UPPER ATTACHMENT			-	-		

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

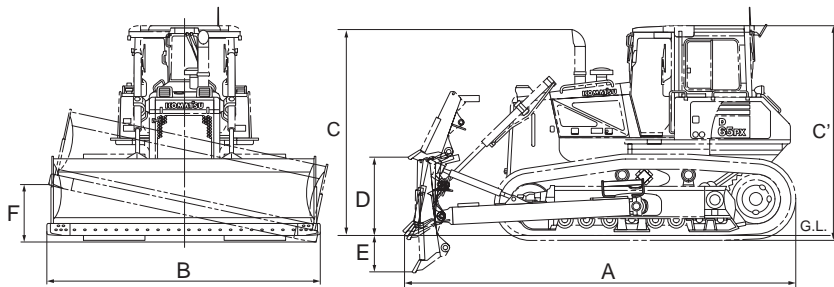
*** : for Russia

*4 : Indonesia source

Blade Specifications

Power-tilt Power-pitch Dozer

BULLDOZERS



FVBH0456

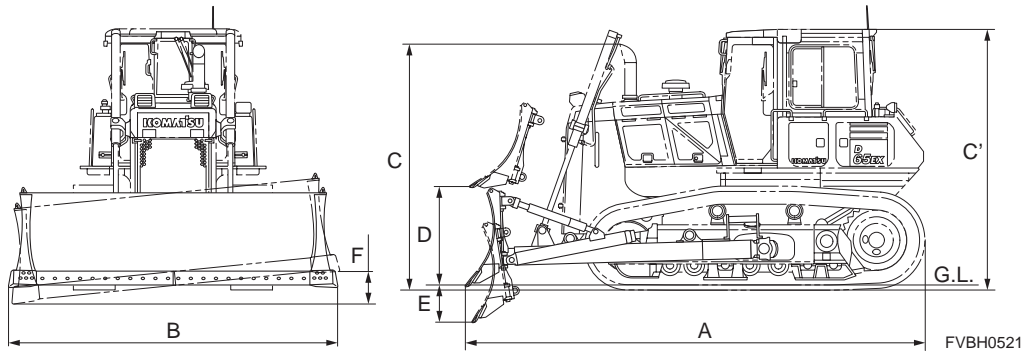
Item		Model	D65PX-18	D65PX-17	D65PX-16	D65P-12
OPERATING WEIGHT*		kg (lb)	22040 (48,590)	21220 (46,780)	21050 (46,410)	19670 (43,360)
BLADE CAPACITY		m ³ (yd ³)	4.80 (6.28)	4.80 (6.28)	4.80 (6.28)	4.80 (6.28)
		LH2** SAE	3.69 (4.83)	3.69 (4.83)	3.69 (4.83)	3.69 (4.83)
DIMENSION*						
A	Overall length	mm (ft.in)	5680 (18'8")	5680 (18'8")	5680 (18'8")	5520 (18'1")
B	Overall width	mm (ft.in)	3970 (13'0")	3970 (13'0")	3970 (13'0")	3970 (13'0")
C	Overall height	mm (ft.in)	2965 (9'9")	3080 (10'1")	3080 (10'1")	2990 (9'10")
C'	Overall height	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	-
	Ground pressure	kg/cm ² (PSI)	0.37 (5.21)	0.35 (4.98)	0.35 (4.98)	0.33 (4.69)
DOZER EQUIPMENT						
D	Weight (Includes hydraulic control unit)	kg (lb)	2170 (4,780)	2160 (4,760)	2160 (4,760)	2730 (6,020)
E	Length	mm (ft.in)	3970 (13'0")	3970 (13'0")	3970 (13'0")	3970 (13'0")
F	Height	mm (ft.in)	1100 (3'7")	1100 (3'7")	1100 (3'7")	1100 (3'7")
	Max. lift above ground	mm (ft.in)	1125 (3'8")	1125 (3'8")	1125 (3'8")	1105 (3'8")
	Max. drop below ground	mm (ft.in)	540 (1'9")	540 (1'9")	540 (1'9")	540 (1'9")
	Max. tilting adjustment	mm (ft.in)	890 (2'11")	890 (2'11")	890 (2'11")	890 (2'11")
	Digging angle (Available stepless angle adjustment)	degree	49 to 61	49 to 61	49 to 61	50 to 66
UPPER ATTACHMENT		-		ROPS cab	ROPS cab	-

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

Blade Specifications Angle Dozer

BULLDOZERS



Item		Model	D65E-12	D65EX-18	D65EX-17	D65EX-16
OPERATING WEIGHT*		kg (lb)	17690 (39,000)	20880 (46,030)	19490 (42,970)	19320 (42,590)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	4.80 (6.28) 3.55 (4.64)	4.76 (6.23) 3.55(4.64)	4.80 (6.28) 3.55 (4.64)	4.80 (6.28) 3.55 (4.64)
DIMENSION*						
A	Overall length	mm (ft.in)	5470 (17'11")	5540 (18'2")	5540 (18'2")	5540 (18'2")
B	Overall width	mm (ft.in)	3970 (13')	3970 (13'0")	3970 (13'0")	3970 (13'0")
C	Overall height	mm (ft.in)	2980 (9'9")	2965 (9'9")	3080 (10'1")	3080 (10'1")
C'	Overall height	mm (ft.in)	-	3155 (10'3")	3155 (10'4")	3155 (10'4")
	Ground pressure	kg/cm ² (PSI)	0.65 (9.2)	0.57 (8.12)	0.64 (9.10)	0.64 (9.10)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg(lb)	2820 (6,220) 2930 (6,460)	2310 (5,090)	2200 (4,850)	2200 (4,850)
	Length	mm (ft.in)	3970 (13')	3970 (13'0")	3970 (13'0")	3970 (13'0")
	Height	mm (ft.in)	1100 (3'7")	1100 (3'7")	1100 (3'7")	1100 (3'7")
D	Max. lift above ground	mm (ft.in)	1180 (3'10")	1175 (3'10")	1175 (3'10")	1175 (3'10")
E	Max. drop below ground	mm (ft.in)	460 (1'6")	445 (1'6")	445 (1'6")	445 (1'6")
F	Max. tilting adjustment	mm (ft.in)	400 (1'4")	400 (1'4")	400 (1'4")	400 (1'4")
	Digging angle	degree	56.5	56	56	56
UPPER ATTACHMENT		-	-	ROPS cab	ROPS cab	ROPS cab

Item		Model	D68ESS-12E0 ⁴	D85ESS-2 ⁴	D85ESS-2A	D85EX-15E0
OPERATING WEIGHT*		kg (lb)	17640 (38,890)	18630 (41,070)	18530 (40,850)	24804 (54,680)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	4.76 (6.23) 2.6 (3.40)	5.0 (6.54) 3.4 (4.45)	5.0 (6.54) 3.4 (4.45)	5.8 (7.6) 4.0 (5.2)
DIMENSION*						
A	Overall length	mm (ft.in)	6280 (20'7")	5930 (19'5")	5930 (19'5")	6035 (19'10")
B	Overall width	mm (ft.in)	3970 (13'0")	4370 (14'4")	4370 (14'4")	4515 (14'10")
C	Overall height	mm (ft.in)	3190 (10'6")	2560 (8'5")	2980 (9'9")	3330 (10'11")
C'	Overall height	mm (ft.in)	-	-	-	3163 (10'5")
	Ground pressure	kg/cm ² (PSI)	0.49 (7.02)	0.51 (7.28)	0.62 (8.82)	0.73 (10.39)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2660 (5,860)	2890 (6,370)	3430 (7,560)	3584 (7,900)
	Length	mm (ft.in)	3970 (13'0")	4370 (14'4")	4370 (14'4")	4515 (14'10")
	Height	mm (ft.in)	950 (3'1")	1070 (3'6")	1070 (3'6")	1130 (3'8")
D	Max. lift above ground	mm (ft.in)	1205 (3'11")	1255 (4'1")	1255 (4'1")	1170 (3'10")
E	Max. drop below ground	mm (ft.in)	585 (1'11")	485 (1'7")	485 (1'7")	755 (2'6")
F	Max. tilting adjustment	mm (ft.in)	400 (1'4")	400 (1'4")	400 (1'4")	520 (1'8")
	Digging angle	degree		56	56	55
UPPER ATTACHMENT		-	-	-	-	-

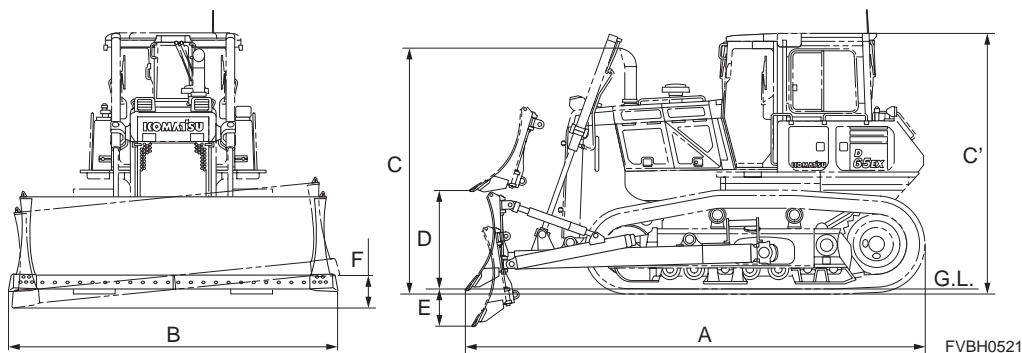
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

*4 : Indonesia source

Blade Specifications Angle Dozer

BULLDOZERS



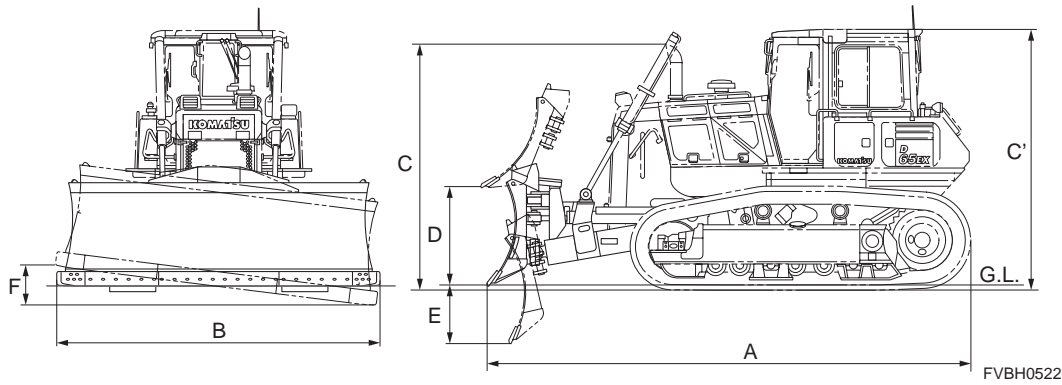
Item		Model	D85EX-15R	D155A-5	D155AX-6	D155A-6	
OPERATING WEIGHT*		kg (lb)	24704 (54,460)	33040 (72,840)	36170 (79,750)	37470 (82,610)	
BLADE CAPACITY		LH ² ** SAE	m ³ (yd ³)	5.8 (7.6) 4.0 (5.2)	7.04 (9.21) 4.9 (6.4)	7.04 (9.21) 4.6 (6.0)	6.64 (8.69) 4.6 (6.0)
DIMENSION*							
A	Overall length	mm (ft.in)	6035 (19'10")	6502 (21'4")	6743 (22'1")	6580 (21'7")	
B	Overall width	mm (ft.in)	4515 (14'10")	4850 (15'11")	4850 (15'11")	4850 (15'11")	
C	Overall height	mm (ft.in)	3330 (10'11")	3395 (11'2")	3385 (11'1")	3385 (11'1")	
C'	Overall height	mm (ft.in)	3163 (10'5")	3365 (11'0")	3395 (11'1")	3510 (11'6")	
	Ground pressure	kg/cm ² (PSI)	0.72 (10.24)	0.92 (13.1)	0.99 (14.02)	1.06 (15.07)	
DOZER EQUIPMENT							
	Weight (Includes hydraulic control unit)	kg (lb)	3584 (7,900)	5140 (11,330)	5170 (11,400)	5170 (11,400)	
	Length	mm (ft.in)	4515 (14'10")	4850 (15'11")	4850 (15'11")	4850 (15'11")	
	Height	mm (ft.in)	1130 (3'8")	1205 (3'11")	1205 (3'11")	1170 (3'10")	
D	Max. lift above ground	mm (ft.in)	1170 (3'10")	1295 (4'3")	1562 (5'1")	1560 (5'1")	
E	Max. drop below ground	mm (ft.in)	755 (2'6")	745 (2'5")	664 (2'2")	660 (2'2")	
F	Max. tilting adjustment	mm (ft.in)	520 (1'8")	520 (1'8")	520 (1'8")	520 (1'8")	
	Digging angle	degree	55	55	56	56	
UPPER ATTACHMENT			-	-	-	-	

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

Blade Specifications Power Angle Tilt Dozer

BULLDOZERS



Item		Model	D21A-8E0	D21P-8E0	D31EX-22	D31PX-22
OPERATING WEIGHT*		kg (lb)	3710 (8,180)	4100 (9,040)	7670 (16,910)	8130 (17,930)
BLADE CAPACITY						
LH2**		m ³ (yd ³)	0.76 (0.99)	0.89 (1.16)	1.80 (2.35)	1.83 (2.39)
SAE			0.57 (0.75)	0.68 (0.89)	1.61 (2.11)	1.61 (2.11)
DIMENSION*						
A	Overall length	mm (ft.in)	3250 (10'8")	3260 (10'8")	4175 (13'8")	4155 (13'8")
B	Overall width	mm (ft.in)	2170 (7'11")	2560 (8'5")	2550 (8'4")	3250 (10'8")
C	Overall height	mm (ft.in)	2315 (7'7")	2335 (7'8")	2760 (9'1")	2760 (9'1")
C'	Overall height	mm (ft.in)	-	-	-	-
	Ground pressure	kg/cm ² (PSI)	0.37 (5.26)	0.24 (3.41)	0.44 (6.26)	0.31 (4.41)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	550 (1,210)	580 (1280)	1100 (2,430)	1220 (2,690)
	Length	mm (ft.in)	2170 (7'11")	2560 (8'5")	2550 (8'4")	3250 (10'8")
	Height	mm (ft.in)	590 (1'11")	590 (1'11")	840 (2'9")	750 (2'6")
D	Max. lift above ground	mm (ft.in)	790 (2'7")	850 (2'9")	870 (2'10")	860 (2'10")
E	Max. drop below ground	mm (ft.in)	385 (1'3")	325 (1'1")	390 (1'3")	380 (1'3")
F	Max. tilting adjustment	mm (ft.in)	250 (9'8")	280 (11")	350 (1'2")	440 (1'5")
	Angling angle (L/R)	degree	25/25	25/25	25/25	25/25
UPPER ATTACHMENT			-	-	ROPS canopy	ROPS canopy

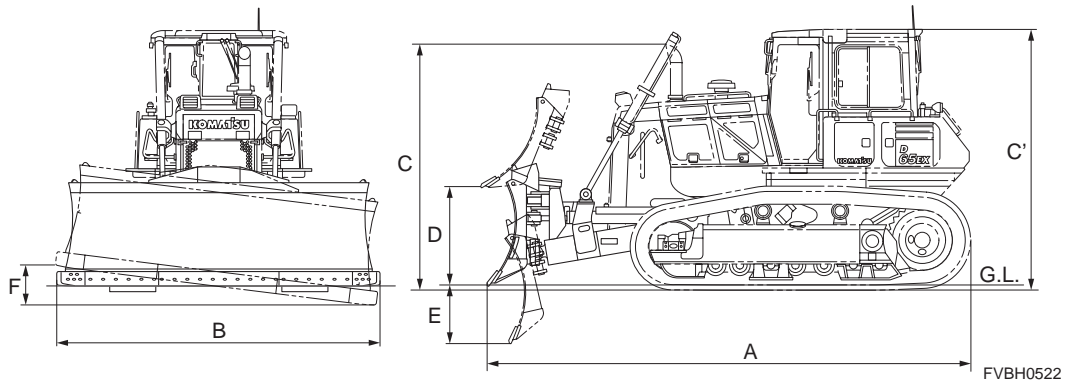
Item		Model	D37EX-24	D37PX-24	D37PX-24	D37EX-23
OPERATING WEIGHT*		kg (lb)	9000 (19,840)	9300 (20,500)	9265 (20,430)	8560 (18,870)
BLADE CAPACITY						
LH2**		m ³ (yd ³)	2.03 (2.66)	2.23 (2.92)	2.00 (2.62)	2.03 (2.66)
SAE			1.91 (2.50)	2.13 (2.79)	1.95 (2.55)	1.91 (2.50)
DIMENSION*						
A	Overall length	mm (ft.in)	4275 (14'0")	4275 (14'0")	4275 (14'0")	4275 (14'0")
B	Overall width	mm (ft.in)	2710 (8'11")	3200 (10'6")	2875 (9'5")	2710 (8'11")
C	Overall height	mm (ft.in)	-	-	-	-
C'	Overall height	mm (ft.in)	2775 (9'1")	2775 (9'1")	2775 (9'1")	2775 (9'1")
	Ground pressure	kg/cm ² (PSI)	0.49 (6.93)	0.35 (4.94)	0.35 (4.92)	0.48 (6.82)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Narrow blade Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1060 (2,340)	1130 (2,490)	1095 (2,410)	1080 (2,380)
	Length	mm (ft.in)	2710 (8'11")	3200 (10'6")	2875 (9'5")	2710 (8'11")
	Height	mm (ft.in)	865 (2'10")	835 (2'9")	835 (2'9")	865 (2'10")
D	Max. lift above ground	mm (ft.in)	800 (2'7")	800 (2'7")	800 (2'7")	890 (2'11")
E	Max. drop below ground	mm (ft.in)	380 (1'3")	380 (1'3")	380 (1'3")	380 (1'3")
F	Max. tilting adjustment	mm (ft.in)	370 (1'3")	435 (1'5")	390 (1'3")	370 (1'3")
	Angling angle (L/R)	degree	24/24	24/24	24/24	24/24
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

Blade Specifications Power Angle Tilt Dozer

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Item		Model	D37PX-23	D37PX-23	D37EX-22	D37PX-22
			kg (lb)	8860 (19,530)	8820 (19,440)	7890 (17,400)
OPERATING WEIGHT*		kg (lb)	8860 (19,530)	8820 (19,440)	7890 (17,400)	8240 (18,170)
BLADE CAPACITY		LH2**	2.23 (2.92)	2.00 (2.62)	2.00 (2.62)	2.24 (3.52)
		SAE	2.13 (2.79)	1.95 (2.55)	1.77 (2.32)	1.95 (2.55)
DIMENSION*						
A	Overall length	mm (ft.in)	4275 (14'0")	4275 (14'0")	4190 (13'9")	4175 (13'8")
B	Overall width	mm (ft.in)	3200 (10'6")	2875 (9'5")	2710 (8'11")	3250 (10'8")
C	Overall height	mm (ft.in)	2775 (9'1")	2775 (9'1")	2760 (9'1")	2760 (9'1")
C'	Overall height	mm (ft.in)	-	-	-	-
	Ground pressure	kg/cm ² (PSI)	0.33 (4.71)	0.33 (4.69)	0.44 (6.26)	0.31 (4.41)
DOZER EQUIPMENT						
	Type		Inside mount	Narrow blade Inside mount	Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1120 (2,470)	1080 (2,380)	1180 (2,600)	1250 (2,760)
	Length	mm (ft.in)	3200 (10'6")	2875 (9'5")	2710 (8'11")	3250 (10'8")
	Height	mm (ft.in)	835 (2'9")	835 (2'9")	860 (2'10")	830 (2'9")
D	Max. lift above ground	mm (ft.in)	890 (2'11")	890 (2'11")	880 (2'11")	870 (2'10")
E	Max. drop below ground	mm (ft.in)	380 (1'3")	380 (1'3")	400 (1'4")	390 (1'3")
F	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	435 (1'5") 24/24	390 (1'3") 24/24	370 (1'3") 25/25	440 (1'5") 25/25
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS canopy	ROPS canopy

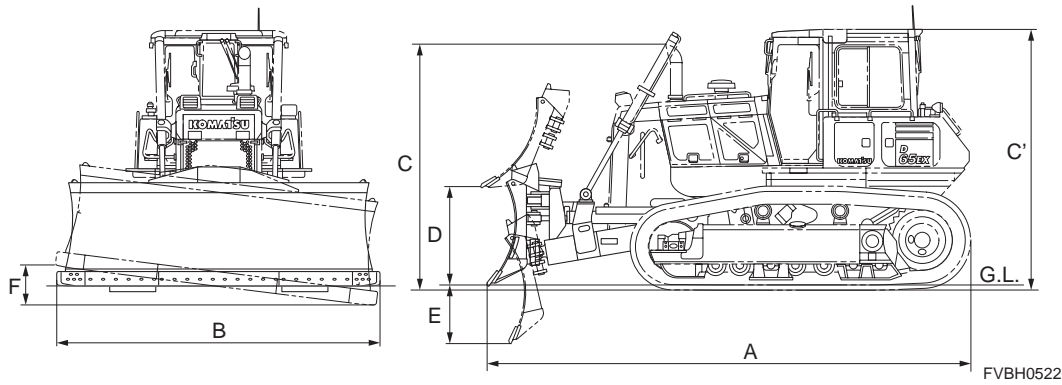
Item		Model	D39EX-24	D39PX-24	D39PX-24	D39EX-23
			kg (lb)	9930 (21,890)	10370 (22,860)	10325 (22,760)
OPERATING WEIGHT*		kg (lb)	9930 (21,890)	10370 (22,860)	10325 (22,760)	9270 (20,440)
BLADE CAPACITY		LH2**	2.60 (3.40)	2.69 (3.52)	2.69 (3.52)	2.60 (3.40)
		SAE	2.21 (2.89)	2.40 (3.14)	2.22 (2.90)	2.21 (2.89)
DIMENSION*						
A	Overall length	mm (ft.in)	4385 (14'5")	4385 (14'5")	4385 (14'5")	4385 (14'5")
B	Overall width	mm (ft.in)	2710 (8'11")	3250 (10'8")	2980 (9'9")	2710 (8'11")
C	Overall height	mm (ft.in)	-	-	-	-
C'	Overall height	mm (ft.in)	2845 (9'4")	2845 (9'4")	2845 (9'4")	2775 (9'1")
	Ground pressure	kg/cm ² (PSI)	0.46 (6.55)	0.35 (4.94)	0.35 (4.92)	0.43 (6.11)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Narrow blade Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1140 (2,510)	1230 (2,670)	1185 (2,610)	1110 (2,450)
	Length	mm (ft.in)	2710 (8'11")	3250 (10'8")	2980 (9'9")	2710 (8'11")
	Height	mm (ft.in)	980 (3'3")	910 (3'0")	910 (3'0")	980 (3'3")
D	Max. lift above ground	mm (ft.in)	820 (2'8")	820 (2'8")	820 (2'8")	910 (3'0")
E	Max. drop below ground	mm (ft.in)	440 (1'5")	440 (1'5")	440 (1'5")	450 (1'6")
F	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	365 (1'2") 25/25	440 (1'5") 25/25	405 (1'4") 25/25	365 (1'2") 25/25
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

Blade Specifications Power Angle Tilt Dozer

BULLDOZERS



Item		Model	D39EX-23	D39PX-23	D39EX-22	D39PX-22
OPERATING WEIGHT*		kg (lb)	9270 (20,440)	9690 (21,360)	9040 (19,930)	9480 (20,900)
BLADE CAPACITY						
LH2**		m ³ (yd ³)	2.60 (3.40)	2.69 (3.52)	2.60 (3.40)	2.69 (3.52)
SAE			2.21 (2.89)	2.40 (3.14)	2.21 (2.89)	2.30 (3.00)
DIMENSION*						
A	Overall length	mm (ft.in)	4385 (14'5")	4385 (14'5")	4335 (14'3")	4335 (13'3")
B	Overall width	mm (ft.in)	2710 (8'11")	3250 (10'8")	2710 (8'11")	3250 (10'8")
C	Overall height	mm (ft.in)	-	-	-	-
C'	Overall height	mm (ft.in)	2775 (9'1")	2775 (9'1")	2835 (9'4"9)	2835 (9'4"9)
	Ground pressure	kg/cm ² (PSI)	0.43 (6.11)	0.33 (4.69)	0.42 (5.97)	0.32 (4.55)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1110 (2,450)	1160 (2,560)	1240 (2,730)	1320 (2,910)
	Length	mm (ft.in)	2710 (8'11")	3250 (10'8")	2710 (8'11")	3350 (11'0")
	Height	mm (ft.in)	980 (3'3")	910 (3'0")	980 (3'3")	910 (3'0")
D	Max. lift above ground	mm (ft.in)	910 (3'0")	910 (3'0")	900 (2'11")	900 (2'11")
E	Max. drop below ground	mm (ft.in)	450 (1'6")	450 (1'6")	450 (1'6")	450 (1'6")
F	Max. tilting adjustment	mm (ft.in)	365 (1'2")	440 (1'5")	370 (1'3")	440 (1'5")
	Angling angle (L/R)	degree	25/25	25/25	25/25	25/25
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS canopy	ROPS canopy

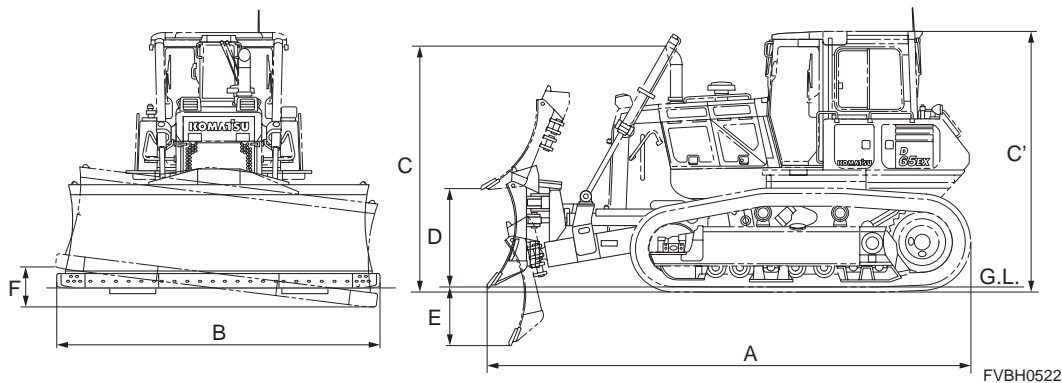
Item		Model	D51EX-24	D51EX-24	D51PX-24	D51EX-22 ⁴
OPERATING WEIGHT*		kg (lb)	13700 (30,200)	13760 (30,340)	14110 (31,110)	12600 (27,780)
BLADE CAPACITY						
LH2**		m ³ (yd ³)	3.82 (5.0)	4.13 (5.4)	4.59 (6.0)	3.75 (4.9)
SAE			2.7 (3.5)	2.90 (3.8)	3.4 (4.4)	2.7 (3.5)
DIMENSION*						
A	Overall length	mm (ft.in)	4800 (15'9")	4800 (15'9")	4850 (15'11")	4800 (15'9")
B	Overall width	mm (ft.in)	3045 (10'0")	3350 (11'0")	3350 (11'0")	3045 (10'0")
C	Overall height	mm (ft.in)	-	-	-	-
C'	Overall height	mm (ft.in)	3015 (9'11")	3015 (9'11")	3015 (9'11")	2995 (9'10")
	Ground pressure	kg/cm ² (PSI)	0.45 (6.46)	0.45 (6.46)	0.37 (5.20)	0.45 (6.40)
DOZER EQUIPMENT						
	Type		Inside mount	Wide blade Inside mount	Wide blade Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	1650 (3,640)	1710 (3,770)	1710 (3,770)	1500 (3,310)
	Length	mm (ft.in)	3045 (10'0")	3350 (11'0")	3350 (11'0")	3045 (10'0")
	Height	mm (ft.in)	1120 (3'8")	1120 (3'8")	1170 (3'10")	1110 (3'8")
D	Max. lift above ground	mm (ft.in)	1015 (3'4")	1015 (3'4")	1035 (3'5")	1105 (3'8")
E	Max. drop below ground	mm (ft.in)	455 (1'6")	460 (1'6")	475 (1'7")	460 (1'6")
F	Max. tilting adjustment	mm (ft.in)	425 (1'5")	470 (1'6")	470 (1'7")	460 (1'6")
	Angling angle (L/R)	degree	29/29	29/29	29/29	28.5/28.5
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

Blade Specifications Power Angle Tiltdozer

BULLDOZERS



Item		Model	D51EX-22*4	D51PX-22*4	D61EX-24	D61PX-24	
OPERATING WEIGHT*		kg (lb)	12700 (28,000)	13100 (28,880)	18520 (40,830)	19460 (42,900)	
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	4.13 (5.4) 2.9 (3.8)	4.13 (5.4) 2.9 (3.8)	4.64 (6.07) 3.40 (4.45)	5.15 (6.74) 3.80 (4.97)
DIMENSION*							
A	Overall length	mm (ft.in)	4800 (15'9")	4800 (15'9")	5480 (18'0")	5480 (18'0")	
B	Overall width	mm (ft.in)	3350 (11'0")	3350 (11'0")	3250 (10'8")	3860 (12'8")	
C	Overall height	mm (ft.in)	-	-	-	-	
C'	Overall height	mm (ft.in)	2995 (9'10")	2995 (9'10")	3180 (10'5")	3180 (10'5")	
	Ground pressure	kg/cm ² (PSI)	0.45 (6.45)	0.34 (4.78)	0.49 (6.93)	0.36 (5.09)	
DOZER EQUIPMENT							
D E F	Type		Wide blade Inside mount	Inside mount	Inside mount	Wide blade Inside mount	
	Weight (Includes hydraulic control unit)	kg (lb)	1600 (3,530)	1600 (3,530)	2170 (4,780)	2320 (5,110)	
	Length	mm (ft.in)	3350 (11'0")	3350 (11'0")	3250 (10'8")	3860 (12'8")	
	Height	mm (ft.in)	1110 (3'8")	1110 (3'8")	1195 (3'11")	1155 (3'9")	
	Max. lift above ground	mm (ft.in)	1105 (3'8")	1105 (3'8")	1025 (3'4")	1025 (3'4")	
	Max. drop below ground	mm (ft.in)	460 (1'6")	460 (1'6")	580 (1'11")	580 (1'11")	
	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	505 (1'8") 28.5/28.5	505 (1'8") 28.5/28.5	435 (1'5") 24/24	515 (1'8") 24/24	
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab	

Item		Model	D61PX-24	D61EX-23	D61EX-23M0*4	D61PX-23	
OPERATING WEIGHT*		kg (lb)	19720 (43,470)	17700 (39,020)	19770 (43,580)	18580 (40,960)	
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	5.15 (6.74) 3.80 (4.97)	4.64 (6.07) 3.40 (4.45)	5.15 (6.74) 3.80 (4.97)	5.15 (6.74) 3.80 (4.97)
DIMENSION*							
A	Overall length	mm (ft.in)	5480 (18'0")	5480 (18'0")	5480 (18'0")	5480 (18'0")	
B	Overall width	mm (ft.in)	3860 (12'8")	3250 (10'8")	3860 (12'8")	3860 (12'8")	
C	Overall height	mm (ft.in)	-	-	-	-	
C'	Overall height	mm (ft.in)	3180 (10'5")	3180 (10'5")	3180 (10'5")	3180 (10'5")	
	Ground pressure	kg/cm ² (PSI)	0.36 (5.15)	0.47 (6.68)	0.52 (7.40)	0.34 (4.83)	
DOZER EQUIPMENT							
D E F	Type		Foldable blade Inside mount	Inside mount	Inside mount	Inside mount	
	Weight (Includes hydraulic control unit)	kg (lb)	2580 (5,690)	2170 (4,780)	2400 (5,290)	2330 (5,140)	
	Length	mm (ft.in)	3860 (12'8")	3250 (10'8")	3860 (12'8")	3860 (12'8")	
	Height	mm (ft.in)	1155 (3'9")	1195 (3'11")	1155 (3'9")	1155 (3'9")	
	Max. lift above ground	mm (ft.in)	1025 (3'4")	1025 (3'4")	1025 (3'4")	1025 (3'4")	
	Max. drop below ground	mm (ft.in)	580 (1'11")	580 (1'11")	580 (1'11")	580 (1'11")	
	Max. tilting adjustment Angling angle (L/R)	mm (ft.in) degree	515 (1'8") 24/24	435 (1'5") 24/24	515 (1'8") 24/24	515 (1'8") 24/24	
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab	

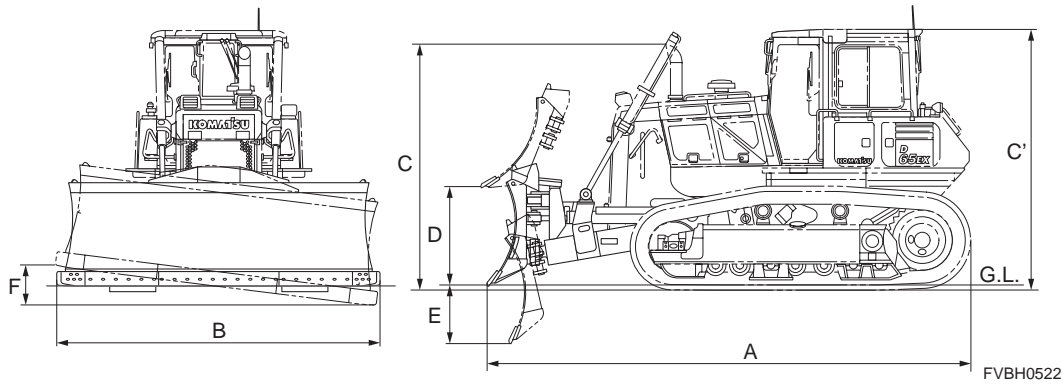
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

*4 : Brazil source

Blade Specifications Power Angle Tiltdozer

BULLDOZERS



FVBH0522

Item		Model	D65EX-18	D65PX-18	D65WX-18	D65EX-17
OPERATING WEIGHT*		kg (lb)	22420 (49,430)	22640 (49,910)	23340 (51,460)	21160 (46,650)
BLADE CAPACITY						
LH2**		m ³ (yd ³)	5.90 (7.72)	6.12 (8.00)	6.12 (8.00)	5.90 (7.72)
SAE			4.25 (5.56)	4.42 (5.78)	4.42 (5.78)	4.25 (5.56)
DIMENSION*						
A	Overall length	mm (ft.in)	5790 (19'0")	5790 (19'0")	5790 (19'0")	5790 (19'0")
B	Overall width	mm (ft.in)	3870 (12'8")	4010 (13'2")	4010 (13'2")	3870 (12'8")
C	Overall height	mm (ft.in)	2965 (9'9")	2965 (9'9")	2965 (9'9")	3080 (10'1")
C'	Overall height	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3155 (10'4")
	Ground pressure	kg/cm ² (PSI)	0.66 (9.33)	0.45 (6.40)	0.50 (7.11)	0.63 (8.96)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Inside mount	Inside mount
	Weight (Includes hydraulic control unit)	kg (lb)	3010 (6,640)	3040 (6,700)	3040 (6,700)	2960 (6,530)
	Length	mm (ft.in)	3870 (12'8")	4010 (13'2")	4010 (13'2")	3870 (12'8")
	Height	mm (ft.in)	1235 (4'1")	1235 (4'1")	1235 (4'1")	1235 (4'1")
D	Max. lift above ground	mm (ft.in)	1165 (3'10")	1165 (3'10")	1165 (3'10")	1165 (3'10")
E	Max. drop below ground	mm (ft.in)	700 (2'4")	700 (2'4")	700 (2'4")	700 (2'4")
F	Max. tilting adjustment	mm (ft.in)	500 (1'8")	520 (1'8")	520 (1'8")	500 (1'8")
	Angling angle (L/R)	degree	25/25	25/25	25/25	25/25
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

Item		Model	D65PX-17	D65EX-16	D65PX-16	D85EX-15E0 ^{*5} D85EX-15R ^{*5}
OPERATING WEIGHT*		kg (lb)	22030 (48,570)	20990 (46,270)	21860 (48,190)	24970 (55,050) 24870 (54,830)
BLADE CAPACITY						
LH2**		m ³ (yd ³)	6.12 (8.00)	5.90 (7.72)	5.90 (7.72)	5.77 (7.55)
SAE			4.42 (5.78)	4.25 (5.56)	4.42 (5.78)	4.0 (5.2)
DIMENSION*						
A	Overall length	mm (ft.in)	5790 (19'0")	5790 (19'0")	5790 (19'0")	6035 (19'10")
B	Overall width	mm (ft.in)	4010 (13'2")	3870 (12'8")	4010 (13'2")	4515 (14'10")
C	Overall height	mm (ft.in)	3080 (10'1")	3080 (10'1")	3080 (10'1")	3330 (10'11")
C'	Overall height	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3163 (10'5")
	Ground pressure	kg/cm ² (PSI)	0.37 (5.26)	0.63 (8.96)	0.44 (6.26)	0.73 (10.38) 0.73 (10.38)
DOZER EQUIPMENT						
	Type		Inside mount	Inside mount	Inside mount	Outside mount
	Weight (Includes hydraulic control unit)	kg (lb)	2990 (6,590)	2960 (6,530)	2990 (6,590)	3754 (8,276)
	Length	mm (ft.in)	4010 (13'2")	3870 (12'8")	4010 (13'2")	4515 (14'10")
	Height	mm (ft.in)	1235 (4'1")	1235 (4'1")	1235 (4'1")	1130 (3'11")
D	Max. lift above ground	mm (ft.in)	1165 (3'10")	1165 (3'10")	1165 (3'10")	1173 (3'10")
E	Max. drop below ground	mm (ft.in)	700 (2'4")	700 (2'4")	700 (2'4")	760 (2'6")
F	Max. tilting adjustment	mm (ft.in)	520 (1'8")	500 (1'8")	520 (1'8")	520 (1'8")
	Angling angle (L/R)	degree	25/25	25/25	25/25	25/25
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	-

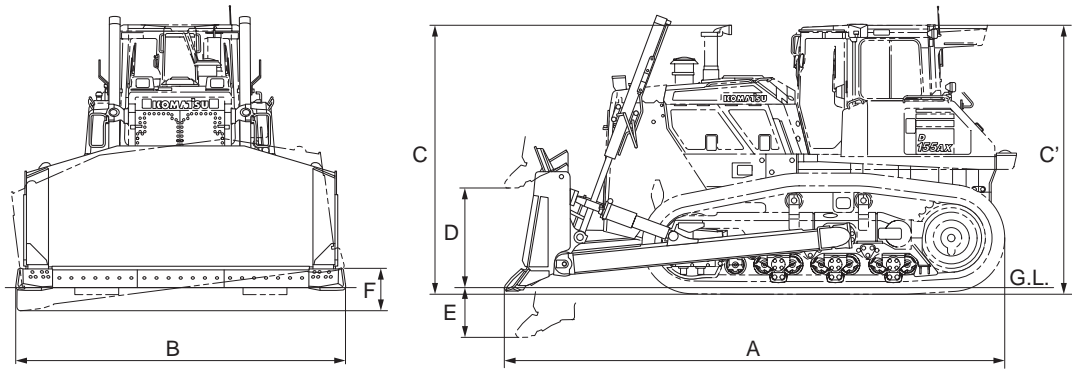
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

*5 : Mechanical angle-tilt dozer

Blade Specifications Semi-U Tiltadozer, Dual Semi-U Tiltadozer

BULLDOZERS



FVBH0524

Item		Model	D61EX-15E0	D63E-12	D65E-12	D65EX-18 ⁶	
OPERATING WEIGHT*		kg (lb)	16350 (36,050)	16705 (36,830)	18500 (40,780)	20795 (45,840)	
BLADE CAPACITY		LH ^{2**} SAE	m ³ (yd ³)	5.4 (7.1) 4.3 (5.6)	5.4 (7.1) 4.4 (5.6)	6.8 (8.9) 5.6 (7.3)	7.0 (9.16) 5.61 (7.34)
DIMENSION*							
A	Overall length	mm (ft.in)	5050 (16'7")	5260 (17'3")	5440 (17'10")	5305 (17'5")	
B	Overall width	mm (ft.in)	3175 (10'5")	3200 (10'6")	3460 (11'4")	3470 (11'5")	
C	Overall height	mm (ft.in)	2945 (8'2")	2700 (8'10")	2990 (9'10")	2970 (9'9")	
C'	Overall height	mm (ft.in)	-	-	-	3160 (10'4")	
	Ground pressure	kg/cm ² (PSI)	0.52 (7.39)	0.55 (7.8)	0.68 (9.7)	0.57 (8.1)	
DOZER EQUIPMENT							
	Weight (Includes hydraulic control unit)	kg (lb)	2430 (5,360)	2060 (4,540)	2320 (5,115)	2375 (5,240)	
	Length	mm (ft.in)	3175 (10'5")	3200 (10'6")	3460 (11'4")	3470 (11'5")	
	Height	mm (ft.in)	1300 (4'3")	1300 (4'3")	1425 (4'8")	1425 (4'8")	
D	Max. lift above ground	mm (ft.in)	970 (3'2")	1005 (3'4")	1105 (3'8")	1100 (3'7")	
E	Max. drop below ground	mm (ft.in)	545 (1'9")	460 (1'6")	440 (1'5")	440 (1'5")	
F	Max. tilting adjustment Digging angle	mm (ft.in) degree	690 (2'3")	600 (2'3")	855 (2'10")	880 (2'10")	
UPPER ATTACHMENT			-	-	-	ROPS cab	

Item		Model	D65EX-16	D68ESS-12E0	D85ESS-2A	D85EX-18	
OPERATING WEIGHT*		kg (lb)	19360 (42,680)	17040 (37,570)	18530 (40,850)	26880 (59,260)	
BLADE CAPACITY		LH ^{2**} SAE	m ³ (yd ³)	6.8 (8.9) 5.6 (7.3)	5.47 (7.15) 4.4 (5.75)	8.90 (11.64) 6.8 (8.9)	9.1 (11.9) 7.0 (9.2)
DIMENSION*							
A	Overall length	mm (ft.in)	5310 (17'5")	5360 (17'7")	5770 (18'11")	5540 (18'2")	
B	Overall width	mm (ft.in)	3460 (11'4")	3235 (10'7")	3640 (11'11")	3635 (11'11")	
C	Overall height	mm (ft.in)	3080 (10'1")	2305 (7'7")	2980 (9'9")	3290 (10'10")	
C'	Overall height	mm (ft.in)	3155 (10'4")	-	-	3320 (10'11")	
	Ground pressure	kg/cm ² (PSI)	0.64 (9.1)	0.48 (6.78)	0.61 (8.67)	0.79 (11.2)	
DOZER EQUIPMENT							
	Weight (Includes hydraulic control unit)	kg (lb)	2320 (5,115)	2060 (4,540)	3110 (6,860)	3180 (7,010)	
	Length	mm (ft.in)	3460 (11'4")	3235 (10'7")	3640 (11'11")	3635 (11'11")	
	Height	mm (ft.in)	1425 (4'8")	1300 (4'3")	1565 (5'2")	1605 (5'3")	
D	Max. lift above ground	mm (ft.in)	1110 (3'8")	1130 (3'8")	1070 (3'6")	1175 (3'10")	
E	Max. drop below ground	mm (ft.in)	440 (1'5")	460 (1'6")	590 (1'11")	530 (1'9")	
F	Max. tilting adjustment Digging angle	mm (ft.in) degree	930 (3'1")	460 (1'6")	460 (1'6")	735 (2'5") 52	
UPPER ATTACHMENT			ROPS cab	-	-	ROPS cab	

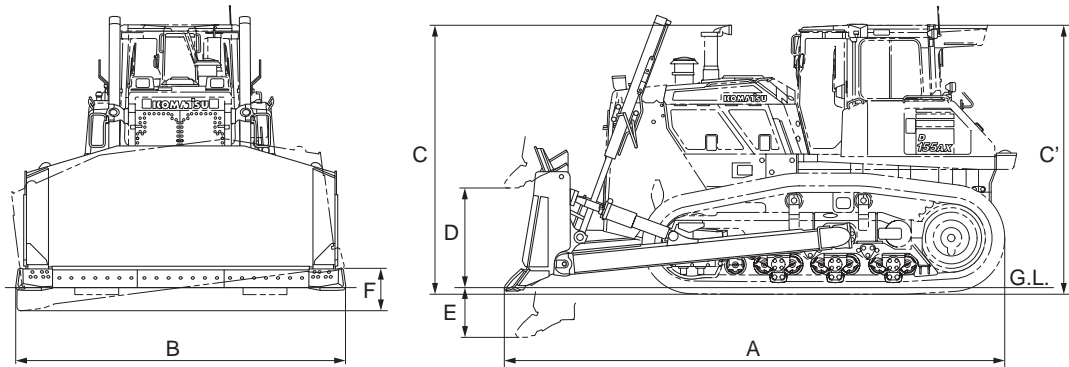
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

⁶ : for USA

Blade Specifications Semi-U Tiltadozer, Dual Semi-U Tiltadozer

BULLDOZERS



FVBH0524

Item		Model	D85EX-18 ^{*4}	D85EX-15E0 D85EX-15R	D155A-6	D155A-5
OPERATING WEIGHT*		kg (lb)	27480 (60,580)	24820 (54,720) 24720 (54,500)	37260 (82,140) 37920(83,600) ^{*4}	32800 (72,310)
BLADE CAPACITY LH ^{2**} SAE		m ³ (yd ³)	9.1 (11.9) 7.0 (9.2)	9.07 (11.87) 7.0 (9.2)	13.2 (17.3) 9.4 (12.3)	11.7 (15.3) 8.8 (11.5)
DIMENSION*						
A	Overall length	mm (ft.in)	5540 (18'2")	5795 (19)	6010 (19'9")	6300 (20'8")
B	Overall width	mm (ft.in)	3635 (11'11")	3635 (11'11")	4130 (13'7")	3955 (13)
C	Overall height	mm (ft.in)	3290 (10'10")	3330 (10'11")	3385 (11'1")	3395 (11'2")
C'	Overall height	mm (ft.in)	3320 (10'11")	3163 (10'5")	3395 (11'2")	-
	Ground pressure	kg/cm ² (PSI)	0.80 (11.4)	0.73 (10.32)	1.06 (15.07) 1.07 (15.22) ^{*4}	0.91 (12.94)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	3780 (8,330)	3599 (7,930)	4960 (10,930)	4900 (10,800)
	Length	mm (ft.in)	3635 (11'11")	3635 (11'11")	4130 (13'7")	3955 (13')
	Height	mm (ft.in)	1605 (5'3")	1580 (5'2")	1790 (5'10")	1720 (5'8")
D	Max. lift above ground	mm (ft.in)	1175 (3'10")	1210 (4')	1250 (4'1")	1250 (4'1")
E	Max. drop below ground	mm (ft.in)	530 (1'9")	540 (1'9")	590 (1'11")	590 (1'11")
F	Max. tilting adjustment	mm (ft.in)	735 (2'5")	735 (2'5")	950 (3'1")	1000 (3'3")
	Digging angle	degree	52	52	52	52
UPPER ATTACHMENT			ROPS cab	-	-	-

Item		Model	D155AX-8	D155AX-8 ^{***}	D155AX-8 ^{*4}	D155AX-8 ^{*5}
OPERATING WEIGHT*		kg (lb)	37660 (83,030)	38150 (84,110)	38060 (83,910)	38550 (84,990)
BLADE CAPACITY LH ^{2**} SAE		m ³ (yd ³)	13.2 (17.3) 9.4 (12.3)	13.2 (17.3) 9.4 (12.3)	13.2 (17.3) 9.4 (12.3)	13.2 (17.3) 9.4 (12.3)
DIMENSION*						
A	Overall length	mm (ft.in)	6365 (20'11")	6365 (20'11")	6365 (20'11")	6365 (20'11")
B	Overall width	mm (ft.in)	4130 (13'7")	4130 (13'7")	4130 (13'7")	4130 (13'7")
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")	3385 (11'1")	3385 (11'1")
C'	Overall height	mm (ft.in)	3390 (11'1")	3390 (11'1")	3390 (11'1")	3390 (11'1")
	Ground pressure	kg/cm ² (PSI)	1.03 (14.6)	1.04 (14.8)	1.04 (14.8)	1.05 (14.9)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	5010 (11,050)	5500 (12,130)	5410 (11,930)	5900 (13,010)
	Length	mm (ft.in)	4130 (13'7")	4130 (13'7")	4130 (13'7")	4130 (13'7")
	Height	mm (ft.in)	1790 (5'10")	1790 (5'10")	1790 (5'10")	1790 (5'10")
D	Max. lift above ground	mm (ft.in)	1315 (4'4")	1315 (4'4")	1315 (4'4")	1315 (4'4")
E	Max. drop below ground	mm (ft.in)	600 (2'0")	600 (2'0")	600 (2'0")	600 (2'0")
F	Max. tilting adjustment	mm (ft.in)	505 (1'8")	880 (2'11")	505 (1'8")	880 (2'11")
	Digging angle	degree	52	52	52	52
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

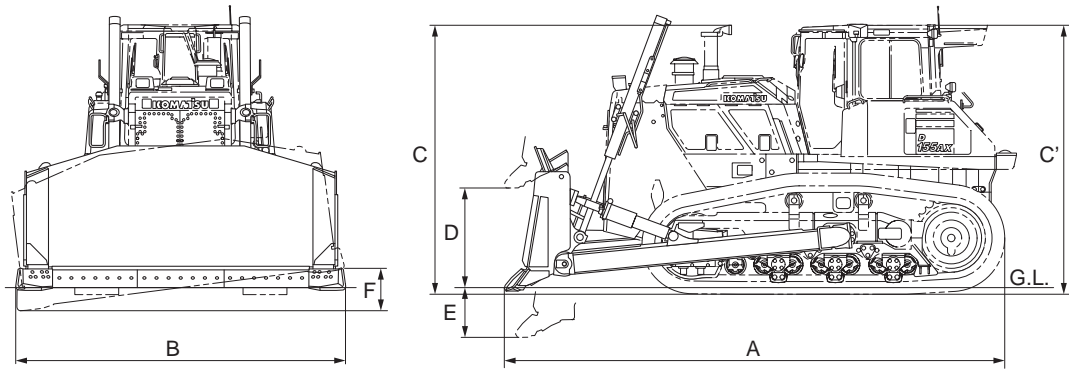
*** : Dual tilt simi-U

*4 : Strengthened semi-U

*5 : Strengthened dual tilt simi-U

Blade Specifications Semi-U Tiltadozer, Dual Semi-U Tiltadozer

BULLDOZERS



FVBH0524

Item		Model	D155AX-7	D155AX-6	D275AX-5E0 D275A-5R	D275AX-5E0*** D275A-5R***
OPERATING WEIGHT*		kg (lb)	36660 (80,820)	35960 (79,280) 36620 (80,730) ^{*4}	45190 (99,630) 46240 (101,940) ^{*4}	45270 (99,800)
BLADE CAPACITY LH ^{2**} SAE		m ³ (yd ³)	13.2 (17.3) 9.4 (12.3)	13.23 (17.31) 9.4 (12.3)	16.5 (21.6) 13.7 (17.9)	16.5 (21.6) 13.7 (17.9)
DIMENSION*						
A	Overall length	mm (ft.in)	6275 (20'7")	6175 (20'3")	6930 (22'9")	6930 (22'9")
B	Overall width	mm (ft.in)	4130 (13'7")	4130 (13'7")	4300 (14'1")	4300 (14'1")
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")	3915 (12'10")	3915 (12'10")
C'	Overall height	mm (ft.in)	3390 (11'1")	3395 (11'2")	3835 (12'7")	3835 (12'7")
	Ground pressure	kg/cm ² (PSI)	1.0 (14.2)	1.00 (14.2) ^{*4}	1.09 (15.5) ^{*4}	1.07 (15.2)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	4960 (10,940)	4960 (10,936) 5620 (12,390) ^{*4}	7510 (16,550) 8560 (18,870)	7595 (16,740)
	Length	mm (ft.in)	4130 (13'7")	4130 (13'7")	4300 (14'1")	4300 (14'1")
	Height	mm (ft.in)	1790 (5'10")	1790 (5'10")	1960 (6'5")	1960 (6'5")
D	Max. lift above ground	mm (ft.in)	1255 (4'1")	1255 (4'1")	1450 (4'9")	1450 (4'9")
E	Max. drop below ground	mm (ft.in)	593 (1'11")	593 (1'11")	640 (2'1")	640 (2'1")
F	Max. tilting adjustment	mm (ft.in)	890 (2'11")	953 (3')	1000 (3'3")	1140 (3'9")
	Digging angle	degree	52	52	52	52
UPPER ATTACHMENT			ROPS cab	-	-	-

Item		Model	D375A-8	D375A-8 ^{*4}	D375A-8***	D375A-8 ^{*5}
OPERATING WEIGHT*		kg (lb)	67100 (147,930)	67670 (149,190)	67260 (148,280)	67830 (149,540)
BLADE CAPACITY LH ^{2**} SAE		m ³ (yd ³)	30.4 (39.8) 18.5 (24.2)	30.4 (39.8) 18.5 (24.2)	30.4 (39.8) 18.5 (24.2)	30.4 (39.8) 18.5 (24.2)
DIMENSION*						
A	Overall length	mm (ft.in)	7855 (25'9")	7855 (25'9")	7855 (25'9")	7855 (25'9")
B	Overall width	mm (ft.in)	4775 (15'8")	4775 (15'8")	4775 (15'8")	4775 (15'8")
C	Overall height	mm (ft.in)	4160 (13'8")	4160 (13'8")	4160 (13'8")	4160 (13'8")
C'	Overall height	mm (ft.in)	4165 (13'8")	4165 (13'8")	4165 (13'8")	4165 (13'8")
	Ground pressure	kg/cm ² (PSI)	1.38 (19.6)	1.39 (19.8)	1.38 (19.6)	1.40 (19.9)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	10710 (23,610)	11280 (24,870)	10870 (25,220)	11440 (25,220)
	Length	mm (ft.in)	4775 (15'8")	4775 (15'8")	4775 (15'8")	4775 (15'8")
	Height	mm (ft.in)	2525 (8'3")	2525 (8'3")	2525 (8'3")	2525 (8'3")
D	Max. lift above ground	mm (ft.in)	1690 (5'7")	1690 (5'7")	1690 (5'7")	1690 (5'7")
E	Max. drop below ground	mm (ft.in)	735 (2'5")	735 (2'5")	735 (2'5")	735 (2'5")
F	Max. tilting adjustment	mm (ft.in)	950 (3'1")	950 (3'1")	1170 (3'10")	1170 (3'10")
	Digging angle	degree	55	55	Std:55, adjustable	Std:55, adjustable
UPPER ATTACHMENT			Steel cab	Steel cab	Steel cab	Steel cab

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

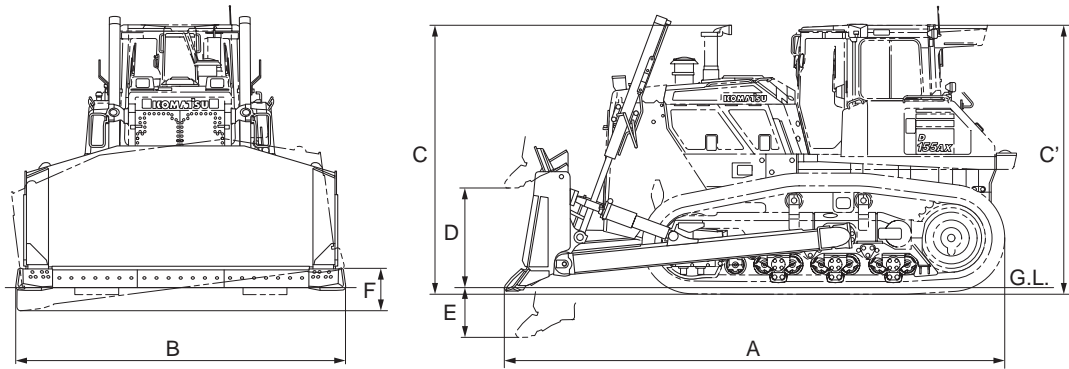
*** : Dual tilt simi-U

*4 : Strengthened semi-U

*5 : Strengthened dual tilt simi-U

Blade Specifications Semi-U Tiltadozer, Dual Semi-U Tiltadozer

BULLDOZERS



FVBH0524

Item		Model	D375A-6R	D375A-6R***	D375A-6	D375A-6***
OPERATING WEIGHT*		kg (lb)	62765 (138,370)	62950 (138,780)	64165 (141,460)	64820 (142,900)
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	24.0 (31.4) 18.5 (24.2)	24.0 (31.4) 18.5 (24.2)	24.0 (31.4) 18.5 (24.2)
DIMENSION*						
A	Overall length	mm (ft.in)	7820 (25'8")	7820 (17240)	7780 (25'6")	7780 (25'6")
B	Overall width	mm (ft.in)	4695 (15'5")	4695 (15'5")	4695 (15'5")	4695 (15'5")
C	Overall height	mm (ft.in)	4215 (13'10")	4215 (13'10")	4265 (14'0")	4265 (14'0")
C'	Overall height	mm (ft.in)	-	-	-	-
	Ground pressure	kg/cm ² (PSI)	1.34 (19.05)	1.34 (19.05)	1.32 (18.77)	1.33 (18.91)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	10965 (24,170)	11150 (24,580)	10965 (24,170)	11620 (25,620)
	Length	mm (ft.in)	4695 (15'5")	4695 (15'5")	4695 (15'5")	4695 (15'5")
	Height	mm (ft.in)	2265 (7'5")	2265 (7'5")	2265 (7'5")	2265 (7'5")
D	Max. lift above ground	mm (ft.in)	1642 (5'5")	1642 (5'5")	1690 (5'7")	1690 (5'7")
E	Max. drop below ground	mm (ft.in)	800 (2'7")	800 (2'7")	735 (2'5")	735 (2'5")
F	Max. tilting adjustment	mm (ft.in)	970 (3'2")	1185 (3'11")	970 (3'2")	1185 (3'11")
	Digging angle	degree	55	55	55	55
UPPER ATTACHMENT			-	-	-	-

Item		Model	D475A-5E0*4	D475A-5E0*5	D575A-3*4	D575A-3*5
OPERATING WEIGHT*		kg (lb)	100090 (220,660)	100540 (221,658)	118240 (260,670)	118810 (261,930)
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	38.1 (49.83) 27.2 (35.6)	38.1 (49.83) 27.2 (35.6)	44.1 (57.7) 34 (44.5)
DIMENSION*						
A	Overall length	mm (ft.in)	8705 (28'7")	8705 (28'7")	9310 (30'7")	9310 (30'7")
B	Overall width	mm (ft.in)	5265 (17'3")	5265 (17'3")	5880 (19'3")	5880 (19'3")
C	Overall height	mm (ft.in)	4546 (14'11")	4546 (14'11")	4495 (14'9")	4495 (14'9")
C'	Overall height	mm (ft.in)	4377 (14'4")	4377 (14'4")	-	-
	Ground pressure	kg/cm ² (PSI)	1.37 (19.48)	1.57 (22.25)	1.72 (24.46)	1.73 (24.6)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	16500 (36,380)	16950 (37,370)	19790 (43,630)	20360 (44,890)
	Length	mm (ft.in)	5265 (17'3")	5265 (17'3")	5880 (19'3")	5880 (19'3")
	Height	mm (ft.in)	2690 (8'10")	2690 (8'10")	2740 (9'0")	2740 (9'0")
D	Max. lift above ground	mm (ft.in)	1620 (5'4")	1620 (5'4")	1850 (6'1")	1850 (6'1")
E	Max. drop below ground	mm (ft.in)	1010 (3'4")	1010 (3'4")	900 (2'11")	900 (2'11")
F	Max. tilting adjustment	mm (ft.in)	770 (2'6")	1145 (3'9")	1380 (4'6")	1640 (5'5")
	Digging angle	degree	-	-	-	-
UPPER ATTACHMENT			-	-	-	-

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

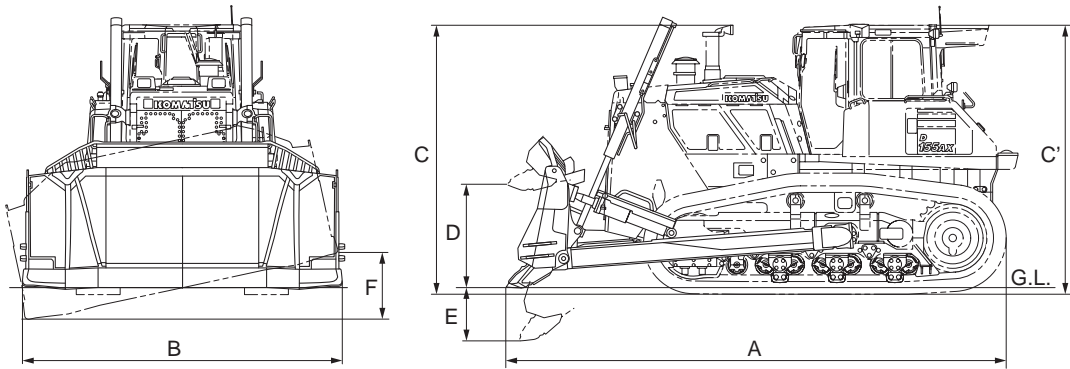
*** : Dual tilt simi-U

*4 : Strengthened semi-U

*5 : Strengthened dual tilt simi-U

Blade Specifications SIGMADOZER, Sigma Power-pitch Dozer

BULLDOZERS



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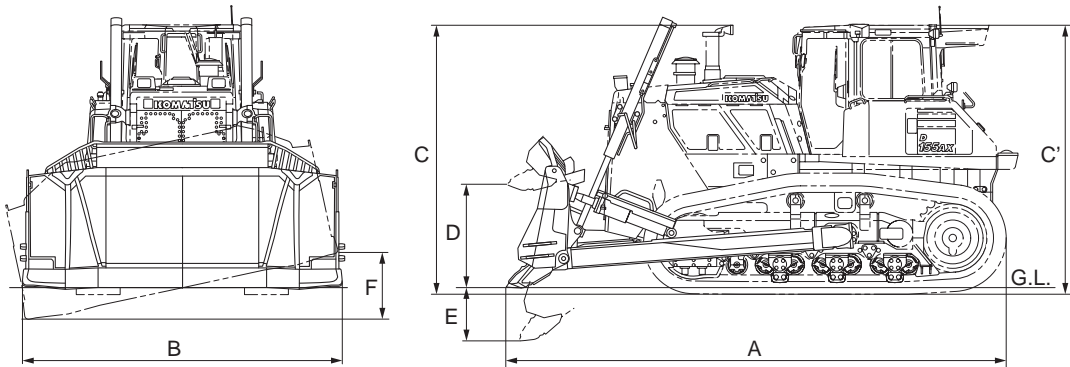
Item		Model	D65EX-18	D65EX-18*6	D65WX-18	D65WX-18*6
OPERATING WEIGHT*		kg (lb)	20970 (46,230)	21030 (46,360)	22340 (49,250)	22370 (49,320)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	6.92 (9.05) 5.61 (7.34)	6.92 (9.05) 5.61 (7.34)	7.27 (9.51) 0.49 (7.01)	7.27 (9.51) 0.49 (7.01)
DIMENSION*						
A	Overall length	mm (ft.in)	5490 (18'0")	5490 (18'0")	5500 (18'1")	5500 (18'1")
B	Overall width	mm (ft.in)	3410 (11'2")	3410 (11'2")	3580 (11'9")	3580 (11'9")
C	Overall height	mm (ft.in)	2965 (9'9")	2965 (9'9")	2965 (9'9")	2965 (9'9")
C'	Overall height	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3155 (10'4")
	Ground pressure	kg/cm ² (PSI)	0.58 (8.20)	0.58 (8.23)	0.49 (7.01)	0.49 (7.01)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2400 (5,290)	2460 (5,420)	2510 (5,530)	2540 (5,600)
	Length	mm (ft.in)	3410 (11'2")	3410 (11'2")	3580 (11'9")	3580 (11'9")
	Height	mm (ft.in)	1425 (4'8")	1425 (4'8")	1425 (4'8")	1425 (4'8")
D	Max. lift above ground	mm (ft.in)	1130 (3'8")	1130 (3'8")	1130 (3'8")	1130 (3'8")
E	Max. drop below ground	mm (ft.in)	505 (1'8")	505 (1'8")	505 (1'8")	505 (1'8")
F	Max. tilting adjustment	mm (ft.in)	870 (2'10")	870 (2'10")	770 (2'6")	770 (2'6")
	Digging angle	degree	46	46	46	46
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

Item		Model	D65EX-17	D65EX-17*6	D65EX-16	D65EX-16*6
OPERATING WEIGHT*		kg (lb)	19680 (43,390)	19730 (43,500)	19510 (43,010)	19560 (43,120)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	6.92 (9.05) 5.61 (7.34)	6.92 (9.05) 5.61 (7.34)	6.92 (9.05) 5.61 (7.34)	6.92 (9.05) 5.61 (7.34)
DIMENSION*						
A	Overall length	mm (ft.in)	5490 (18'0")	5490 (18'0")	5490 (18'0")	5490 (18'0")
B	Overall width	mm (ft.in)	3410 (11'2")	3410 (11'2")	3410 (11'2")	3410 (11'2")
C	Overall height	mm (ft.in)	3080 (10'1")	3080 (10'1")	3080 (10'1")	3080 (10'1")
C'	Overall height	mm (ft.in)	3155 (10'4")	3155 (10'4")	3155 (10'4")	3155 (10'4")
	Ground pressure	kg/cm ² (PSI)	0.65 (9.2)	0.65 (9.2)	0.64 (9.10)	0.64 (9.10)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	2390 (5,270)	2440 (5,380)	2390 (5,270)	2440 (5,380)
	Length	mm (ft.in)	3410 (11'2")	3410 (11'2")	3410 (11'2")	3410 (11'2")
	Height	mm (ft.in)	1425 (4'8")	1425 (4'8")	1425 (4'8")	1425 (4'8")
D	Max. lift above ground	mm (ft.in)	1130 (3'8")	1130 (3'8")	1130 (3'8")	1130 (3'8")
E	Max. drop below ground	mm (ft.in)	505 (1'8")	505 (1'8")	505 (1'8")	505 (1'8")
F	Max. tilting adjustment	mm (ft.in)	870 (2'10")	870 (2'10")	870 (2'10")	870 (2'10")
	Digging angle	degree	46	46	46	46
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab

- * : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
- ** : L: Blade length H: Blade height
- *** : Dual SIGMADOZER
- *4 : Strengthened type
- *5 : Strengthened dual SIGMADOZER
- *6 : Sigma power-pitch dozer

Blade Specifications SIGMADOZER, Sigma Power-pitch Dozer

BULLDOZERS



FVBH0523

Item		Model	D85EX-18	D85EX-18 ⁴	D155A-6	D155A-6 ^{***}	
OPERATING WEIGHT*		kg (lb)	27700 (61,070)	27900 (61,510)	37240 (82,100)	37550 (82,780)	
BLADE CAPACITY		LH2 ^{**} SAE	m ³ (yd ³)	9.91 (13.0) 7.20 (9.42)	9.91 (13.0) 7.20 (9.42)	13.9 (18.17) 9.4 (12.3)	13.9 (18.17) 9.4 (12.3)
DIMENSION*							
A	Overall length	mm (ft.in)	5810 (19'1")	5810 (19'1")	6125 (20'1")	6125 (20'1")	
B	Overall width	mm (ft.in)	3575 (11'9")	3575 (11'9")	4060 (13'4")	4060 (13'4")	
C	Overall height	mm (ft.in)	3290 (10'10")	3290 (10'10")	3385 (11'1")	3385 (11'1")	
C'	Overall height	mm (ft.in)	3320 (10'11")	3320 (10'11")	3395 (11'2")	3395 (11'2")	
	Ground pressure	kg/cm ² (PSI)	0.74 (10.6)	0.75 (10.7)	1.06 (15.07)	1.06 (15.07)	
DOZER EQUIPMENT							
	Weight (Includes hydraulic control unit)	kg (lb)	3830 (8,440)	4030 (8,880)	4940 (10,890)	4940 (10,890)	
	Length	mm (ft.in)	3575 (11'9")	3575 (11'9")	4060 (13'4")	4060 (13'4")	
	Height	mm (ft.in)	1665 (5'6")	1665 (5'6")	1850 (6'1")	1850 (6'1")	
D	Max. lift above ground	mm (ft.in)	1215 (4'0")	1215 (4'0")	1320 (4'4")	1320 (4'4")	
E	Max. drop below ground	mm (ft.in)	590 (1'11")	590 (1'11")	617 (2')	617 (2')	
F	Max. tilting adjustment	mm (ft.in)	700 (2'4")	700 (2'4")	920 (3')	920 (3')	
	Digging angle	degree	46	46	46	46	
UPPER ATTACHMENT			ROPS cab	ROPS cab	-	-	

Item		Model	D155AX-8	D155AX-8 ^{***}	D155AX-8 ⁴	D155AX-8 ⁵	
OPERATING WEIGHT*		kg (lb)	37550 (82,780)	38130 (84,060)	38060 (83,910)	38550 (84,990)	
BLADE CAPACITY		LH2 ^{**} SAE	m ³ (yd ³)	14.3 (18.7) 9.4 (12.3)	14.3 (18.7) 9.4 (12.3)	14.3 (18.7) 9.4 (12.3)	14.3 (18.7) 9.4 (12.3)
DIMENSION*							
A	Overall length	mm (ft.in)	6300 (20'8")	6300 (20'8")	6300 (20'8")	6300 (20'8")	
B	Overall width	mm (ft.in)	4060 (13'4")	4060 (13'4")	4060 (13'4")	4060 (13'4")	
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")	3385 (11'1")	3385 (11'1")	
C'	Overall height	mm (ft.in)	3390 (11'1")	3390 (11'1")	3390 (11'1")	3390 (11'1")	
	Ground pressure	kg/cm ² (PSI)	1.02 (14.6)	1.04 (14.8)	1.04 (14.8)	1.05 (14.9)	
DOZER EQUIPMENT							
	Weight (Includes hydraulic control unit)	kg (lb)	4900 (10,800)	5480 (12,080)	5410 (11,930)	5900 (13,010)	
	Length	mm (ft.in)	4060 (13'4")	4060 (13'4")	4060 (13'4")	4060 (13'4")	
	Height	mm (ft.in)	1880 (6'2")	1880 (6'2")	1880 (6'2")	1880 (6'2")	
D	Max. lift above ground	mm (ft.in)	1315 (4'4")	1315 (4'4")	1315 (4'4")	1315 (4'4")	
E	Max. drop below ground	mm (ft.in)	680 (2'3")	680 (2'3")	680 (2'3")	680 (2'3")	
F	Max. tilting adjustment	mm (ft.in)	870 (2'10")	870 (2'10")	870 (2'10")	870 (2'10")	
	Digging angle	degree	50	50	50	50	
UPPER ATTACHMENT			ROPS cab	ROPS cab	ROPS cab	ROPS cab	

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

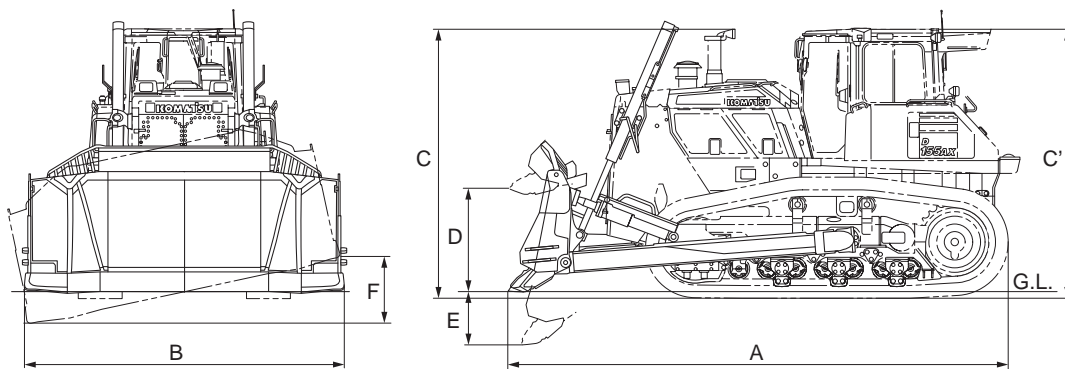
*** : Dual SIGMADOZER

*4 : Strengthened type

*5 : Strengthened dual SIGMADOZER

Blade Specifications SIGMADOZER, Sigma Power-pitch Dozer

BULLDOZERS



FVBH0523

Item		Model	D155AX-7***	D155AX-7*5	D155AX-6	D155AX-6***
OPERATING WEIGHT*		kg (lb)	36640 (80,780)	37060 (81,700)	35940 (79,240)	35940 (79,240)
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	13.2 (17.3) 9.4 (12.3)	13.2 (17.3) 9.4 (12.3)	13.9 (18.17) 9.4 (12.3)
DIMENSION*						
A	Overall length	mm (ft.in)	6225 (20'5")	6225 (20'5")	6125 (20'1")	6125 (20'1")
B	Overall width	mm (ft.in)	4060 (13'4")	4060 (13'4")	4060 (13'4")	4060 (13'4")
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")	3385 (11'1")	3385 (11'1")
C'	Overall height	mm (ft.in)	3390 (11'1")	3390 (11'1")	3395 (11'2")	3395 (11'2")
	Ground pressure	kg/cm ² (PSI)	1.0 (14.2)	1.0 (14.2)	0.98 (13.92)	0.98 (13.92)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	4940 (10,890)	5360 (11,820)	4940 (10,890)	4940 (10,890)
	Length	mm (ft.in)	4060 (13'4")	4060 (13'4")	4060 (13'4")	4060 (13'4")
	Height	mm (ft.in)	1850 (6'1")	1850 (6'1")	1850 (6'1")	1850 (6'1")
D	Max. lift above ground	mm (ft.in)	1320 (4'4")	1320 (4'4")	1320 (4'4")	1320 (4'4")
E	Max. drop below ground	mm (ft.in)	617 (2'0")	617 (2'0")	617 (2')	617 (2')
F	Max. tilting adjustment	mm (ft.in)	880 (2'11")	880 (2'11")	920 (3')	920 (3')
	Digging angle	degree	50	50	46	46
UPPER ATTACHMENT			ROPS cab	ROPS cab	-	-

Item		Model	D155AX-6*4	D155AX-6*5	D275AX-5E0*4	D275AX-5E0*5
OPERATING WEIGHT*		kg (lb)	36360 (80,160)	36360 (80,160)	46740 (103,040)	46825 (103,230)
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	13.9 (18.17) 9.4 (12.3)	13.9 (18.17) 9.4 (12.3)	20.5 (26.8) 14.6 (19.1)
DIMENSION*						
A	Overall length	mm (ft.in)	6125 (20'1")	6125 (20'1")	6660 (21'10")	6660 (21'10")
B	Overall width	mm (ft.in)	4060 (13'4")	4060 (13'4")	4440 (14'7")	4440 (14'7")
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")	3915 (12'10")	3915 (12'10")
C'	Overall height	mm (ft.in)	3395 (11'2")	3395 (11'2")	3835 (12'7")	3835 (12'7")
	Ground pressure	kg/cm ² (PSI)	0.99 (14.1)	0.99 (14.1)	1.1 (15.6)	1.1 (15.6)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	5360 (11,820)	5360 (11,820)	9060 (19,970)	9145 (20,160)
	Length	mm (ft.in)	4060 (13'4")	4060 (13'4")	4440 (14'7")	4440 (14'7")
	Height	mm (ft.in)	1850 (6'1")	1850 (6'1")	2150 (7'1")	2150 (7'1")
D	Max. lift above ground	mm (ft.in)	1320 (4'4")	1320 (4'4")	1415 (4'8")	1415 (4'8")
E	Max. drop below ground	mm (ft.in)	617 (2')	617 (2')	715 (2'4")	715 (2'4")
F	Max. tilting adjustment	mm (ft.in)	920 (3')	920 (3')	1000 (3'3")	1070 (3'6")
	Digging angle	degree	46	46	46	46
UPPER ATTACHMENT			-	-	-	-

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

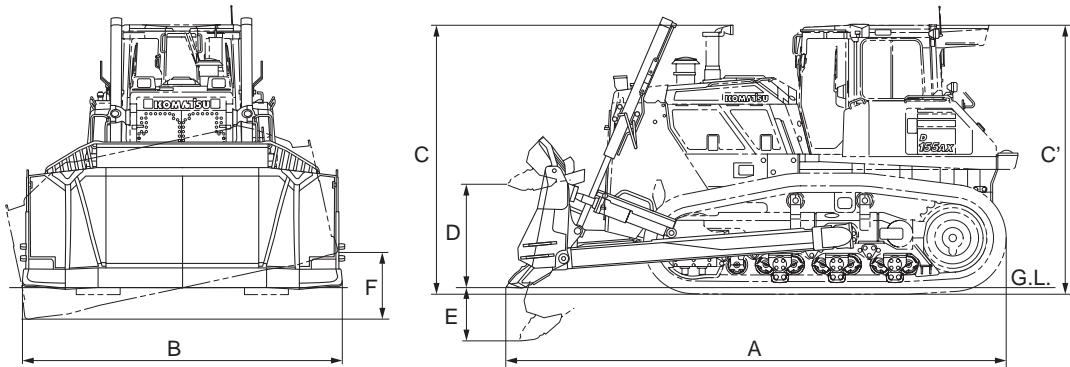
*** : Dual SIGMADOZER

*4 : Strengthened type

*5 : Strengthened dual SIGMADOZER

Blade Specifications SIGMADOZER, Sigma Power-pitch Dozer

BULLDOZERS



FVBH0523

Item		Model	D275A-5R*4	D275A-5R*5		
OPERATING WEIGHT*		kg (lb)	46740 (103,040)	46825 (103,230)		
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	20.5 (26.8) 14.6 (19.1)	20.5 (26.8) 14.6 (19.1)		
DIMENSION*						
A	Overall length	mm (ft.in)	6665 (21'10")	6665 (21'10")		
B	Overall width	mm (ft.in)	4440 (14'7")	4440 (14'7")		
C	Overall height	mm (ft.in)	3915 (12'10")	3915 (12'10")		
C'	Overall height	mm (ft.in)	3835 (12'7")	3835 (12'7")		
	Ground pressure	kg/cm ² (PSI)	1.1 (15.6)	1.1 (15.6)		
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	9060 (19,970)	9145 (20,160)		
	Length	mm (ft.in)	4440 (14'7")	4440 (14'7")		
	Height	mm (ft.in)	2150 (7'1")	2150 (7'1")		
D	Max. lift above ground	mm (ft.in)	1415 (4'8")	1415 (4'8")		
E	Max. drop below ground	mm (ft.in)	720 (2'4")	720 (2'4")		
F	Max. tilting adjustment	mm (ft.in)	1000 (3'3")	1070 (3'6")		
	Digging angle	degree	46	46		
UPPER ATTACHMENT			-	-		

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

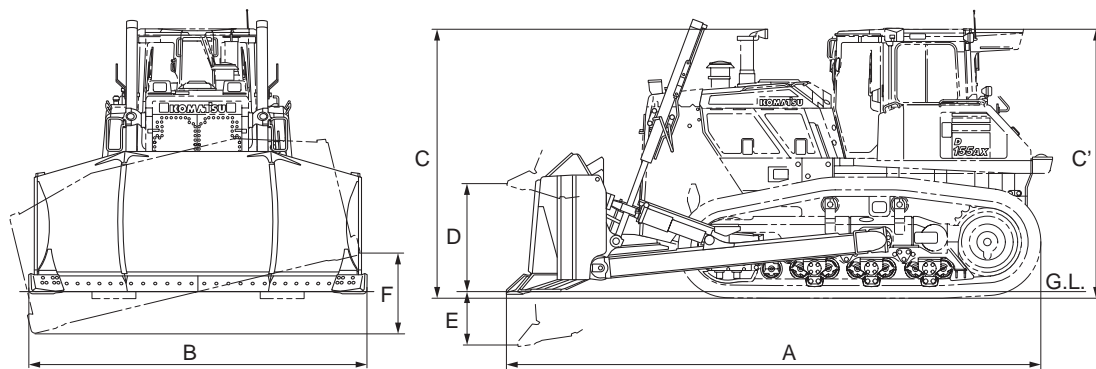
*** : Dual SIGMADOZER

*4 : Strengthened type

*5 : Strengthened dual SIGMADOZER

Blade Specifications U-tiltdozer

BULLDOZERS



FVBH0525

Item		Model	D155A-6	D155A-5	D155AX-8	D155AX-8***
			kg (lb)	37930 (83,620) 38615 (85,130)*5	33500 (73,850)	38330 (84,500)
OPERATING WEIGHT*		kg (lb)	37930 (83,620) 38615 (85,130)*5	33500 (73,850)	38330 (84,500)	38820 (85,580)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	13.5 (17.7) 11.9 (15.6)	13.2 (17.3) 11.8 (15.4)	13.5 (17.7) 11.9 (15.6)	13.5 (17.7) 11.9 (15.6)
DIMENSION*						
A	Overall length	mm (ft.in)	6430 (21'11")	6695 (22')	6785 (22'3")	6785 (22'3")
B	Overall width	mm (ft.in)	4225 (13'10")	4265 (14')	4260 (14'0")	4260 (14'0")
C	Overall height	mm (ft.in)	3385 (11'1")	3395 (11'2")	3385 (11'1")	3385 (11'1")
C'	Overall height	mm (ft.in)	3395 (11'2")	-	3390 (11'1")	3390 (11'1")
	Ground pressure	kg/cm ² (PSI)	1.08 (15.36)	0.93 (13.22)	1.04 (14.8)	1.04 (14.8)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	5630 (12,410) 6345 (13,990)*5	5600 (12,350)	5680 (12,520)	6170 (13,600)
	Length	mm (ft.in)	4225 (13'10")	4265 (14')	4260 (14'0")	4260 (14'0")
	Height	mm (ft.in)	1790 (5'10")	1760 (5'9")	1790 (5'10")	1790 (5'10")
D	Max. lift above ground	mm (ft.in)	1250 (4'1")	1250 (4'1")	1315 (4'4")	1315 (4'4")
E	Max. drop below ground	mm (ft.in)	590 (1'11")	590 (1'11")	600 (2'0")	600 (2'0")
F	Max. tilting adjustment	mm (ft.in)	970 (3'2")	1080 (3'7")	920 (3'0")	920 (3'0")
	Digging angle	degree	52	52	52	52
UPPER ATTACHMENT			-	-	ROPS cab	ROPS cab

Item		Model	D155AX-7	D155AX-6	D275AX-5E0 D275A-5R	D275AX-5E0*** D275A-5R***
			kg (lb)	37330 (82,300)	36630 (80,770)	46110 (101,650)
OPERATING WEIGHT*		kg (lb)	37330 (82,300)	36630 (80,770)	46110 (101,650)	46200 (101,850)
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	13.5 (17.7) 11.9 (15.6)	13.5 (17.7) 11.9 (15.6)	18.0 (23.5) 16.6 (21.7)	18.0 (23.5) 16.6 (21.7)
DIMENSION*						
A	Overall length	mm (ft.in)	6690 (21'11")	6590 (21'7")	7265 (23'10")	7265 (23'10")
B	Overall width	mm (ft.in)	4225 (13'10")	4225 (13'10")	4615 (15'2")	4615 (15'2")
C	Overall height	mm (ft.in)	3385 (11'1")	3385 (11'1")	3915 (12'10")	3915 (12'10")
C'	Overall height	mm (ft.in)	3390 (11'1")	3395 (11'2")	3835 (12'7")	3835 (12'7")
	Ground pressure	kg/cm ² (PSI)	1.02 (14.5)	1.00 (14.19)	1.09 (15.5)	1.09 (15.5)
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	5630 (12,410)	5630 (12,420)	8433 (18,590)	8516 (18,770)
	Length	mm (ft.in)	4225 (13'10")	4225 (13'10")	4615 (15'2")	4615 (15'2")
	Height	mm (ft.in)	1790 (5'10")	1790 (5'10")	1973 (6'6")	1973 (6'6")
D	Max. lift above ground	mm (ft.in)	1255 (4'1")	1255 (4'1")	1475 (4'10")	1475 (4'10")
E	Max. drop below ground	mm (ft.in)	593 (1'11")	593 (1'11")	615 (2'0")	615 (2'0")
F	Max. tilting adjustment	mm (ft.in)	930 (3'1")	970 (3'2")	1070 (3'6")	1220 (4'0")
	Digging angle	degree	52	52	52	52
UPPER ATTACHMENT			ROPS cab	-	-	-

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

*** : Dual U-tiltdozer

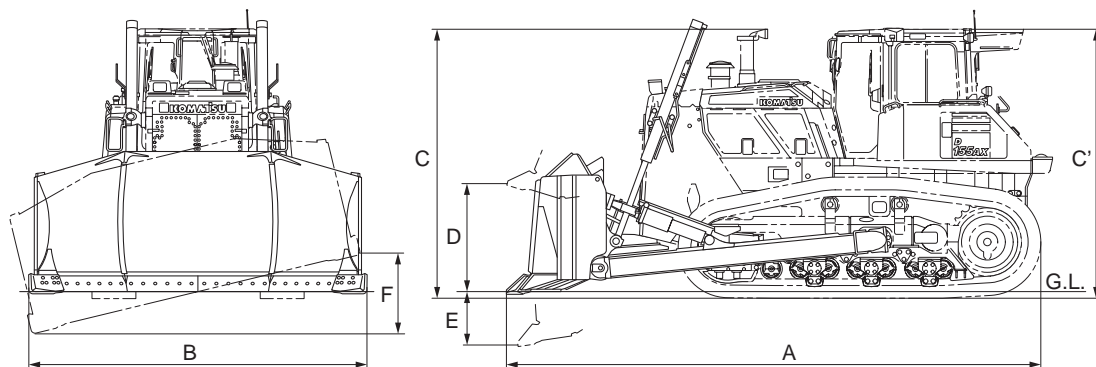
*4 : With spill guard

*5 : Strengthened U-tiltdozer

*6 : Strengthened dual U-tiltdozer

Blade Specifications U-tiltdozer

BULLDOZERS



FVBH0525

Item		Model	D375A-8*5	D375A-8*6	D375A-6*4	D375A-6*** *4	
OPERATING WEIGHT*		kg (lb)	68720 (151,500)	68880 (151,850)	65665 (144,770)	65850 (145,170)	
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	33.2 (43.5) 22.0 (28.8)	33.2 (43.5) 22.0 (28.8)	26.3 (34.4) 22.0 (28.8)	26.3 (34.4) 22.0 (28.8)
DIMENSION*							
A	Overall length	mm (ft.in)	8215 (26'11")	8215 (26'11")	8140 (26'8")	8140 (26'8")	
B	Overall width	mm (ft.in)	5215 (17'1")	5215 (17'1")	5140 (16'10")	5140 (16'10")	
C	Overall height	mm (ft.in)	4160 (13'5")	4160 (13'5")	4265 (14'0")	4265 (14'0")	
C'	Overall height	mm (ft.in)	4166 (13'8")	4166 (13'8")	4285 (14'1")	4285 (14'1")	
	Ground pressure	kg/cm ² (PSI)	1.41 (20.1)	1.42 (20.2)	1.35 (18.77)	1.36 (18.91)	
DOZER EQUIPMENT							
	Weight (Includes hydraulic control unit)	kg (lb)	12330 (27,180)	12490 (27,540)	12465 (27,480)	12650 (27,890)	
	Length	mm (ft.in)	5215 (17'1")	5215 (17'1")	5140 (16'10")	5140 (16'10")	
	Height	mm (ft.in)	2525 (8'3")	2525 (8'3")	2265 (7'5")	2265 (7'5")	
D	Max. lift above ground	mm (ft.in)	1690 (5'7")	1690 (5'7")	1690 (5'7")	1690 (5'7")	
E	Max. drop below ground	mm (ft.in)	735 (2'5")	735 (2'5")	735 (2'5")	735 (2'5")	
F	Max. tilting adjustment	mm (ft.in)	1040 (3'5")	1280 (4'2")	1065 (3'6")	1300 (4'3")	
	Digging angle	degree	55	55	-	-	
UPPER ATTACHMENT			Steel cab	Steel cab	-	-	

Item		Model	D375A-6R*4	D375A-6R*** *4	D375A-5D	D475A-5E0	
OPERATING WEIGHT*		kg (lb)	64265 (141,680)	64450 (142,090)	61020 (134,520)	102390 (225,736)	
BLADE CAPACITY		LH2** SAE	m ³ (yd ³)	26.3 (34.4) 22.0 (28.8)	26.3 (34.4) 22.0 (28.8)	33.2 (43.5) 22.0 (28.8)	42.27 (55.3) 34.4 (45.0)
DIMENSION*							
A	Overall length	mm (ft.in)	8180 (26'8")	8180 (26'8")	8045 (26'5")	9205 (30'2")	
B	Overall width	mm (ft.in)	5140 (16'10")	5140 (16'10")	5140 (16'10")	6205 (20'4")	
C	Overall height	mm (ft.in)	4215 (13'10")	4215 (13'10")	3945 (12'11")	4546 (14'11")	
C'	Overall height	mm (ft.in)	4235 (13'11")	4235 (13'11")	-	4377 (14'4")	
	Ground pressure	kg/cm ² (PSI)	1.37 (19.48)	1.38 (19.62)	1.30 (18.5)	1.59 (22.65)	
DOZER EQUIPMENT							
	Weight (Includes hydraulic control unit)	kg (lb)	12465 (27,480)	12650 (27,890)	11520 (25,400)	18800 (41,446)	
	Length	mm (ft.in)	5140 (16'10")	5140 (16'10")	5140 (16'10")	6205 (20'4")	
	Height	mm (ft.in)	2265 (7'5")	2265 (7'5")	2265 (7'5")	2610 (8'7")	
D	Max. lift above ground	mm (ft.in)	1642 (5'5")	1642 (5'5")	1660 (5'5")	1620 (5'4")	
E	Max. drop below ground	mm (ft.in)	800 (2'7")	800 (2'7")	715 (2'4")	1010 (3'4")	
F	Max. tilting adjustment	mm (ft.in)	1065 (3'6")	1300 (4'3")	1065 (3'6")	905 (3')	
	Digging angle	degree	55	55	55	-	
UPPER ATTACHMENT			-	-	-	-	

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

*** : Dual U-tiltdozer

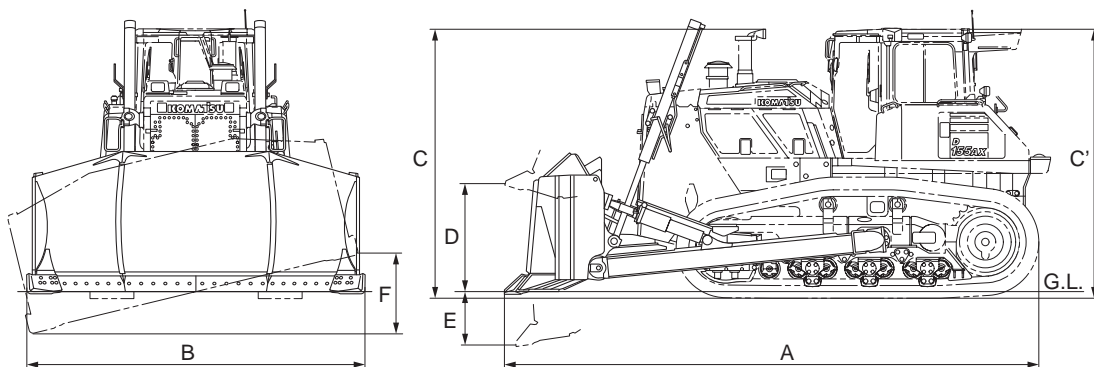
*4 : With spill guard

*5 : Strengthened U-tiltdozer

*6 : Strengthened dual U-tiltdozer

Blade Specifications U-tiltdozer

BULLDOZERS



FVBH0525

Item		Model	D475A-5E0***	D575A-3		
OPERATING WEIGHT*		kg (lb)	102840 (226,730)	121835 (268,600)		
BLADE CAPACITY LH ² ** SAE		m ³ (yd ³)	42.27 (55.28) 34.4 (45.0)	46.7 (61.1) 45 (58.9)		
DIMENSION*						
A	Overall length	mm (ft.in)	9205 (30'2")	9815 (21'8")		
B	Overall width	mm (ft.in)	6205 (20'4")	6800 (22'4")		
C	Overall height	mm (ft.in)	4546 (14'11")	4495 (14'9")		
C'	Overall height	mm (ft.in)	4377 (14'4")	-		
	Ground pressure	kg/cm ² (PSI)	1.6 (22.75)	1.56 (22.18)		
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	19250 (42,440)	23385 (51,550)		
	Length	mm (ft.in)	6205 (20'4")	6800 (22'4")		
	Height	mm (ft.in)	2610 (8'7")	2600 (8'6")		
D	Max. lift above ground	mm (ft.in)	1620 (5'4")	1850 (6'1")		
E	Max. drop below ground	mm (ft.in)	1010 (3'4")	900 (2'11")		
F	Max. tilting adjustment	mm (ft.in)	1350 (4'5")	1600 (5'3")		
	Digging angle	degree				
UPPER ATTACHMENT			-	-		

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

*** : Dual U-tiltdozer

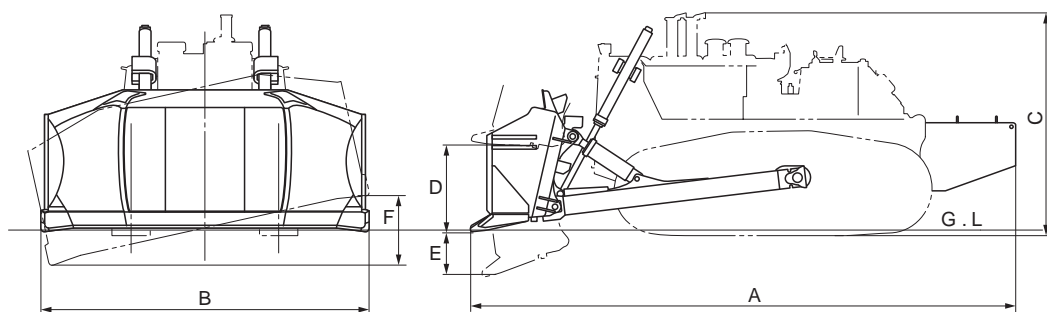
*4 : With spill guard

*5 : Strengthened U-tiltdozer

*6 : Strengthened dual U-tiltdozer

Blade Specifications Super Dozer

BULLDOZERS



FVBH0333

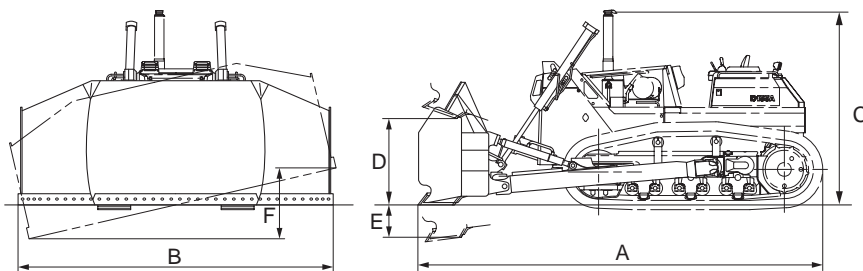
Item		Model	D475ASD-5E0	D575ASD-3		
OPERATING WEIGHT*		kg (lb)	112260 (247,490)	152410 (336,000)		
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	45.0 (58.9)	69.0 (90.3) 60.0 (78.5)		
DIMENSION*						
A	Overall length	mm (ft.in)	10525 (34'6")	11720 (38'5")		
B	Overall width	mm (ft.in)	6465 (21'3")	7400 (24'3")		
C	Overall height	mm (ft.in)	4546 (14'11")	4495 (14'9")		
	Ground pressure	kg/cm ² (PSI)	1.53 (21.8)	1.50 (21.33)		
DOZER EQUIPMENT						
	Weight (Includes hydraulic control unit)	kg (lb)	21350 (47,070)	32430 (71,500)		
	Length	mm (ft.in)	6465 (21'3")	7400 (24'3")		
	Height	mm (ft.in)	2690 (8'10")	3250 (10'8")		
D	Max. lift above ground	mm (ft.in)	1960 (6'5")	1750 (5'9")		
E	Max. drop below ground	mm (ft.in)	860 (2'10")	805 (2'8")		
F	Max. tilting adjustment	mm (ft.in)	900 (2'11")	1000 (3'3")		
COUNTERWEIGHT		kg (lb)	6400 (14,110)	5400 (11,900)		
UPPER ATTACHMENT			-	-		

* : Including dozer equipment and counterweight in addition to bare tractor, excluding ROPS and cab

** : L: Blade length H: Blade height

Blade Specifications Coal Dozer

BULLDOZERS



FVBH0200

Item		Model	D155A-5			
OPERATING WEIGHT*		kg (lb)	33330 (73,480)			
BLADE CAPACITY LH2** SAE		m ³ (yd ³)	21.5 (28.1)			
DIMENSION*						
A	Overall length	mm (ft.in)	6900 (22'8")			
B	Overall width	mm (ft.in)	5300 (17'5")			
C	Overall height	mm (ft.in)	3395 (11'2")			
	Ground pressure	kg/cm ² (PSI)	0.73 (10.5)***			
DOZER EQUIPMENT						
	Type		Coal dozer with power tilt			
	Weight (Includes hydraulic control unit)	kg (lb)	4930 (10,870)			
	Length	mm (ft.in)	5300 (17'5")			
	Height	mm (ft.in)	2125 (7'0")			
D	Max. lift above ground	mm (ft.in)	1495 (4'11")			
E	Max. drop below ground	mm (ft.in)	565 (1'10")			
F	Max. tilting adjustment	mm (ft.in)	1270 (4'2")			
UPPER ATTACHMENT			-			

* : Including dozer equipment in addition to bare tractor

** : L: Blade length H: Blade height

*** : With 710 mm (28") shoe

The estimated production curves give maximum production before correction and are based on the following conditions.

1. 100% efficiency
2. 0.05 min time fixed (for gear shifting)
3. Machine cuts for 15 m (50 ft), then drifts blade load.
4. Gear

Machines with F3/R3

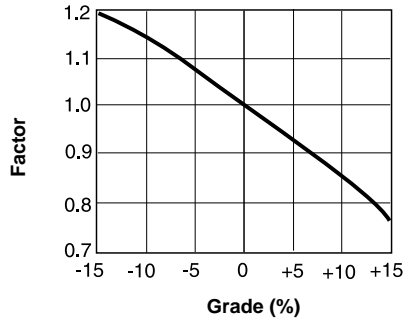
- Cut : F1
- Carry : F2
- Return : R2

$$\text{Actual Production} = (\text{Estimated Production}) \times (\text{Blade Factor}) \times (\text{Job Efficiency}) \times (\text{Grade Factor})$$

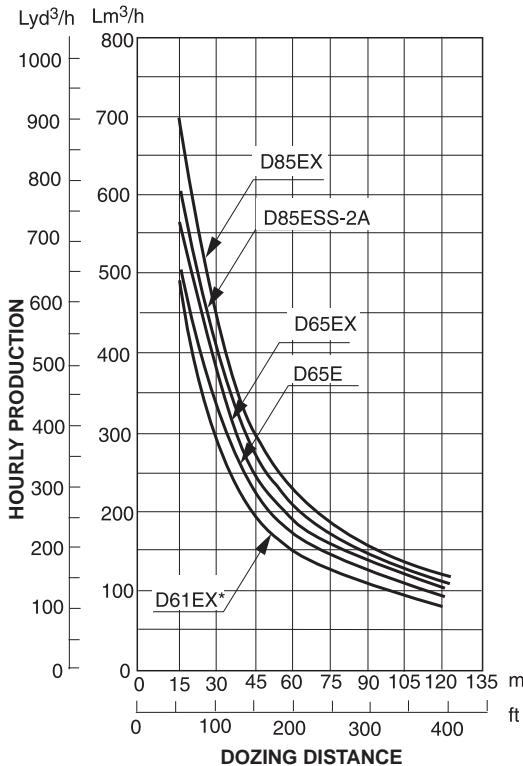
Correction Factor

BLADE FACTOR	
• Easy	1.1~0.9
• Average	0.9~0.7
• Rather difficult	0.7~0.6
• Difficult	0.6~0.4
JOB EFFICIENCY	
• Good	0.83 (50 min out of an hour machine use)
• Average	0.75 (45 min out of an hour machine use)
• Rather poor	0.67 (40 min out of an hour machine use)
• Poor	0.58 (35 min out of an hour machine use)
GRADE FACTOR	See right table

GRADE FACTOR

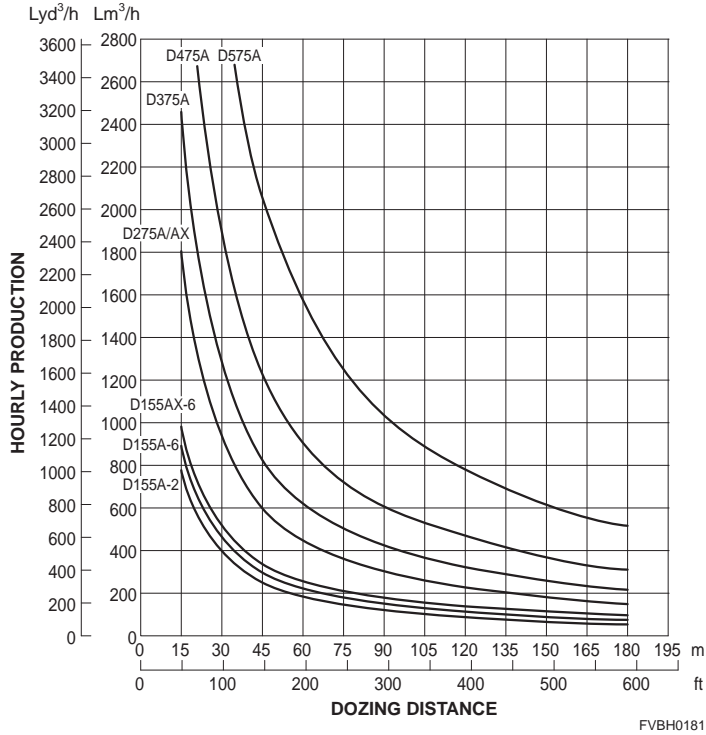


Estimated Dozing Production (Straight-tilt dozer, Power angle-tilt dozer*)

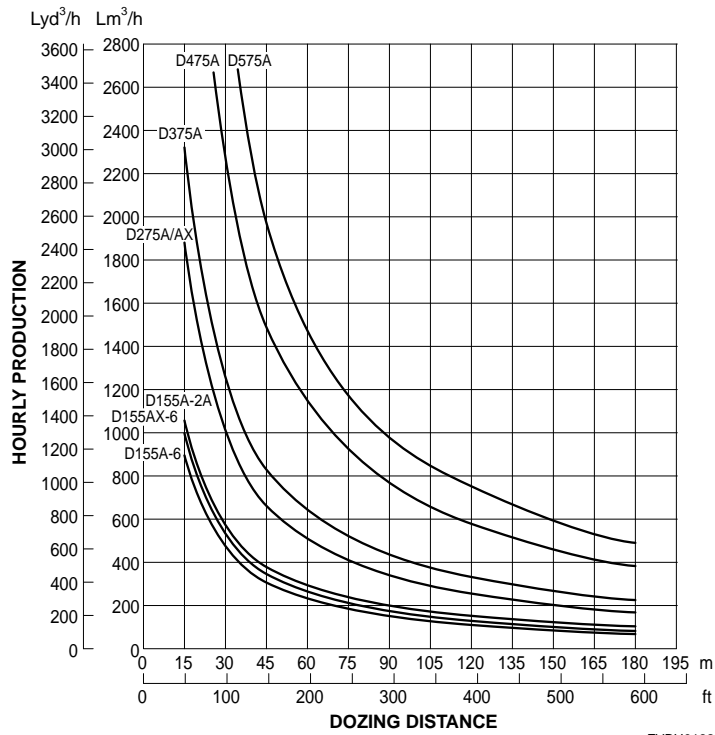


Note: Hourly production is for reference purposes only. Actual production vary depending on several conditions of the working site.

**Estimated Dozing Production
(Semi-U-tilt dozer)**

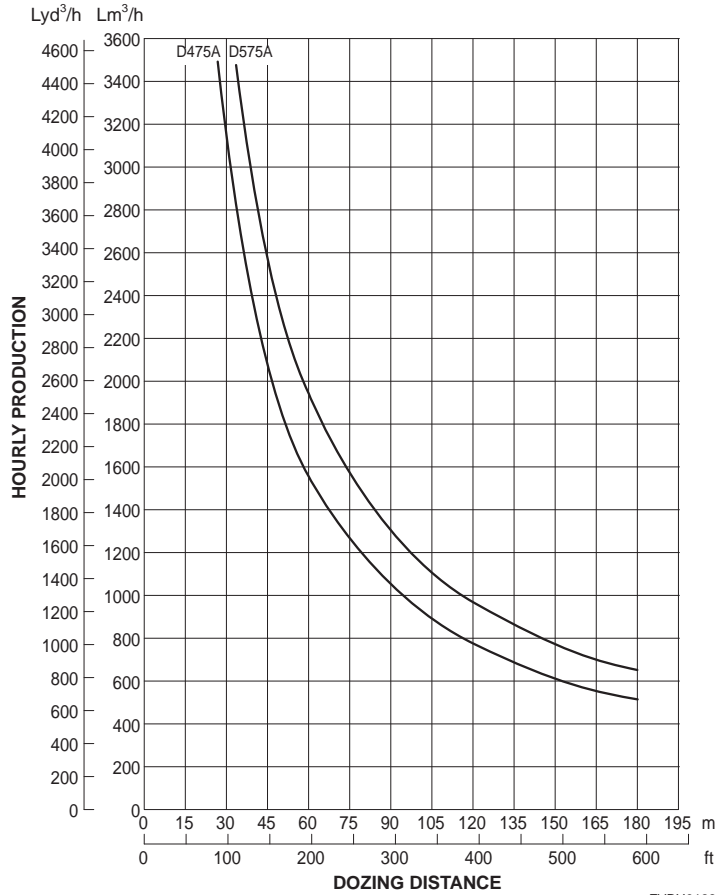


**Estimated Dozing Production
(U-tilt dozer)**



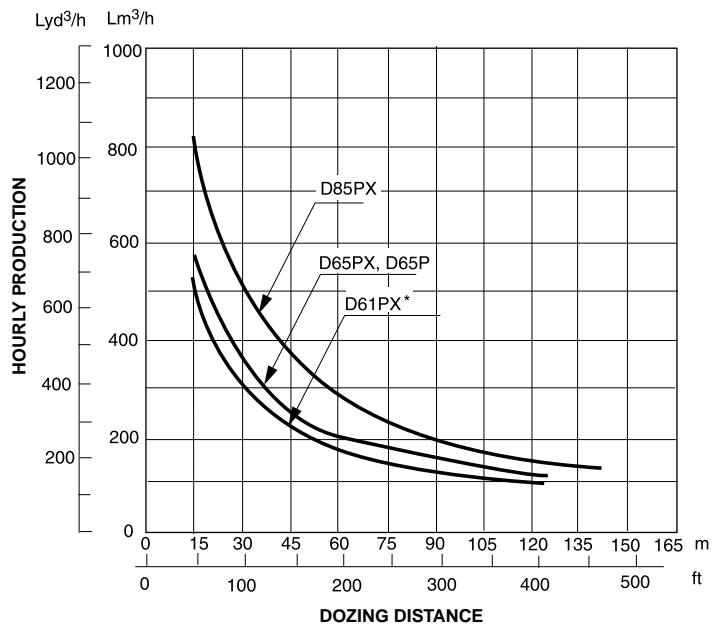
Note: Hourly production is for reference purposes only. Actual production vary depending on several conditions of the working site.

**Estimated Dozing Production
(Super Dozer)**



FVBH0183

**Estimated Dozing Production for Low Ground Pressure Bulldozers
(Straight-tiltadozer, Power Angle-tiltadozer*)**



Note: Hourly production is for reference purposes only. Actual production vary depending on several conditions of the working site.

SECTION **2C**

RIPPERS

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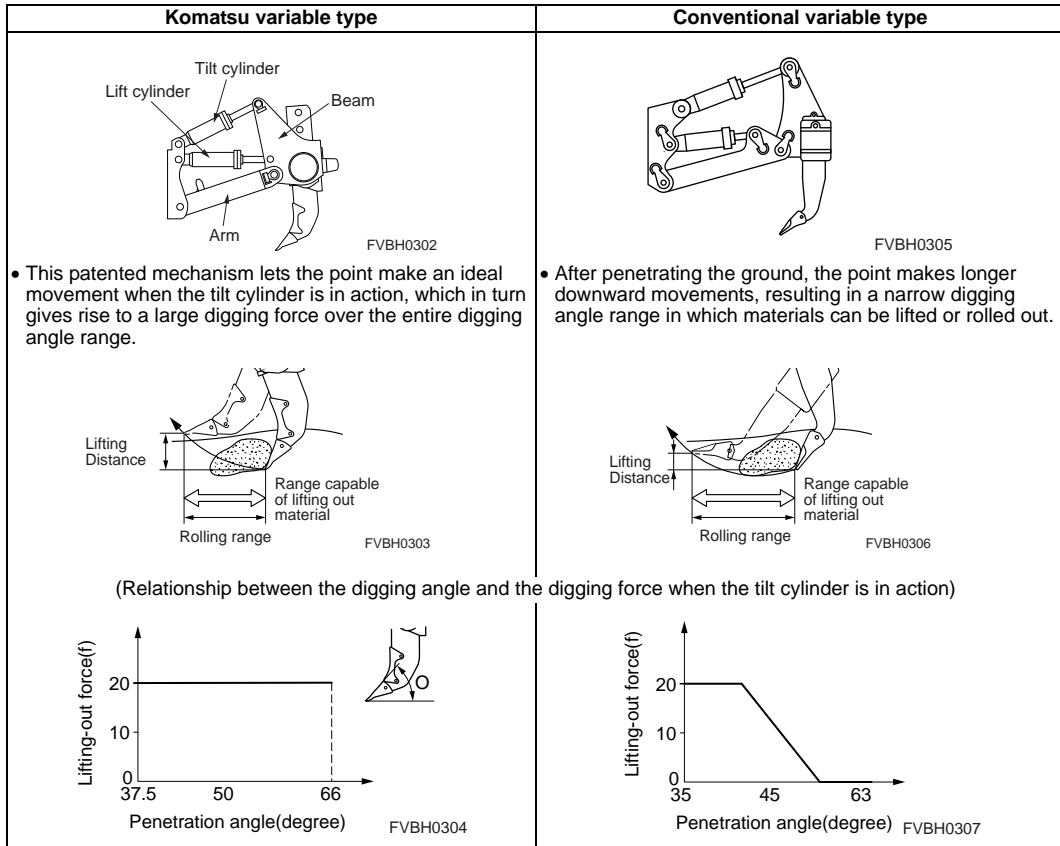
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 Multi-shank Ripper (Variable type) 2C-6
 Giant Ripper (Variable type) 2C-8
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Ripper Point Selection 2C-11
Production 2C-14

■ Outstanding productivity

1. Superior ripping performance is achieved through a large operating weight, high engine output and a conventional drive undercarriage.
2. Large maximum penetration depth provides high ripper production.
3. The unique linkage design enables the ripper point to draw an ideal locus during cylinder tilting for effective excavation of embedded rocks.

In the KOMATSU linkage, the lift cylinder is mounted on the beam, causing the point to make an ideal movement when the tilt cylinder is actuated.

Thus, the range of digging angles practically available is wider than the conventional type range, giving excellent digging force.



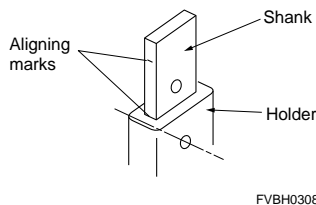
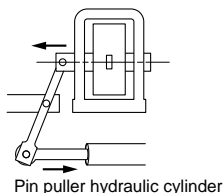
■ Minimum downtime

1. Large sectional area of the beam extends service life.
2. The forged ripper points are sharpened for excellent penetration and long service life.

■ Easy operation

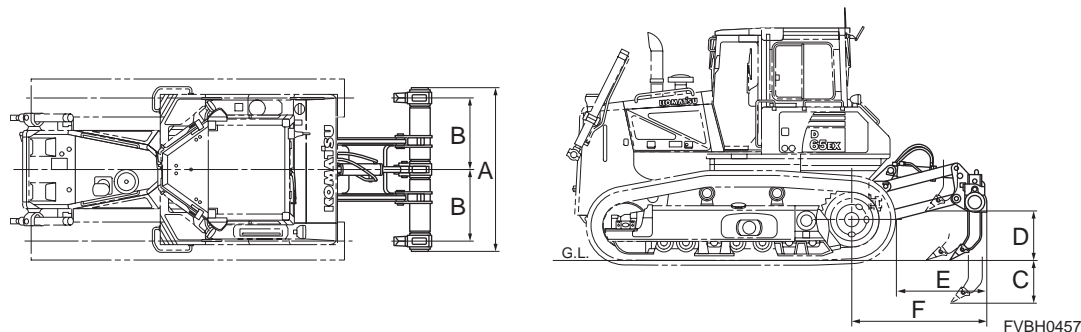
1. Optional pin puller facilitates change in digging depth.

The optional pin puller mechanism functions to insert or remove the pin from its hole. This is accomplished with a hydraulic cylinder and can be accomplished by an experienced operator, from within the cab. This feature thus provides a time savings benefit.



Specifications Multi-shank Ripper (Rigid type)

RIPPERS



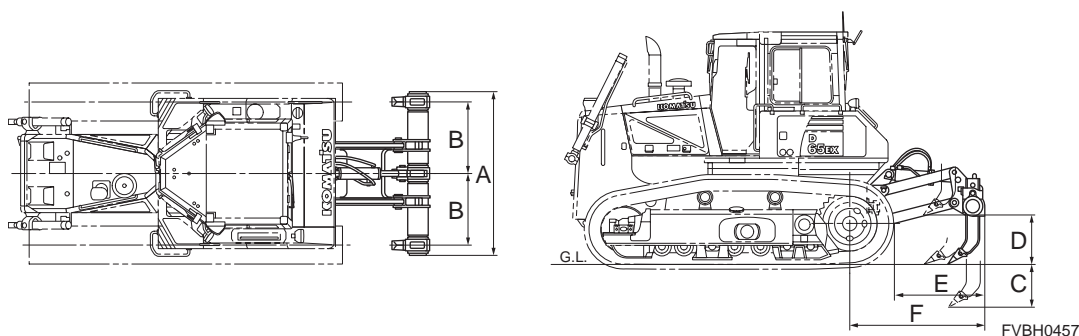
Item		Model	D31EX-22	D37EX-24	D37EX-23	D37EX-22
A	RIPPER EQUIPMENT:					
	Type		Parallelogram	Parallelogram	Parallelogram	Parallelogram
	Weight**	kg (lb)	700 (1,540)	700 (1,540)	700 (1,540)	700 (1,540)
	Beam length	mm (ft.in)	1570 (5'2")	1570 (5'2")	1570 (5'2")	1570 (5'2")
B	Shanks:					
	No. of shanks		3	3	3	3
	Tooth point		Replaceable	Replaceable	Replaceable	Replaceable
	Pitch (3 shank)	mm (ft.in)	700 (2'4")	700 (2'4")	700 (2'4")	700 (2'4")
	Pitch (2 shank)	mm (ft.in)				
	Digging angle	degree	Fixed	Fixed	Fixed	Fixed
	Digging depth		Fixed	Fixed	Fixed	Fixed
C	Max. digging depth	mm (ft.in)	340 (1'1")	325 (1'1")	325 (1'1")	340 (1'1")
D	Max. lift above ground	mm (ft.in)	385 (1'3")	400 (1'4")	400 (1'4")	385 (1'3")
E	Tail length (from track rear end)	mm (ft.in)				
F	Tail length	mm (ft.in)	1655 (5'5")	1565 (5'2")	1565 (5'2")	1565 (5'2")
	HYDRAULIC CONTROL UNIT*	kg (lb)	20 (44)	20 (44)	20 (44)	20 (44)

Item		Model	D39EX-24	D39EX-23	D39EX-22	D51EX-24
A	RIPPER EQUIPMENT:					
	Type		Parallelogram	Parallelogram	Parallelogram	Parallelogram
	Weight**	kg (lb)	700 (1,540)	700 (1,540)	700 (1,540)	850 (1,870)
	Beam length	mm (ft.in)	1570 (5'2")	1570 (5'2")	1570 (5'2")	1555 (5'1")
B	Shanks:					
	No. of shanks		3	3	3	3
	Tooth point		Replaceable	Replaceable	Replaceable	Replaceable
	Pitch (3 shank)	mm (ft.in)	700 (2'4")	700 (2'4")	700 (2'4")	700 (2'4")
	Pitch (2 shank)	mm (ft.in)				
	Digging angle	degree	Fixed	Fixed	Fixed	55°
	Digging depth		Fixed	Fixed	Fixed	3-stage adjustable
C	Max. digging depth	mm (ft.in)	265 (10.4")	265 (10.4")	275 (10.8")	425 (1'5")
D	Max. lift above ground	mm (ft.in)	465 (1'6")	465 (1'6")	455 (1'6")	380 (1'3")
E	Tail length (from track rear end)	mm (ft.in)				1045 (3'5")
F	Tail length	mm (ft.in)	1570 (5'2")	1570 (5'2")	1520 (5'0")	
	HYDRAULIC CONTROL UNIT*	kg (lb)	20 (44)	20 (44)	20 (44)	16 (35)

* : Including additional oil weight
 ** : Including the hydraulic control unit
 *** : for Russia

Specifications Multi-shank Ripper (Rigid type)

RIPPERS



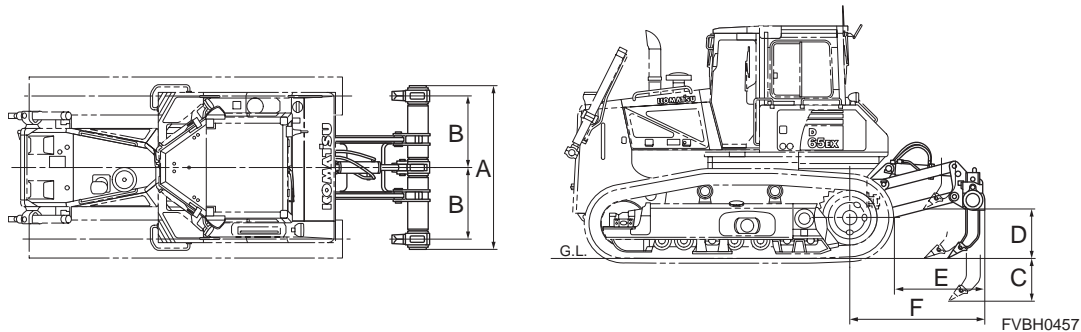
Item		Model	D61EX-24	D61EX-23M0	D61EX-23	D63E-12***
A	RIPPER EQUIPMENT:					
	Type		Parallelogram	Parallelogram	Parallelogram	Parallelogram
A	Weight**	kg (lb)	1780 (3,920)	1757 (3,870)	1790 (3,950)	1645 (3,630)
	Beam length	mm (ft.in)	2170 (7'1")	2170 (7'1")	2170 (7'1")	2170 (7'1")
B	Shanks:					
	No. of shanks		3	3	3	3
	Tooth point		Replaceable	Replaceable	Replaceable	Replaceable
	Pitch (3 shank)	mm (ft.in)	950 (3'1")	950 (3'1")	950 (3'1")	950 (3'1")
	Pitch (2 shank)	mm (ft.in)	1900 (6'3")	1900 (6'3")	1900 (6'3")	1900 (6'3")
B	Digging angle	degree	55°	55°	55°	55°, 45° 2-stage
	Digging depth		3-stage adjustable	3-stage adjustable	3-stage adjustable	3-stage adjustable
C	Max. digging depth	mm (ft.in)	665 (2'2")	665 (2'2")	665 (2'2")	655 (2'2")
D	Max. lift above ground	mm (ft.in)	455 (1'6")	560 (1'10")	565 (1'10")	575 (1'10")
E	Tail length (from track rear end)	mm (ft.in)	1275 (4'2")	1275 (4'2")	1275 (4'2")	1790 (5'10")
F	Tail length	mm (ft.in)	1805 (5'11")	1805 (5'11")	1805 (5'11")	1790 (5'10")
HYDRAULIC CONTROL UNIT*		kg (lb)	16 (35)	16 (35)	35 (77)	35 (77)

Item		Model	D65E-12	D65EX-18 D65WX-18	D65EX-17	D65EX-16
A	RIPPER EQUIPMENT:					
	Type		Parallelogram	Parallelogram	Parallelogram	Parallelogram
A	Weight**	kg (lb)	1680 (3,700)	1920 (4,230)	1770 (3,900)	1770 (3,900)
	Beam length	mm (ft.in)	2170 (7'1")	2170 (7'1")	2170 (7'1")	2170 (7'1")
B	Shanks:					
	No. of shanks		3	3	3	3
	Tooth point		Replaceable	Replaceable	Replaceable	Replaceable
	Pitch (3 shank)	mm (ft.in)	950 (3'1")	950 (3'1")	950 (3'1")	950 (3'1")
	Pitch (2 shank)	mm (ft.in)	1900 (6'3")	1900 (6'3")	1900 (6'3")	1900 (6'3")
B	Digging angle	degree	55°, 45° 2-stage	55°	55°	55°
	Digging depth		3-stage adjustable	2-stage adjustable	2-stage adjustable	2-stage adjustable
C	Max. digging depth	mm (ft.in)	590 (1'11")	595 (1'11")	590 (1'11")	590 (1'11")
D	Max. lift above ground	mm (ft.in)	645 (2'1")	635 (2'1")	640 (2'1")	640 (2'1")
E	Tail length (from track rear end)	mm (ft.in)		1340 (4'5")	1230 (4'0")	1230 (4'0")
F	Tail length	mm (ft.in)	1795 (5'11")	1930 (6'4")	1795 (5'11")	1795 (5'11")
HYDRAULIC CONTROL UNIT*		kg (lb)	70 (154)	20 (44)	24 (53)	24 (53)

* : Including additional oil weight
 ** : Including the hydraulic control unit
 *** : for Russia

Specifications Multi-shank Ripper (Rigid type)

RIPPERS

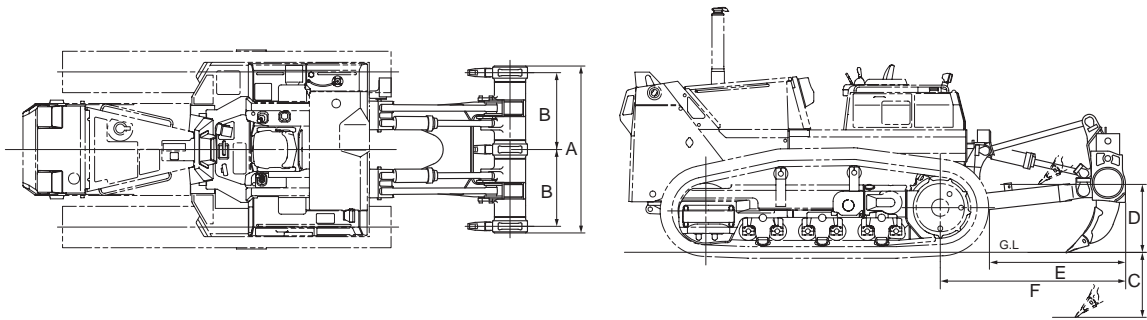


Item		Model	D85ESS-2A	D85EX-18	D85EX-15E0 D85EX-15R
A	Weight**	kg (lb)	1680 (3,700)	2500 (5,520)	2500 (5,520)
	Beam length	mm (ft.in)	2170 (7'1")	2250 (7'5")	2225 (7'4")
B	Shanks:				
	No. of shanks		3	3	3
	Tooth point		Replaceable	Replaceable	Replaceable
	Pitch (3 shank)	mm (ft.in)	950 (3'1")	1000 (3'3")	1000 (3'3")
C	Pitch (2 shank)	mm (ft.in)	1900 (6'3")	2000 (6'7")	2000 (6'7")
	Digging angle	degree	55°, 45° 2-stage	54.5°	54.5°
	Digging depth		3-stage adjustable	2-stage adjustable	2-stage adjustable
D	Max. digging depth	mm (ft.in)	595 (1'11")	655 (2'2")	655 (2'2")
E	Max. lift above ground	mm (ft.in)	640 (2'1")	565 (1'10")	565 (1'10")
F	Tail length (from track rear end)	mm (ft.in)	1220 (4'0")	1515 (5'0")	1515 (5'0")
	Tail length	mm (ft.in)	1790 (5'10")		2075 (6'10")
HYDRAULIC CONTROL UNIT*		kg (lb)	70 (154)		

* : Including additional oil weight
 ** : Including the hydraulic control unit
 *** : for Russia

Specifications Multi-shank Ripper (Variable type)

RIPPERS



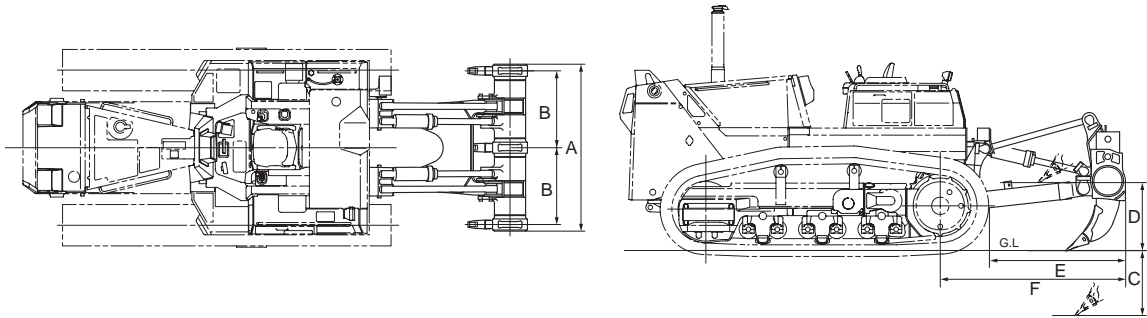
Item		Model	D85EX-18	D155AX-8	D155A-7	D155AX-6 D155A-6
	RIPPER EQUIPMENT: Type		Variable digging angle type	Variable digging angle type	Variable digging angle type	Variable digging angle type
A	Weight** Beam length	kg (lb) mm (ft.in)	2570 (5,670) 2250 (7'5")	3760 (8,290) 2320 (7'7")	3760 (8,290) 2320 (7'7")	3760 (8,290) 2320 (7'7")
	Shanks:					
B	No. of shanks Tooth point Pitch (3 shank) Pitch (2 shank) Digging angle	mm (ft.in) mm (ft.in) degree	3 Replaceable 1000 (3'3") 2000 (6'7") Std:54.5° Stepless adjustable	3 Replaceable 1070 (3'6") 2140 (7'0") Std:49° Stepless adjustable	3 Replaceable 1070 (3'6") 2140 (7'0") Std:49° Stepless adjustable	3 Replaceable 1070 (3'6") 2140 (7'0") Std:49° Stepless adjustable
	Digging depth		2-stage adjustable	2-stage adjustable	2-stage adjustable	2-stage adjustable
C	Max. digging depth	mm (ft.in)	735 (2'5")	900 (2'11")	900 (2'11")	900 (2'11")
D	Max. lift above ground	mm (ft.in)	720 (2'4")	950 (3'1")	950 (3'1")	950 (3'1")
E	Tail length (from track rear end)	mm (ft.in)	1545 (5'1")	2100 (6'11")	2100 (6'11")	2100 (6'11")
F	Tail length	mm (ft.in)		2745 (9'0")	2745 (9'0")	2745 (9'0")
	HYDRAULIC CONTROL UNIT*	kg (lb)				

Item		Model	D155A-5	D275AX-5E0 D275A-5R	D375A-8	D375A-6R
	RIPPER EQUIPMENT: Type		Variable digging angle type	Variable digging angle type	Variable digging angle type	Variable digging angle type
A	Weight** Beam length	kg (lb) mm (ft.in)	3710 (8,180) 2260 (7'5")	4462 (9,840) 2495 (8'2")	6430 (14,180) 2910 (9'7")	6800 (14,810) 2910 (9'7")
	Shanks:					
B	No. of shanks Tooth point Pitch (3 shank) Pitch (2 shank) Digging angle	mm (ft.in) mm (ft.in) degree	3 Replaceable 1040 (3'5") 2080 (6'10") Std:49° Stepless adjustable	3 Replaceable 1130 (3'8") 2260 (7'5") Std:51.7° Stepless adjustable	3 Replaceable 1320 (4'4") 2640 (8'8") Std:45° Stepless adjustable	3 Replaceable 1320 (4'4") 2640 (8'8") Std:45° Stepless adjustable
	Digging depth		2-stage adjustable	2-stage adjustable	2-stage adjustable	2-stage adjustable
C	Max. digging depth	mm (ft.in)	870 (2'10")	900 (2'11")	1140 (3'9")	1190 (3'11")
D	Max. lift above ground	mm (ft.in)	925 (3')	955 (3'2")	1155 (3'9")	1082 (3'7")
E	Tail length (from track rear end)	mm (ft.in)	1700 (5'7")	1975 (6'6")	2415 (7'11")	2345 (7'9")
F	Tail length	mm (ft.in)	2510 (8'3")	3060 (10'0")	3170 (10'5")	3165 (10'5")
	HYDRAULIC CONTROL UNIT*	kg (lb)	90 (200)	120 (260)		

* : Including additional oil weight
 ** : Including the hydraulic control unit
 *** : for Russia

Specifications Multi-shank Ripper (Variable type)

RIPPERS

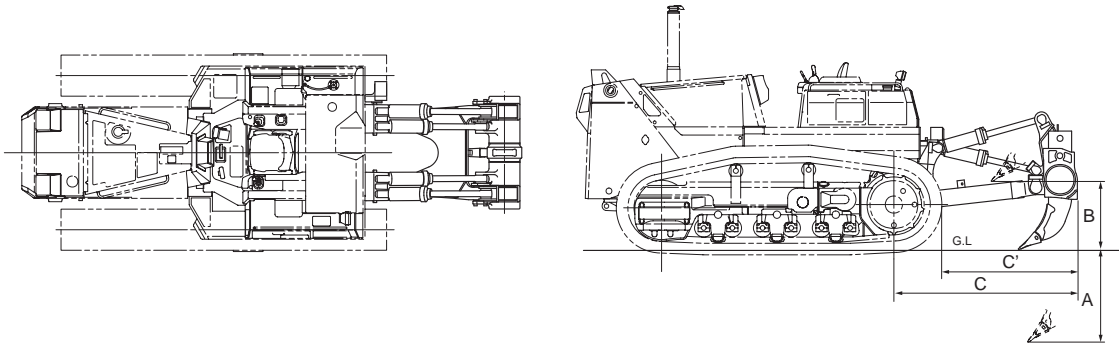


Item		Model	D375A-6	D475A-5E0		
	RIPPER EQUIPMENT:					
	Type		Variable digging angle type	Variable digging angle type		
A	Weight**	kg (lb)	6800 (14,990)	9720 (21,430)		
	Beam length	mm (ft.in)	2910 (9'7")	3085 (10'1")		
	Shanks:					
	No. of shanks		3	3		
B	Tooth point		Replaceable	Replaceable		
	Pitch (3 shank)	mm (ft.in)	1320 (4'4")	1385 (4'7")		
	Pitch (2 shank)	mm (ft.in)	2640 (8'8")	2770 (9'1")		
	Digging angle	degree	Std:45° Stepless adjustable	Std:45° Stepless adjustable		
	Digging depth		2-stage adjustable	2-stage adjustable		
C	Max. digging depth	mm (ft.in)	1140 (3'9")	1124 (3'8")		
D	Max. lift above ground	mm (ft.in)	1135 (3'9")	1196 (3'11")		
E	Tail length (from track rear end)	mm (ft.in)	2345 (7'9")	2630 (8'8")		
F	Tail length	mm (ft.in)	3170 (10'5")	3940 (11'5")		
	HYDRAULIC CONTROL UNIT*	kg (lb)		120 (260)		

* : Including additional oil weight
 ** : Including the hydraulic control unit
 *** : for Russia

Specifications Giant Ripper (Variable type)

RIPPERS



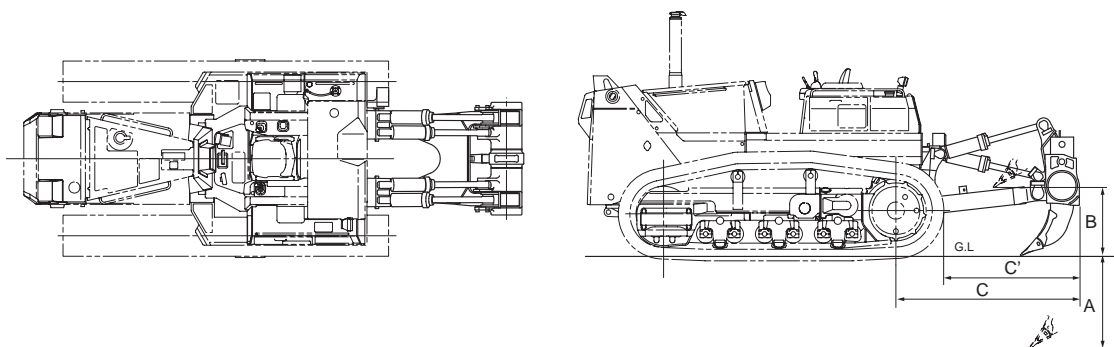
Item		Model	D155AX-8	D155AX-7	D155AX-6 D155A-6	D155A-5
	RIPPER EQUIPMENT: Type		Variable digging angle type	Variable digging angle type	Variable digging angle type	Variable digging angle type
	Weight**	kg (lb)	2440 (5,380)	2440 (5,380)	2440 (5380)	2760 (6,080)
	Shanks: No. of shanks Tooth point Digging angle	degree	1 Replaceable Std:49° Stepless adjustable	1 Replaceable Std:49° Stepless adjustable	1 Reversible Std:49° Stepless adjustable	1 Reversible Std:49° Stepless adjustable
	Digging depth		3-stage adjustable	3-stage adjustable	3-stage adjustable	3-stage adjustable
A	Max. digging depth	mm (ft.in)	1240 (4'1")	1240 (4'1")	1240 (4'1")	1220 (4')
B	Max. lift above ground	mm (ft.in)	950 (3'1")	950 (3'1")	950 (3'1")	925 (3')
C	Tail length	mm (ft.in)	3045 (10'0")	2745 (9'0")	2745 (9'0")	2510 (8'3")
C'	Tail length (from track rear end)	mm (ft.in)	2400 (7'10")	2100 (6'11")	2100 (6'11")	1855 (6'1")
	HYDRAULIC CONTROL UNIT*	kg (lb)				90 (200)

Item		Model	D275A-5R	D275AX-5E0	D375A-8	D375A-6R
	RIPPER EQUIPMENT: Type		Variable digging angle type	Variable digging angle type	Variable digging angle type	Variable digging angle type
	Weight**	kg (lb)	4600 (10,140)	3600 (7,940)	5210 (11,490)	6200 (13,670)
	Shanks: No. of shanks Tooth point Digging angle	degree	1 Replaceable Std:52.7° Stepless adjustable	1 Replaceable Std:52.7° Stepless adjustable	1 Replaceable Std:45° Stepless adjustable	1 Replaceable Std:45° Stepless adjustable
	Digging depth		3-stage adjustable	3-stage adjustable	3-stage adjustable	2-stage adjustable
A	Max. digging depth	mm (ft.in)	1420 (4'8")	1300 (4'3")	1485 (4'10")	1538 (5'1")
B	Max. lift above ground	mm (ft.in)	1195 (3'11")	870 (2'10")	1120 (3'8")	1050 (3'5")
C	Tail length	mm (ft.in)	3060 (10'0")	3030 (9'11")	3460 (11'4")	3450 (11'4")
C'	Tail length (from track rear end)	mm (ft.in)	2360 (7'9")	2330 (7'8")	2705 (8'11")	2695 (8'10")
	HYDRAULIC CONTROL UNIT*	kg (lb)	120 (260)	120 (260)		

* : Including additional oil weight
 ** : Including the hydraulic control unit
 *** : for Russia

Specifications Giant Ripper (Variable type)

RIPPERS

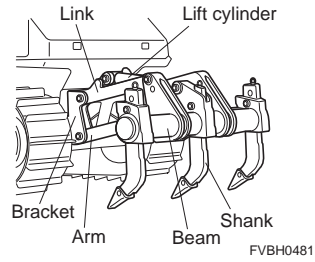


Item		Model	D375A-6	D375A-5D***	D475A-5E0	D575A-3
	RIPPER EQUIPMENT: Type		Variable digging angle type	Variable digging angle type	Variable digging angle type	Variable digging angle type
	Weight**	kg (lb)	6200 (13,670)	5470 (12,060)	7360 (16,230)	10530 (23,210)
	Shanks: No. of shanks		1	1	1	1
	Tooth point		Replaceable	Replaceable	Replaceable	Replaceable
	Digging angle	degree	Std:45° Stepless adjustable	Std:45° Stepless adjustable	Std:45° Stepless adjustable	Std:45° Stepless adjustable
	Digging depth		2-stage adjustable	2-stage adjustable	4-stage adjustable	5-stage adjustable
A	Max. digging depth	mm (ft.in)	1485 (4'10")	1435 (4'8")	1744 (5'9")	2050 (6'9")
B	Max. lift above ground	mm (ft.in)	1100 (3'7")	1060 (3'6")	1196 (3'11")	1290 (4'3")
C	Tail length	mm (ft.in)	3450 (11'4")	3450 (11'4")	3720 (12'2")	3755 (12'4")
C'	Tail length (from track rear end)	mm (ft.in)	2695 (8'10")	2695 (8'10")	2860 (9'5")	
	HYDRAULIC CONTROL UNIT*	kg (lb)				150 (330)

* : Including additional oil weight
 ** : Including the hydraulic control unit
 *** : for Russia

Multi-shank rippers (Rigid type)

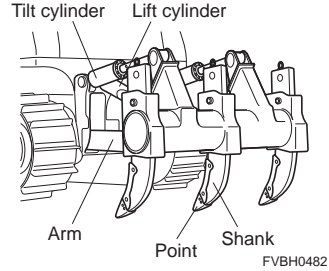
Highly efficient ripping of soft rock is possible with three shanks. The parallelogram ripper linkage maintains the shanks at the optimum digging angle during operation, regardless of the shank's penetrating depth.



Multi-shank rippers (Variable type)

The ripper point angle can be varied hydraulically to suit the specific ground conditions.

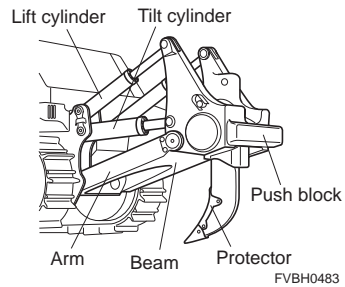
The ideal movement of ripper points ensures powerful digging force throughout the entire digging angle range.



Giant rippers (Variable type)

Specially made to handle hard rock with reinforced beam and a shank.

The tilt angle of the ripper point is adjustable for better penetration and fragmentation.



1. COMPARISON BETWEEN THE MULTI-SHANK AND GIANT (SINGLE SHANK) RIPPERS

Multi-shank Ripper		Giant Ripper	
M-1	Three tips provide high efficiency ripping of soft rock.	G-1	Sturdy construction. Suitable for harder rocks.
M-2	Foot of cliffs or slopes can be ripped by using the left or right tip.	G-2	Push plate allows tandem ripping.
M-3	Adaptable to hard or soft rock by increasing or decreasing the number of shanks.	G-3	Deep penetration and large distance from shank to rear of bulldozer make it possible to handle large rocks.
		G-4	Pin puller simplifies changing shank length.

2. COMPARISON BETWEEN THE RIGID AND VARIABLE TYPE RIPPERS

Rigid type Ripper		Variable type Ripper	
F-1	Simple construction and low price.	V-1	Digging angle can be adjusted to obtain optimum conditions for type of rock and slope of ground.
F-2	Constant digging angle.	V-2	Digs out boulders easily.
F-3	Simple hydraulic circuit means fewer oil leaks.	V-3	Tilting function makes it possible to cut roots.

Various types of ripper points are available, and the general standards for selection according to the type of use are given below.

1. Types of ripper points

Ripper points are categorized according to the following three items.

Material	There are two main types: Heat-resistant type and high-toughness type. These are distinguished with a red mark and yellow mark, respectively.
Point length	There are two types: Long and short
Shape	There are two types: A symmetric type that can be turned and the non-symmetric type that cannot be turned.

When combining of these categories, 4~7 types of points are available for each model.

2. Features of each type of point

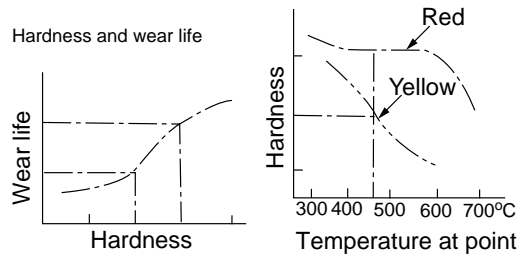
Red	Has high resistance to wear from generation of heat at the point tip, but compared with the yellow point, it lacks toughness.
Yellow	Compared with the red point, this has excellent toughness, but it has inferior wear life when heat is generated at the point.

If the point does not dig into the rock, but slips on the rock surface, the friction heat between the point and rock causes an extreme rise in temperature of the point, thus reducing point hardness.

There is a close relationship between hardness and wear: The higher the hardness, the less the wear.

Also there is a close relationship between increased temperature of the point and excellent wear of the point (abnormal wear).

The red point has superior heat resistance, it retains its hardness better than the yellow point as the temperature increases. Thus, the red point is advantageous for hard rock applications, which is where extreme point temperatures are typically seen. The trade off is that due to the higher hardness of the point, it is more brittle, and thus more susceptible.



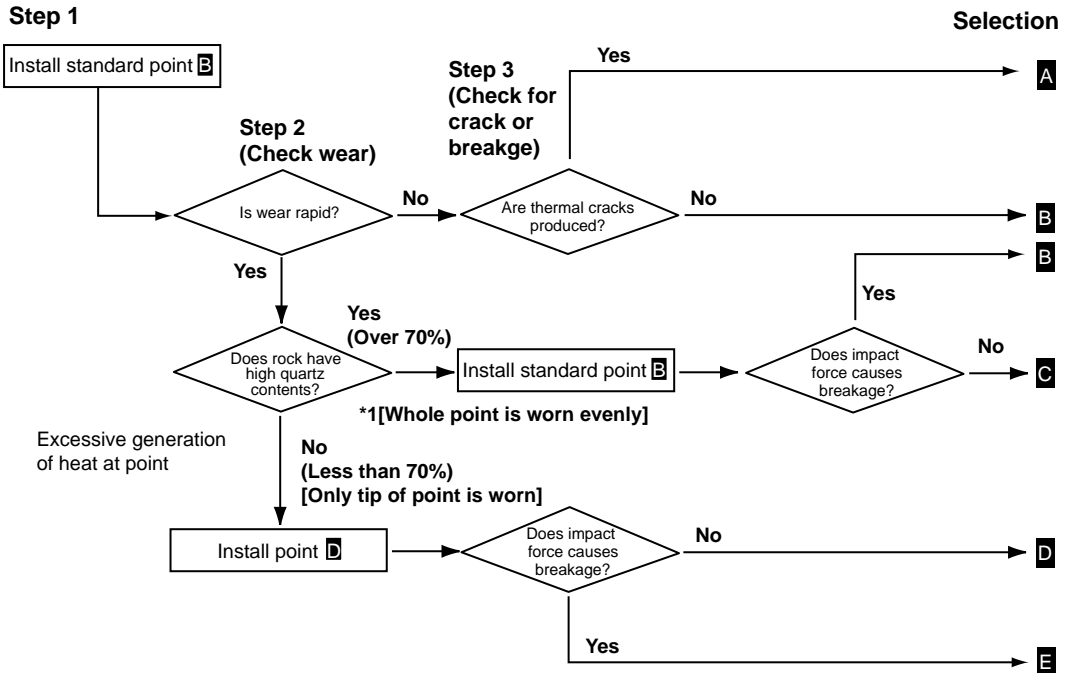
Long	Has a wear life 1.5 ~ 2.0 times greater than the short point, but its strength is inferior to the short point because of its extra length.
Short	Compared with the long point, it has superior strength, but has inferior wear life compare to the long point.
Non-symmetric type	<p>This has a self-sharpening shape, so it always retains its cutting edge, and provides a long life on jobsites where there is soft rock and penetration ability is not required. The rib provided only on the top surface wears gradually under the flow of the soil, and there is no change in the penetration surface pressure.</p> <p> $P = \frac{R1}{A \times B}$ P = Penetration surface pressure R1 = Input </p>
Symmetric type (can be turned)	<p>On hard rock where penetration ability is needed, it is possible to restore the penetration ability by turning the point.</p>

The table below gives a summary of the features of each type of point.

Length	Color	Shape	Seismic velocity	Wear tolerance	Strength, resistance to impact	Abnormal wear	Penetration	Cost	
Short	Yellow	Symmetric type	No particular limit	○	⊙	○	⊙	4	
		Non symmetric type					○		
	Red	Symmetric type			○	⊙	⊙		2
		Non symmetric type			○	○			
Long	Yellow	Non symmetric type	(As a guideline) Max. 1500m/sec		○	○	○	3	
	Red	Non symmetric type			△	⊙	○	1	

Key ⊙: Good, ○: Average, △: Poor
 Cost: 1 (Most expensive), 4 (Least expensive)

Procedure for selection



Selection	Typical rock			Suitable point		Availability												
	Hardness	Type of rock	Features		Shape	D85EX-18	D85EX-15E0	D85EX-8	D275A-5E0	D275A-5R	D155A-6	D155AX-6	D155AX-7	D155AX-8	D375A-6	D375A-6R	D375A-8	D475A-5E0
A	Soft ↕ Hard	Shale, lime stone	<ul style="list-style-type: none"> Little quartz, little wear Deposited in layers, so ripping is easy 	Point for limestone					○	○					○	○		○
B	Soft ↕ Hard	All types of general rock	—	Standard point		○	○	○	○	○					○	○		○
C	Soft ↕ Medium	Sandstone	<ul style="list-style-type: none"> Proportion of quartz is extremely high (70%-95%), point wears rapidly 	Non-symmetric Shape		○	○	○	○	○								
D	Soft	Basalt andesite, granite, chert	<ul style="list-style-type: none"> Proportion of quartz is not so high (40%-70%) Rock is not composed of layers or seams, so heat is generated at point, point wears rapidly, ripping is difficult 	Non-Symmetric Shape		○	○	○	○	○								
E	Hard			Symmetric Shape		○	○	○	○	○	○							

* 1: When the point is worn uniformly, not only the tip of the point is worn, but also the thickness of the housing metal (place where shank enters) is also worn. On job sites where wear is rapid, it does not necessarily mean that the red point is suitable. There are many reasons why the point wears. Of these, rock hardness and the silica content are major causes. Therefore, even on soft rock, if there is a high silica content, there will be rapid wear of the point even though the temperature of the point does not rise greatly. As explained under the features of the red point, in such job sites, the advantages of the red point cannot be made use of. (On these job sites, there is no great difference in the wear life between the red and yellow points.)

Not all material can be ripped. Whether or not a rock can be ripped can be determined by any of the following methods:

- 1) By the type of rock
- 2) By an indoor rock test
- 3) By a field rock test
- 4) By a digging test with the ripper in the field.

Method 4) is most effective. If the user has no experience in ripping, an actual ripping operation should be demonstrated for the user by an operator experienced in ripping. Methods 1) and 3) are described below :

Determination of rippability by type of rock

Rocks are classified into sedimentary (aqueous), igneous, and metamorphic. The following general rules apply:

- 1) Sedimentary rocks such as sandstone, limestone, and shale can be ripped easily. Sedimentary rocks are usually found stratified in layers which vary in thickness. The thinner the layers, the easier it is to rip them.
- 2) Igneous rocks such as granite, basalt, and andesite are not found in distinct layers or cleavage planes, and this makes them difficult to rip.
- 3) Metamorphic rocks such as gneiss, schist, and quartzite vary in rippability according to the degree of stratification or cleavage.

Rippability depends not only on the type of rock, but also on the degree of weathering or fracturing.

Characteristics which determine the ease of rippability are summarized below.

• **Favorable rock for ripping**

- Stratified
- Weathered
- Brittle, crystalline nature
- High degree of laminations or thin layers.
- Fractured
- Faults or planes of weakness.

• **Unfavorable rock for ripping**

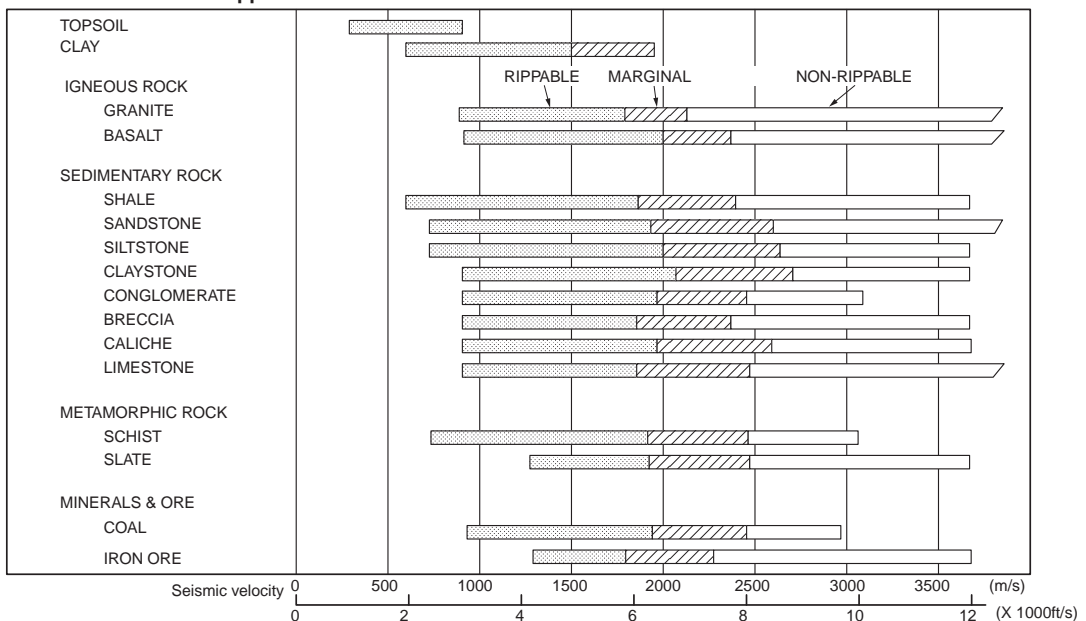
- Fine-grained with a solid cementing agent.
- Moisture, which tends to solidify the rock surface layer.
- Lacking planes of weakness
- Massive and homogeneous
- Non-crystalline and not brittle

Determination of rippability by in-the-field rock test.

Seismic wave velocity tests are used to estimate the rippability of rock. In this test, an artificial earthquake is introduced and the travel speeds of seismic waves through different kinds of sub-surface materials are measured. Thus the degree of consolidation, thickness of sub-surface layers, hardness, degree of fracturing, stratification, and weathering can be determined .

The chart below compares ripper performance to seismic velocities. It should be used **ONLY A ROUGH GUIDE**, because ripper performance is subject to many other conditions.

D155A/D155AX Giant Ripper

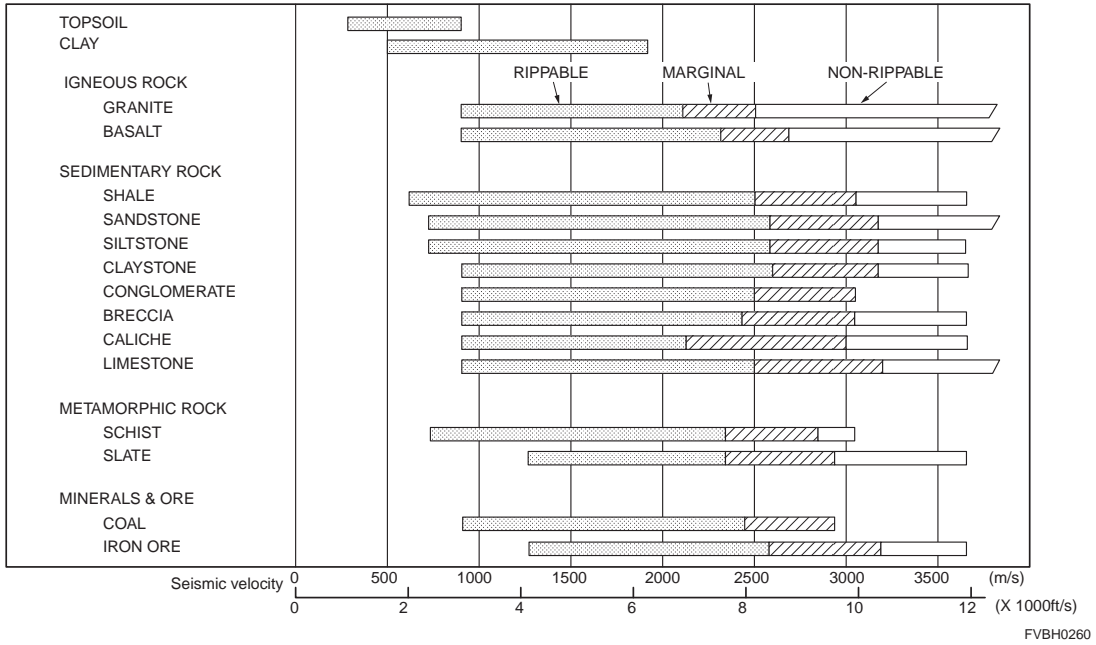


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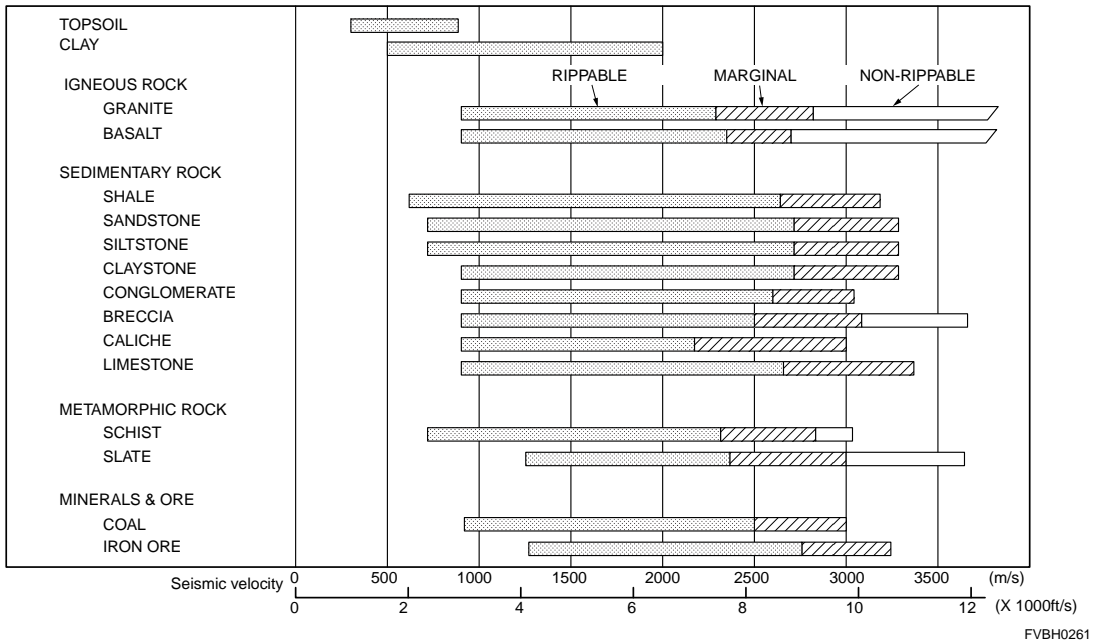
Note: Hourly production is for reference purposes only. Actual production vary depending on several conditions of the working site.

The chart below compares ripper performance to seismic velocities. It should be used ONLY A ROUGH GUIDE, because ripper performance is subject to many other conditions.

D275A / D275AX Giant Ripper

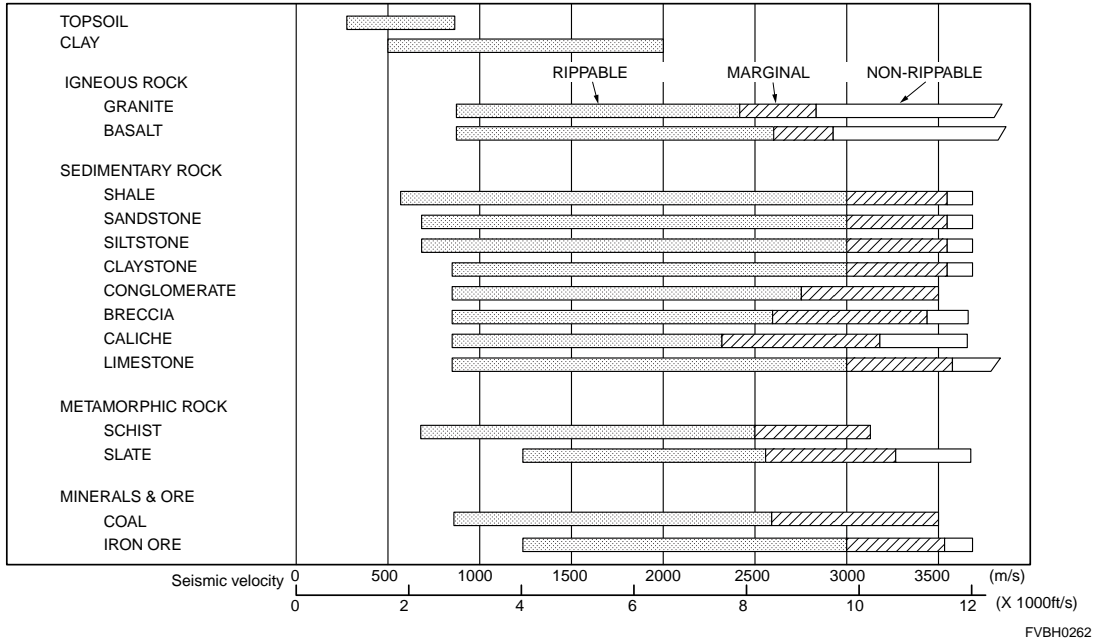


D375A Giant Ripper

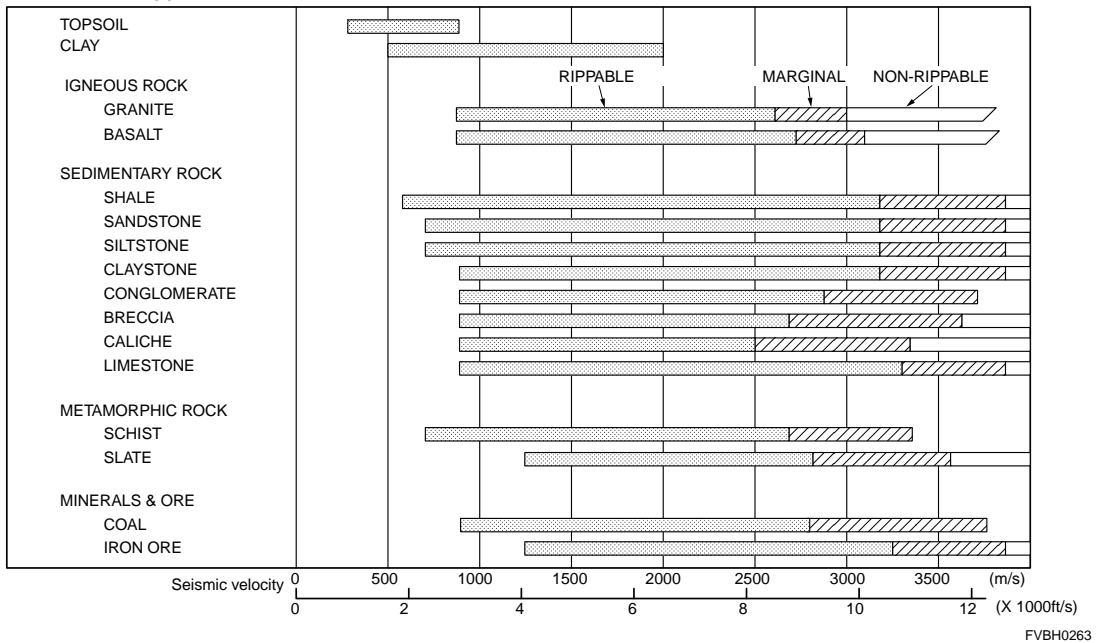


Note: Hourly production is for reference purposes only. Actual production vary depending on several conditions of the working site.

D475A Giant Ripper



D575A Giant Ripper



Note: Hourly production is for reference purposes only. Actual production vary depending on several conditions of the working site.

Since ripper performance varies considerably with the characteristics of the rocks, the work methods, and operator's skill, it is impossible to estimate performance accurately. However, based on accumulated data, the relationship between seismic wave velocity and production can be ESTIMATED ROUGHLY as shown in the graph. This graph applies only to ripping operations.

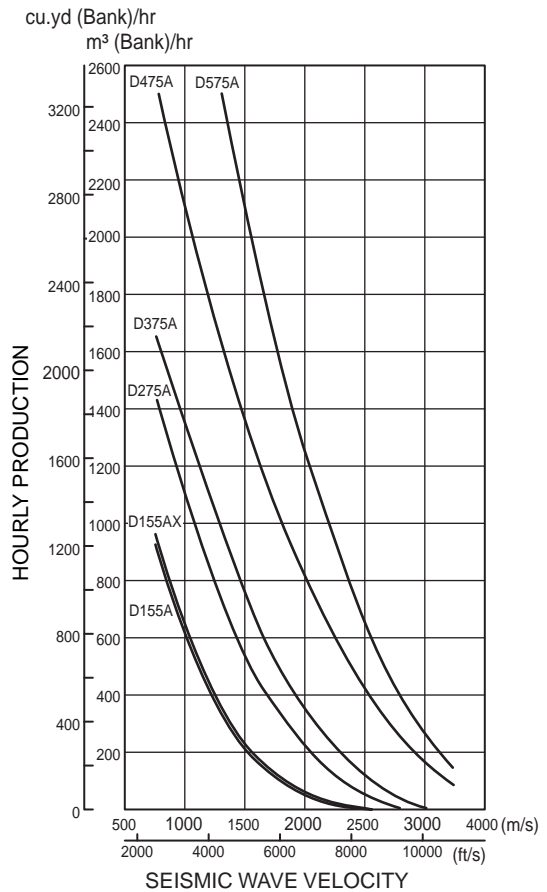
This graph is based on numerous field studies.

Actual production should be estimated as follows.

$$\text{Actual production} = (\text{Standard production}) \times (\text{Job efficiency})$$

Job Efficiency (E)

Operation conditions	E
Good (45 min out of an hour use)	0.75
Average (35 min out of an hour use)	0.58
Rather poor (30 min out of an hour use)	0.50
Poor (25 min out of an hour use)	0.40



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Conditions

- 1) Ripping production only
- 2) Bulldozers with single shank rippers
- 3) 100% job efficiency

NOTE: Production is given in bank.

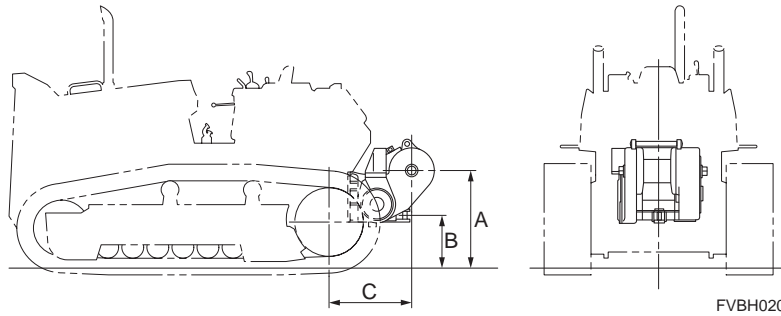
Note: Hourly production is for reference purposes only. Actual production vary depending on several conditions of the working site.

SECTION **2D**

TOWING WINCHES

CONTENTS

Specifications 2D-2



FVBH0201

Item		Model	D68ESS-12E0	D85ESS-2		
Type			Wet type	Wet type		
Weight	kg (lb)		1550 (3,420)	1290 (2,840)		
DIMENSION						
A: Ground to drum center	mm (ft.in)		1145 (3'9")	1201 (3'11")		
B: Ground to hitch center	mm (ft.in)		610 (2')	650 (2'2")		
C: Sprocket center to drum center	mm (ft.in)		945 (3'1")	1066 (3'6")		
Drum dimension:						
Length	mm (ft.in)		975 (3'2")	1005 (3'4")		
Width	mm (ft.in)		996 (3'3")	1070 (3'6")		
Height	mm (ft.in)		980 (3'3")	980 (3'3")		
Drum diameter	mm (ft.in)		254 (10")	254 (10")		
Flange diameter	mm (ft.in)		510 (1'8")	510 (1'8")		
Drum width	mm (ft.in)		320 (1'1")	320(1'1")		
Cable:						
Cable dia. × length	mm × m (in × ft)		26 × 65 (1.02 × 213)	26 × 73 (1.02 × 240)		
Performance:						
Line speed:						
Bare drum	m/min. (FPM)		F28 (92) R63 (207)	F28 (92) R63 (207)		
Full drum	m/min. (FPM)		F48 (157) R110 (361)	F48 (157) R110 (361)		
Line pull:						
Bare drum	kg (lb)		31400 (69,220)	31400 (69,220)		
Full drum	kg (lb)		18200 (40,120)	18200 (40,120)		

SECTION **2E**

PIPELAYERS

CONTENTS

Features	2E-2
Specifications	2E-3
Lifting Capacity	2E-4

Faster, effortless winch control

- Komatsu pipelayers require only three levers for winch control, one each for the transmission, hook and boom.
- Choice of hook speeds for raising and lowering facilitates stringing, cradling and lowering in.

Big lifting capacity

- Komatsu pipelayers have the largest lifting capacity in their respective classes.
- Adjustment of the counterweights is made hydraulically and conveniently by a lever beside the operator's seat for machine balance.

Safe operation

- Komatsu pipelayers offer safety features to keep operators working confidently.
- All machines are standardly equipped with an automatic boom maximum stopper device.
- There is a free-fall setting on the hook control lever for use during an emergency.
- Komatsu pipelayers have a closed-type winch brake that prevents slips during operation in wet weather.
- Because the hook wires are located away from the operator, danger in the event of a wire cut is minimized.

Proven, stable undercarriage

- Main components of these three machines are basically the same as those of the Komatsu D355A, D155A and D85A bulldozers. They have a proven record for reliable and durable performance, plus easy maintenance.
- A wide track gauge, large length of track on ground and counterweights give these pipelayers more stability to operate on steep slopes .

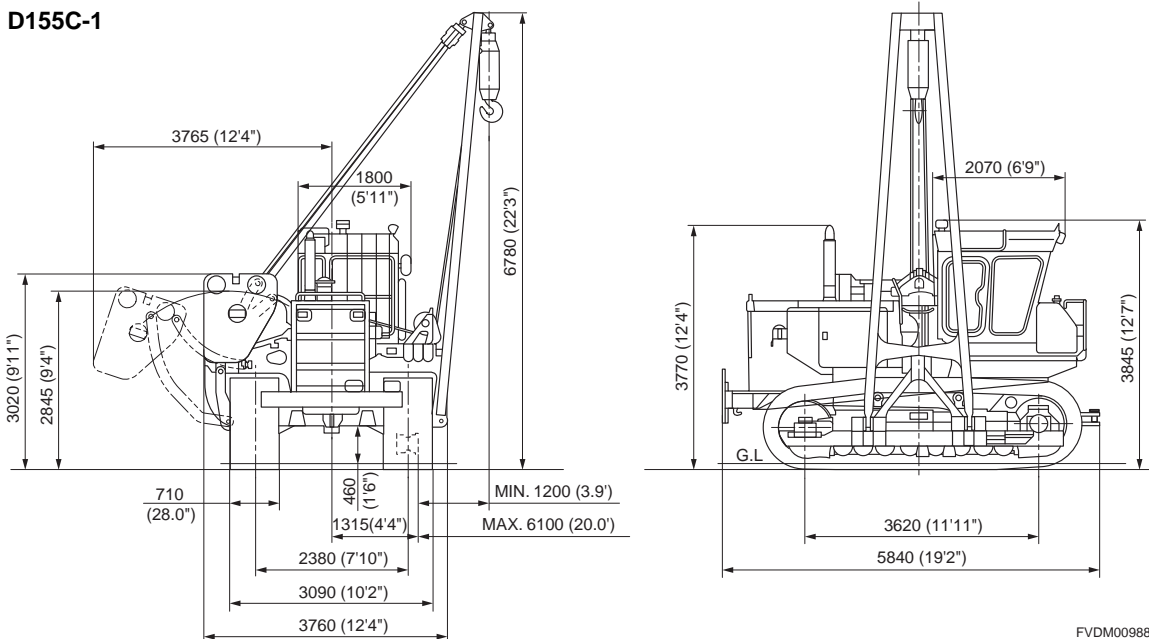
Item	Model	D85C-21	D155C-1	D355C-3	D355C-3***
OPERATING WEIGHT	kg (lb)	30050 (66,250)	45800 (100,970)	57850 (127,540)	62000 (136,690)
MAX. LIFTING CAPACITY	kg (lb/kN)	41000 (90,390/402)	70000 (154,320/686)	92000 (202,820/902)	93000 (205,030/912)
HORSEPOWER	kW (HP)/RPM				
SAE J1995 Gross		168 (225)/2000	239 (320)/2000	269 (360)/2000	277 (372)/2000
ISO 9249/SAE J1349 Net					269 (360)/2000
DIMENSIONS:					
Overall length	mm (ft.in)	4805 (15'9")	5840 (19'2")	6030 (19'9")	6115 (20'1")
Overall width*	mm (ft.in)	3490 (11'5")	3760 (12'4")	4405 (14'5")	4405 (14'5")
Overall height	mm (ft.in)	3640 (11'11")	3845 (12'7")	3925 (12'11")	3925 (12'11")
Track gauge	mm (ft.in)	2250 (7'5")	2380 (7'10")	2550 (8'4")	2550 (8'4")
Length of track on ground	mm (ft.in)	2730 (8'11")	3620 (11'11")	3750 (12'4")	3750 (12'4")
Ground contact area	cm ² (sq.in)	33300 (5,160)	51400 (7,967)	64500 (10,000)	64500 (9,998)
Ground pressure	kg/cm ² (PSI/kPa)	0.90 (12.8/88.3)	0.89 (12.66/87.3)	0.90 (12.8/88.3)	0.96 (13.7/94.1)
PIPELAYING EQUIPMENT:					
Hook speeds:(bare drum)	m/min (FPM)				
Raise	1st	9.6 (31.5)	6.0 (19.7)	5.5 (18.0)	6.8 (22.3)
2nd		21.7 (71.2)	13.8 (45.3)	12.7 (41.7)	13.3 (43.6)
Lower	1st	9.3 (30.5)	4.8 (15.7)	4.5 (14.8)	6.8 (22.3)
2nd		21.1 (69.2)	11.1 (36.4)	10.2 (33.5)	13.3 (43.6)
Boom: Length	mm (ft.in)	5500 (18'1")	6200 (20'4")	7300 (23'11")	8500 (18,740)
Winch: Type		H.C**	H.C**	H.C**	H.C**
ENGINE:					
Model		KOMATSU S6D125	KOMATSU SA6D140	KOMATSU SA6D140	Komatsu SA6D140-2
No. of cylinders- bore × stroke	mm (in)	6-125 × 150 (4.92 × 5.91)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6 - 140 x 165 (5.51 x 6.50)
Piston displacement	ltr (cu.in)	11.04 (674)	15.24 (930)	15.24 (930)	15.24 (930)
PERFORMANCE:					
Travel speeds	km/h (MPH)				
Forward/Reverse	1st	3.5 (2.2)/4.7 (2.9)	3.6 (2.2)/4.4 (2.7)	3.3 (2.1)/3.9 (2.4)	3.5 (2.2)/4.2 (2.6)
2nd		6.5 (4.0)/8.3 (5.2)	6.6 (4.1)/7.8 (4.8)	5.9 (3.7)/7.0 (4.3)	6.2 (3.9)/7.7 (4.8)
3rd		10.7(6.6)/13.3(8.3)	11.2(7.0)/12.4(7.7)	9.8(6.1)/11.0(6.8)	10.5 (6.5)/11.2 (7.0)
UNDERCARRIAGE:					
No. of rollers	(Carrier/track)	2/6	2/8	2/8	2/8
Shoe width					
Standard	mm (in)	610 (24.0)	710 (28.0")	860 (34.0)	860 (34)
Optional	mm (in)	660 (26.0)	760 (30.0")	960 (38.0)	
		710 (28.0)		1010 (40.0)	

* : Counterweight retracted, excluding boom

** : Hydraulically-controlled, double-drum, reversible

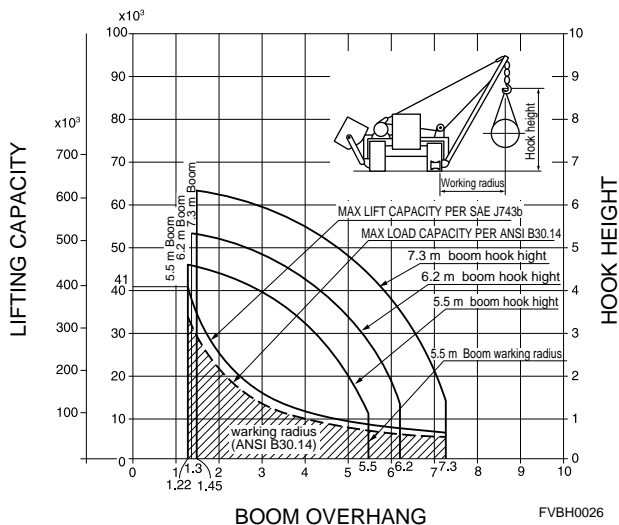
*** : Hydraulic drive winch type

D155C-1

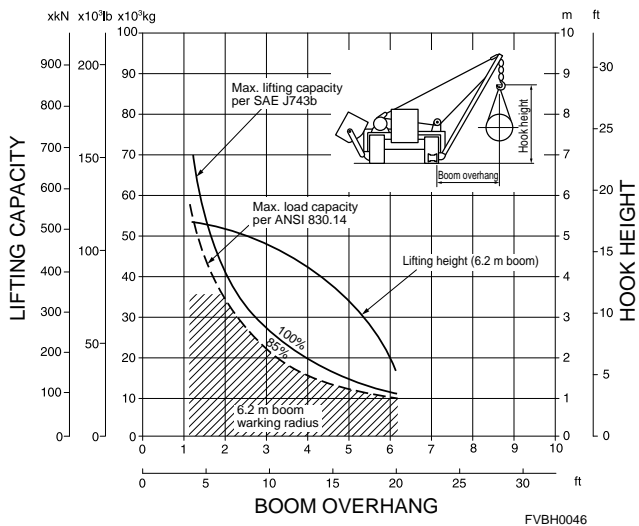


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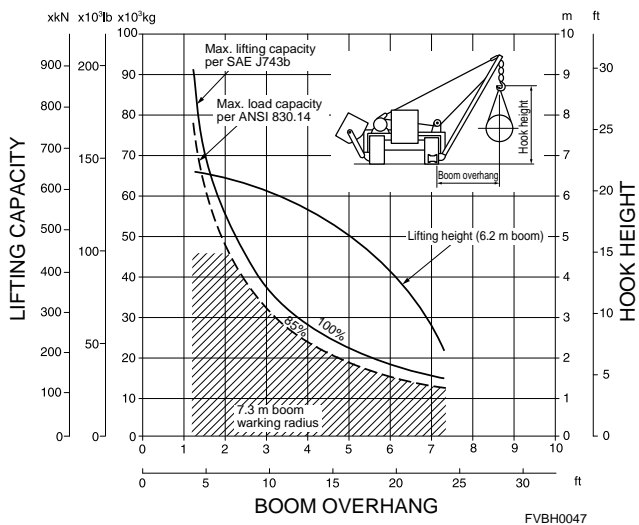
D85C-21



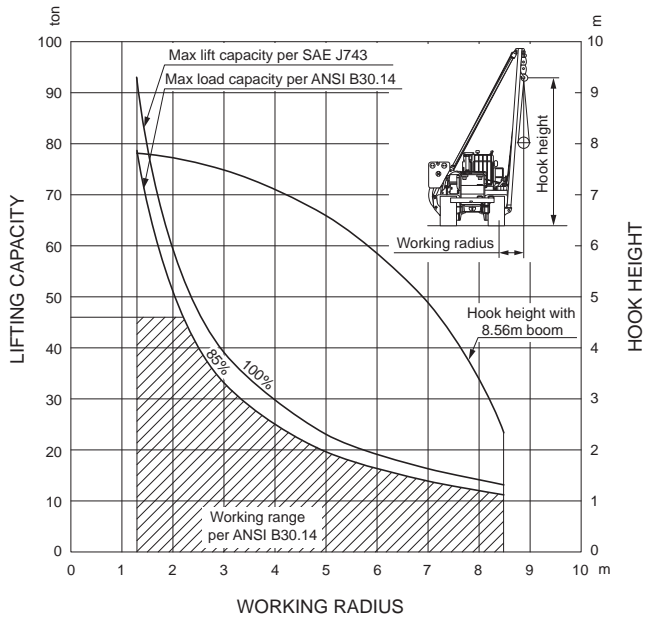
D155C-1



D355C-3



D355C-3 (Hydraulic drive winch type)



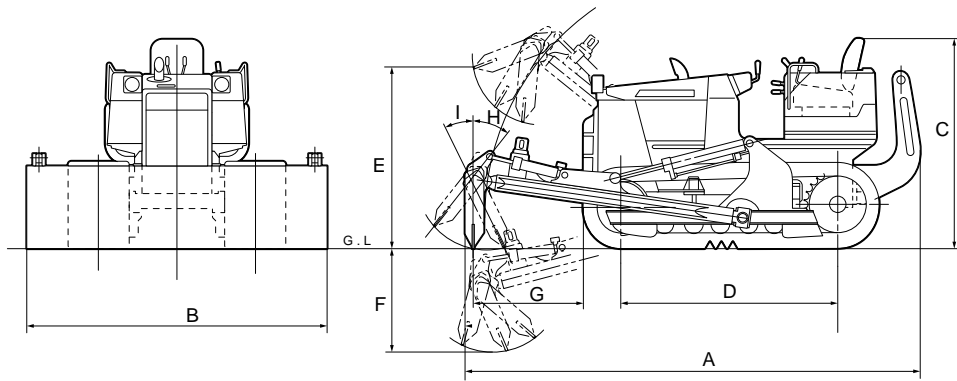
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SECTION **2F**

TRIMMING DOZERS

CONTENTS

Specifications2F-2



Item	Model	D31PX-22M0*5	D65EX-16*5	D85EX-15*5
OPERATING WEIGHT*	kg (lb)	9255 (20,400)	21400 (47,180)	26540 (58,510)
HORSEPOWER	kW (HP)/RPM	58 (77.7)/2200	140 (188)/1950	179 (240)/1900
PERFORMANCE:	km/h (MPH)			
Travel speed				
Forward				
1st		3.4 (2.1)	3.6 (2.2)	3.6 (2.2)
2nd		5.6 (3.5)	5.5 (3.4)	6.1 (3.8)
3rd L/3rd		8.5 (5.3)	7.2 (4.5)/11.2 (7.0)	10.1 (6.3)
Reverse				
1st		4.1 (2.5)	4.4 (2.7)	4.7 (2.9)
2nd		6.5 (4.0)	6.6 (4.1)	8.0 (5.0)
3rd L/3rd		8.5 (5.3)	8.6 (5.3)/13.4 (8.3)	13.0 (8.1)
DIMENSIONS:*				
A Overall length	mm (ft.in)	5080 (16'8")	6390 (21'0")	6690 (21'11")
B Overall width	mm (ft.in)	2880 (9'5")	3210 (10'6")	3410 (11'2")
C Overall height	mm (ft.in)	2800 (9'2")	3155 (10'4")	3290 (10'10")*4
D Length of track on ground	mm (ft.in)	2185 (7'2")	2980 (9'9")	3050 (10'0")
Ground pressure	kg/cm ² (P.S.I)	0.35 (5.0)	0.7 (10.0)	0.78 (11.1)
Shoe width		600 (24") Swamp	510 (20") Triple	
DOZER EQUIPMENT:				
Weight (includes hydraulic control unit)	kg (lb)	1515 (3,340)	2550 (5,620)	3810 (8,400)
Length	mm (ft.in)	2880 (9'5")	3210 (10'6")	3410 (11'2")
Height	mm (ft.in)	760 (2'6")	1000 (3'3")	1185 (3'11")
E Max. lift above ground	mm (ft.in)	1625 (5'4")	1610 (5'3")	1730 (5'8")
F Max. drop below ground	mm (ft.in)	655 (2'2")	685 (2'3")	900 (2'11")
G Breast dimension	mm (ft.in)	1315 (4'4")	1550 (5'1")	1620 (5'4")
Max. pitch adjustment				
H Forward	degree	37	29	35
I Reverse	degree	26	22	35

* : Including dozer equipment in addition to bare tractor

** : Including cab and air conditioner

*** : To top of cab

*4: To top of ROPS

*5: With ROPS & cab

EXCAVATORS (BACKHOE)	Sec 3A
LIFTING CAPACITY	Sec 3B
ATTACHMENTS	Sec 3C
HYDRAULIC LOADING SHOVELS	Sec 3D
WHEEL-TYPE EXCAVATORS	Sec 3E
DEMOLITION	Sec 3F
SCRAP & MATERIAL HANDLING	Sec 3G
SPECIAL APPLICATION MACHINES	Sec 3H

SECTION **3A**

EXCAVATORS (BACKHOE)

CONTENTS

Features 3A-2
Specifications 3A-9
Dimensions 3A-40
Working Ranges and Digging Forces 3A-56
Component Dimensions and Weights 3A-68
Shoe Selection 3A-88
Ground Pressure 3A-94
Bucket Capacity Definition 3A-106
Bucket Selection 3A-107
Bucket and Arm Combinations 3A-109
Teeth Features and Teeth Selection 3A-123
Model Selection 3A-130



PC210/PC210LC-10M0

Increase Productivity

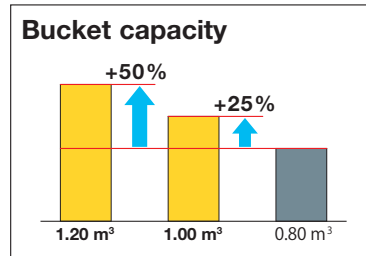
Large capacity buckets

Bucket selection up to 1.20 m³ are available. It can be matched for various applications.

Bucket capacity

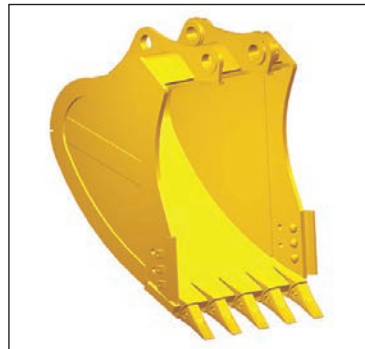
1.00 m³ (Allowed material density: 1.8 t/m³)

1.20 m³ (Allowed material density: 1.5 t/m³)



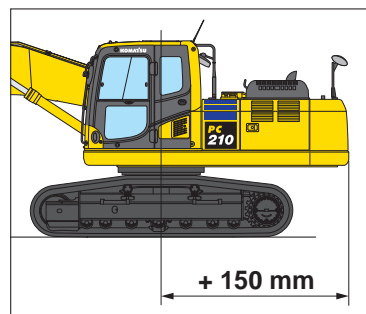
1.00 m³ HD bucket & 1.20 m³ GP bucket

By optimizing the shape of the side edge, it increases the penetration force. And Me bucket shape increases the production and has an effect on fuel consumption and wear reduction.



Excellent stability

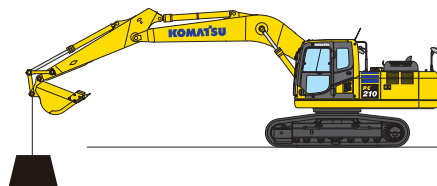
Stability is greatly improved by increasing weight of counterweight and extending the rear end radius compared with the PC200-8M0. Lifting capacity also increased by 5%. This makes a smooth operation feeling, even being equipped with large capacity bucket or heavy attachment, possible to obtain. PC210-10M0 will increase your productivity more than ever.



Lifting capacity

5% up

(Compared to the PC200-8M0)



Powerful digging operation

Digging in P mode became powerful by improving hydraulic control. When more power is needed, the engine output is powered up by the one-touch power max. function, and you can dig stronger. Increasing engine power achieved high performance.

Engine power

12% up (123 kW ⇄ 110 kW)
(Compared to the PC200-8M0)

Improvement of engine combustion efficiency

By optimizing the fuel injection control, the engine combustion efficiency is improved. This technology achieved both high power output and low fuel consumption.

Reduction of hydraulic pressure loss

The internal shape of the control valves, piping diameter and fitting shape have been thoroughly revised. With this improvement, hydraulic loss is reduced more than ever. It contributes to low fuel consumption.

Reduced fan speed and fan drive loss

A speed controlled viscous fan clutch and large diameter fan improves engine efficiency and reduces engine power requirements when operating in cooler temperatures.

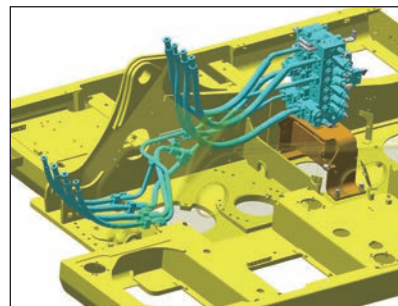
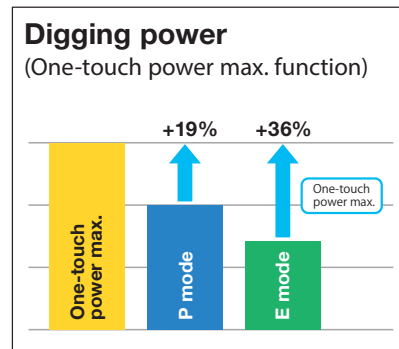
Enhanced engine-pump matching control

Large displacement hydraulic main pumps provide high flow output at low engine RPM. Furthermore, by building in optimum matching of the engine and pumps, it keeps high operability and workability. This technology achieved a large production and low fuel consumption.

Fuel consumption

20% better
(Compared to the PC200-8M0)

26% better
(Compared to the PC200-8)



Maintenance is Also Part of the Operating Cost. Komatsu Pursued Reduction of Maintenance Time and Cost.

Easy access to filters

Engine oil and fuel system filters are integrated into one side to allow easy maintenance and service.



Easy cleaning cooling unit

Cleanability of the cooling unit has been improved. It is effective in the field of forestry and agriculture.

- Easier cleaning of the core by making the automatic air conditioner (A/C) capacitor a hinge structure
- Dustproof net does not require tools for desorption
- Making oil cooler a single piece from 2 pieces, no more space accumulating dust



Easy oil sampling (Optional)

Easy oil sampling ports are added.

It is important to get sample that is agitated properly. Using this equipment will help accurate analysis.



Extended replacement interval of hydraulic oil filter

The replacement interval of the hydraulic oil filter element is extended by 2.5 times. It contributes to reduction of maintenance cost.

1000 h ⇒ 2500 h



Detect abnormality of hydraulic circuit Clogging sensor for hydraulic oil as standard

When the hydraulic oil filter is clogged, the caution message pops up on the monitor to notify replacing the filter. It is possible to suppress repair cost due to breakdown.



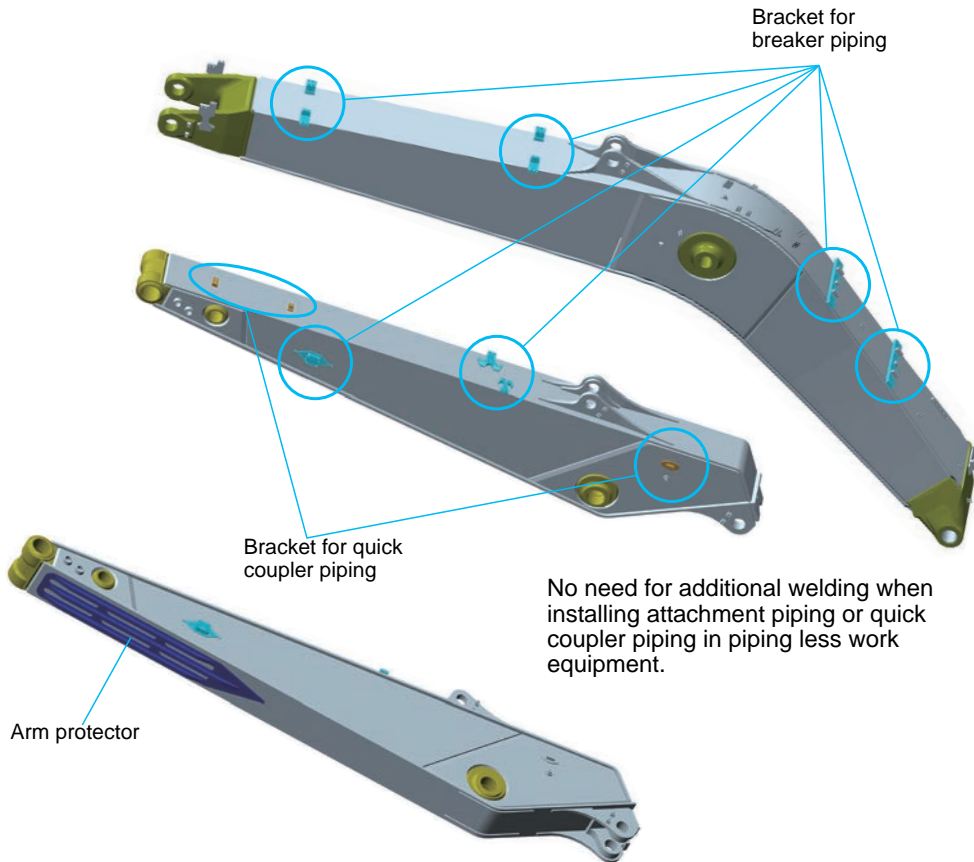
Clogging hydraulic oil filter caution

Clogging sensor for breaker line (Optional)

**High Strength Work Equipment & Frames to Work with Large Bucket.
It has Durability to Withstand Any Application.**

Enhanced work equipment

Komatsu thoroughly investigated and analyzed the customer's jobsite and built in working machines with sufficient durability in any application of operation. Designed by state-of-the-art strength analysis technology. Komatsu incorporated an original casting technology in the most loaded part. Durability is greatly improved by highly accurate controlled welding technology. It is a structure that endured the harsh test. Ultrasonic inspection ensures its quality.

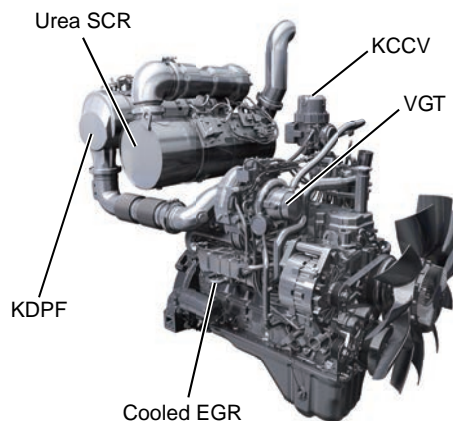




PC210/PC210LC-11

New Tier 4 Final / Stage 4 certified Engine

The Komatsu SAA6D107E-3 engine is EPA Tier 4 Final emissions certified and provides exceptional performance and efficiency. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces nitrogen oxides (NOx) by more than 80% when compared to Tier 4 Interim levels. Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.



Komatsu Auto Idle Shutdown

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The countdown to engine shutdown can be easily programmed from 5 to 60 minutes.

Enhanced Productivity

The PC210LC-11's P Mode provides improved performance in demanding applications.

Productivity

Up to 4% increase

(Compared to the PC210LC-10 in standard P Mode*)

* Pmode (90 degree swing truck loading)



Increased Work Efficiency

Powerful digging force

Functional digging force can be increased with used the one-touch Power Max. function (up to 8.5 seconds of operation).

Maximum arm crowd force (ISO)

7% up

101 kN (10.3 t) ⇒ 108 kN (11.0 t) (with Power Max.)

Maximum bucket digging force (ISO)

8% up

138 kN (14.1 t) ⇒ 149 kN (15.2 t) (with Power Max.)

(Measured with Power Max. function, 3045 mm arm and ISO rating)



HB365LC-3

Excellent Reliability In-house Development and Manufacturing Hybrid System

In Komatsu's unique hybrid system, the electric swing motor-generator captures and regenerates energy as the upper structure slows down and converts it into electric energy. The regenerated energy is stored in the capacitor and used by the motor-generator to assist the engine when it needs to accelerate. Thus, the hybrid system reduces fuel consumption significantly. Most components of the system are developed and manufactured by Komatsu.

The Hybrid System, New-generation Low-fuel-consumption Engine, and Total Vehicle Control System Reduce Fuel Consumption Even Further.

A new-generation low-fuel-consumption engine is integrated with an improved hybrid system on the Komatsu hybrid hydraulic excavator HB365LC-3. Along with the improved total vehicle control system, lower fuel consumption is achieved when it is compared with the PC360LC-10 while providing excellent operating performance equivalent to our existing models.

Fuel consumption

Reduced by 30% (vs PC300LC-8) /
22% (vs PC360LC-10)

(Based on typical work pattern collected via KOMTRAX.)

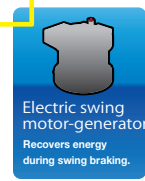
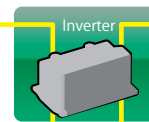
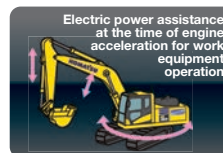
Fan Clutch

The fan clutch is used for optimum fan speed control to reduce fuel consumption and also contributes to further reducing the noise level.

External noise level

Reduced by 4dB (A) (vs PC360LC-10)

(Based on ISO 6395 dynamic test.)





PC500LC-10M0

Low Fuel Consumption Technology

Engine management is enhanced. The variable speed matching of the engine, hydraulic pump and a viscous fan clutch guarantee efficiency and precision. Through the in-house development and production of main components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.

Fuel consumption

Reduced by 11%
vs PC450-8

Based on typical work pattern collected via KOMTRAX.

This fuel consumption data is the result that compared actual measured value by using the prototype machine.

Increase Productivity

Productivity with ton/L is improved by large bucket capacity and upgrading basic performance. It improves productivity and economical performance.

Fuel efficiency (t/L)

21% increase
vs PC450-8

P mode (90 swing and loading onto truck)

Large capacity buckets

Bucket selection up to 3.10 m³ are available. It can be matched for various applications.

Bucket capacity

2.50 m³ (Allowed material density: 1.8 t/m³) &
3.10 m³ (Allowed material density: 1.5 t/m³)
7060 mm boom and 3380 mm arm

Bucket capacity for 2.4 m SE arm

HD bucket
3.50 m³ (Allowed material density: 1.8 t/m³)
GP bucket
4.00 m³ (Allowed material density: 1.5 t/m³)

Bucket capacity for 2.9 m SE arm

HD bucket
3.00 m³ (Allowed material density: 1.8 t/m³)
GP bucket
3.70 m³ (Allowed material density: 1.5 t/m³)



Komatsu SAA6D125E-5 engine
EU Stage 3A emission equivalent.
(CG image)

Powerful digging operation

Digging in P mode became powerful by improving hydraulic control. When more power is needed, the engine output is powered up by the one-touch power max. function (See next article), and you can dig stronger. Increasing engine power achieved high performance.

Engine horsepower

12% up (123 kW ⇄ 110 kW)
(Compared to the PC450-8)

Bucket digging force

9% up (303 kN ⇄ 277 kN)
(Compared to the PC450-8)



Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC01-1	PC09-1	PC14R-3	PC16R-3	
Source			Japan	Japan	Italy	Italy	
Emissions			—	—	—	—	
OPERATING WEIGHT*		kg (lb)	380 (840)	890 (1,960)	1440 (3,170)	1570 (3,460)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	2.6 (3.5)/3000	6.5 (8.7)/2200	11.2 (15.0)/2600	11.2 (15.0)/2600
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.008 (0.01)	0.016 ~ 0.025 (0.02) (0.03)	0.03 ~ 0.06 (0.04) (0.078)	0.03 ~ 0.06 (0.04) (0.078)	
PERFORMANCE:							
Swing speed		RPM	7	8.3	8.9	8.9	
Max travel speed		Hi Mi Lo	1.4 (0.9)	3.0 (1.9)	2 (1.2)	4.2 (2.6)	
DIMENSIONS: See the page of dimensions.							
ENGINE:			HONDA	KOMATSU	KOMATSU	KOMATSU	
Model			GX160T2	2D70E-5	3D67E	3D67E-2A	
No. of cylinders- bore × stroke		mm (in)	1-68 × 45 (2.67 × 1.77)		3-67 × 73.6 (2.64 × 2.90)	3-67 × 73.6 (2.64 × 2.90)	
Piston displacement		ltr. (cu.in)	0.163 (9.9)	0.569 (34.7)	0.778 (47.5)	0.778 (47.5)	
HYDRAULIC SYSTEM:						1 × Variable Piston	
Hydraulic pump			Gear pumps	Gear pumps	Gear pumps		
Max. oil flow		ltr. (U.S.Gal)/min.	10 (2.6)	22 (5.8)	40.8 (10.8)	40.8 (10.8)	
Max. oil pressure		kg/cm ² (PSI)	150 (2130)	160 (2275)	194 (2760)	214 (3040)	
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	130 (5)/ 0.17 (2.4)	180 (7) 0.25 (3.6)	230 (9)/ 0.27 (3.8)	230 (9)/ 0.30 (4.3)	
CAPACITY (Refilled):							
Fuel tank		ltr. (U.S.Gal)	4.5 (1.2)	11.0 (2.9)	19 (5.0)	19 (5.0)	
Hydraulic oil tank		ltr. (U.S.Gal)	4.8 (1.3)	9.0 (2.4)	12 (3.2)	12 (3.2)	
MACHINE SPEC:							
Boom		mm (ft.in)	920 (3'0")	1357 (4'5")	1620 (5'4")	1760 (5'9")	
Arm		mm (ft.in)	480 (1'7")	684 (2'3")	880 (2'11")	965 (3'2")	
Bucket (SAE)		m ³ (cu.yd)	0.008 (0.01)	0.022 (0.03)	0.04 (0.05)	0.04 (0.05)	
Upper attachment					ROPS Canopy	ROPS Canopy	

Item		Model	PC18MR-3	PC18MR-3	PC20MR-3	PC22MR-3	
Source			Japan	Italy	Japan	Italy	
Emissions			—	—	—	—	
OPERATING WEIGHT*		kg (lb)	1780 (3,920)	1840 (4,060)	2155 (4,750)	2425 (5,350)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	11.2 (15.0)/2600	11.2 (15.0)/2600	15.5 (20.8)/2500	15.5 (20.8)/2500
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.022 ~ 0.044 (0.029) (0.058)	0.03 ~ 0.06 (0.04) (0.078)	0.033 ~ 0.08 (0.043) (0.10)	0.035 ~ 0.085 (0.046) (0.11)	
PERFORMANCE:							
Swing speed		RPM	8.9	8.9	8.9	8.9	
Max travel speed		Hi Mi Lo	4.3 (2.7)	4.3 (2.7)	4.6 (2.9)	4.6 (2.9)	
DIMENSIONS: See the page of dimensions.							
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU	
Model			3D67E-2A	3D67E-2A	3D76E-6	3D76E	
No. of cylinders- bore × stroke		mm (in)	3-67 × 73.6 (2.64 × 2.90)	3-67 × 73.6 (2.64 × 2.90)	3-76 × 78 (2.99 × 3.07)	3-76 × 82 (2.99 × 3.22)	
Piston displacement		ltr. (cu.in)	0.778 (47.5)	0.778 (47.5)	1.115 (68.0)	1.115 (68.0)	
HYDRAULIC SYSTEM:			1 × Variable Piston+Gear pump	1 × Variable Piston+Gear pump	1 × Variable Piston+Gear pump	1 × Variable Piston+Gear pump	
Hydraulic pump			54.3 (14.3)	40.8 (10.8)	68.9 (18.2)	71 (18.8)	
Max. oil flow		ltr. (U.S.Gal)/min.		235 (3340)	250 (3555)	250 (3555)	
Max. oil pressure		kg/cm ² (PSI)		230 (9)/ 0.29 (4.1)	230 (9)/ 0.28 (4.00)	250 (10)/ 0.27 (3.8)	
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)		250 (10)/ 0.27 (3.8)	250 (10)/ 0.27 (3.8)	250 (10)/ 0.25 (3.56)	
CAPACITY (Refilled):							
Fuel tank		ltr. (U.S.Gal)	19 (5.0)	19 (5.0)	28 (7.4)	28 (7.4)	
Hydraulic oil tank		ltr. (U.S.Gal)	15.2 (4.0)	12 (3.2)	19 (5.0)	29 (7.7)	
MACHINE SPEC:							
Boom		mm (ft.in)	1760 (5'9")	1760 (5'9")	1810 (5'11")	1810 (5'11")	
Arm		mm (ft.in)	965 (3'2")	965 (3'2")	970 (3'2")	970 (3'2")	
Bucket (SAE)		m ³ (cu.yd)	0.044 (0.058)	0.04 (0.05)	0.066 (0.086)	0.07 (0.09)	
Upper attachment			ROPS Canopy	ROPS Canopy	ROPS Canopy	ROPS Cab	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC26MR-3	PC30MR-5	PC30MR-5	PC30MR-3
Source			Italy	Japan	Italy	Japan, Thailand
Emissions			—	—	T3/S3A	T3/S3A
OPERATING WEIGHT*		kg (lb)	2710 (5,970)	3000 (6,610)	3290 (7,250)	3140 (6,920)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	18.2 (24.4)/2200 17.4 (23.3)/2200	18.2 (24.4)/2200 17.4 (23.3)/2200	21.4 (28.6)/2400
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.035 ~ 0.085 (0.046) (0.11)	0.035 ~ 0.11 (0.05) (0.14)	0.03 ~ 0.10 (0.04) (0.13)	0.035 ~ 0.11 (0.045) (0.14)
PERFORMANCE:						
Swing speed		RPM	8.9	9.0	9.0	9.3
Max travel speed		Hi Mi Lo km/h (MPH)	4.0 (2.5)	4.6 (2.9)	4.6 (2.9)	4.6 (2.9)
			2.5 (1.6)	2.6 (1.6)	2.6 (1.6)	2.5 (1.6)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			3D76E	3D88E-7	3D88E-7	3D88E-6
No. of cylinders- bore × stroke		mm (in)	3-76 × 82 (2.99 × 3.22)	3-88 × 90 (3.46 × 3.54)	3-88 × 90 (3.46 × 3.54)	3-88 × 90 (3.46 × 3.54)
Piston displacement		ltr. (cu.in)	1.115 (68.0)	1.642 (100)	1.642 (100)	1.642 (100)
HYDRAULIC SYSTEM:			1 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	1 × Variable Piston+Gear pump
Hydraulic pump		ltr. (U.S.Gal)/min.	69.1 (18.3)	87.2 (23.0)	100 (26.4)	89.6 (23.6)
Max. oil flow		kg/cm ² (PSI)	250 (3555)	265 (3770)	275 (3910)	265 (3770)
Max. oil pressure						
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	300 (12)/ 0.25 (3.6)	300 (12)/ 0.30 (4.3)	300 (12)/ 0.30 (4.3)	300 (12)/ 0.30 (4.3)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	28 (7.4)	40.6 (10.7)	41 (10.8)	44 (11.6)
Hydraulic oil tank		ltr. (U.S.Gal)	30 (7.9)	20 (5.3)	20 (5.3)	14 (3.7)
MACHINE SPEC:						
Boom		mm (ft.in)	2200 (7'3")	2285 (7'6")	2285 (7'6")	2285 (7'6")
Arm		mm (ft.in)	1115 (3'8")	1240 (4'1")	1240 (4'1")	1240 (4'1")
Bucket (SAE)		m ³ (cu.yd)	0.07 (0.09)	0.09 (0.12)	0.09 (0.12)	0.095 (0.12)
Upper attachment			ROPS Cab	ROPS canopy	ROPS cab	ROPS Canopy

Item		Model	PC35MR-5	PC35MR-5	PC35MR-3	PC45MR-5	
Source			Japan	Italy	Japan	Japan	
Emissions			—	T3/S3A	T3/S3A	T4F/S4	
OPERATING WEIGHT*		kg (lb)	3640 (8,020)	3725 (8,210)	3575 (7,880)	4990 (11,000)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	18.2 (24.4)/2200 17.4 (23.3)/2200	18.2 (24.4)/2200 17.4 (23.3)/2200	21.4 (28.6)/2400	29.1 (39)/2400 28.3 (38)/2400
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.055 ~ 0.09 (0.07) (0.12)	0.04 ~ 0.12 (0.05) (0.16)	0.055 ~ 0.13 (0.07) (0.17)	0.055 ~ 0.16 (0.07) (0.21)	
PERFORMANCE:							
Swing speed		RPM	9.0	9.0	9.2	9.0	
Max travel speed		Hi Mi Lo km/h (MPH)	4.6 (2.9)	4.6 (2.9)	4.8 (3.0)	4.6 (2.9)	
			2.6 (1.6)	2.6 (1.6)	2.8 (1.7)	2.6 (1.6)	
DIMENSIONS: See the page of dimensions.							
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU	
Model			3D88E-7	3D88E-7	3D88E-6	4D88E-7	
No. of cylinders- bore × stroke		mm (in)	3-88 × 90 (3.46 × 3.54)	3-88 × 90 (3.46 × 3.54)	3-88 × 90 (3.46 × 3.54)	4-88 × 90 (3.46 × 3.54)	
Piston displacement		ltr. (cu.in)	1.642 (100)	1.642 (100)	1.642 (100)	2.19 (134)	
HYDRAULIC SYSTEM:			2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	
Hydraulic pump		ltr. (U.S.Gal)/min.	87.2 (23.0)	100 (26.4)	92 (24.3)	216.3 (56.8)	
Max. oil flow		kg/cm ² (PSI)	265 (3770)	275 (3910)	265 (3770)	270 (3840)	
Max. oil pressure							
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	300 (12)/ 0.37 (5.2)	300 (12)/ 0.36 (5.1)	300 (12)/ 0.34 (4.8)	400 (16)/ 0.29 (4.1)	
CAPACITY (Refilled):							
Fuel tank		ltr. (U.S.Gal)	40.6 (10.7)	41 (10.8)	44 (11.6)	65 (17.2)	
Hydraulic oil tank		ltr. (U.S.Gal)	20 (5.3)	20 (5.3)	14 (3.7)	20 (5.3)	
MACHINE SPEC:							
Boom		mm (ft.in)	2540 (8'4")	2540 (8'4")	2540 (8'4")	2640 (8'8")	
Arm		mm (ft.in)	1720 (5'8")	1370 (4'6")	1370 (4'6")	1695 (5'7")	
Bucket (SAE)		m ³ (cu.yd)	0.09 (0.12)	0.11 (0.14)	0.11 (0.14)	0.14 (0.18)	
Upper attachment			ROPS canopy	ROPS cab	ROPS Canopy	ROPS cab	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Model		PC45MR-5M0	PC45MR-3	PC55MR-5	PC55MR-5M0	
Item						
Source		Italy	Japan, Thailand	Japan	Italy	
Emissions		T3/S3A	T3/S3A	T4F/S4	T3/S3A	
OPERATING WEIGHT*		kg (lb)	4950 (10,910)	4775 (10,480)	5270 (11,620)	5280 (11,640)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	28.5 (38.2)/2400	29.1 (39)/2400 28.3 (38)/2400	28.5 (38.2)/2400
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.055 ~ 0.16 (0.07) (0.21)	0.055 ~ 0.16 (0.07) (0.21)	0.055 ~ 0.18 (0.07) (0.24)	0.055 ~ 0.18 (0.07) (0.24)
PERFORMANCE:						
Swing speed		RPM	9.0	9	9.0	9.0
Max travel speed		Hi Mi Lo	4.6 (2.9)	4.8 (3.0)	4.6 (2.9)	4.6 (2.9)
DIMENSIONS: See the page of dimensions.			2.6 (1.6)	2.8 (1.7)	2.6 (1.6)	2.6 (1.6)
ENGINE:						
Model			KOMATSU 4D88E-6	KOMATSU 4D88E-6	KOMATSU 4D88E-7	KOMATSU 4D88E-6
No. of cylinders- bore × stroke		mm (in)	4 - 88 × 90 (3.46 × 3.54)	4 - 88 × 90 (3.46 × 3.54)	4 - 88 × 90 (3.46 × 3.54)	4 - 88 × 90 (3.46 × 3.54)
Piston displacement		ltr. (cu.in)	2.19 (134)	2.189 (134)	2.19 (134)	2.19 (134)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump
Max. oil flow		ltr. (U.S.Gal)/min.	152.8 (40.4)	140.8 (37.2)	216.3 (56.8)	152.8 (40.4)
Max. oil pressure		kg/cm ² (PSI)	270 (3840)	270 (3840)	270 (3840)	270 (3840)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	400 (16)/ 0.28 (4.0)	400 (16)/ 0.27 (3.8)	400 (16)/ 0.30 (4.3)	400 (16)/ 0.30 (4.3)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	65 (17.2)	65 (17.2)	65 (17.2)	65 (17.2)
Hydraulic oil tank		ltr. (U.S.Gal)	20 (5.3)	20 (5.3)	20 (5.3)	20 (5.3)
MACHINE SPEC:						
Boom		mm (ft.in)	2640 (8'8")	2640 (8'8")	2900 (9'6")	2900 (9'6")
Arm		mm (ft.in)	1375 (4'6")	1375 (4'6")	1640 (5'5")	1640 (5'5")
Bucket (SAE)		m ³ (cu.yd)	0.15 (0.20)	0.14 (0.18)	0.16 (0.21)	0.15 (0.20)
Upper attachment			ROPS cab	ROPS Canopy	ROPS cab	ROPS cab

Model		PC55MR-3	PC56-7		
Item					
Source		Japan	China		
Emissions		T3/S3A	—		
OPERATING WEIGHT*		kg (lb)	5160 (11,380)	5300 (11,680)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	28.5 (38.2)/2400	36.5 (48.9)/2300 34.6 (46.4)/2300
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.055 ~ 0.16 (0.07) (0.21)	0.055 ~ 0.22 (0.072) (0.29)	
PERFORMANCE:					
Swing speed		RPM	9	9.0	
Max travel speed		Hi Mi Lo	4.6 (2.9)	4.2 (2.6)	
DIMENSIONS: See the page of dimensions.			2.8 (1.7)	2.6 (1.6)	
ENGINE:					
Model			KOMATSU 4D88E-6	KOMATSU S4D87E-1	
No. of cylinders- bore × stroke		mm (in)	4-88 × 90 (3.46 × 3.54)	4-87 × 102.4 (3.43 × 4.03)	
Piston displacement		ltr. (cu.in)	2.189 (134)	2.434 (149)	
HYDRAULIC SYSTEM:					
Hydraulic pump			2 × Variable Piston+Gear pump	2 × Variable Piston+Gear pump	
Max. oil flow		ltr. (U.S.Gal)/min.	140.8 (37.2)	146 (38.6)	
Max. oil pressure		kg/cm ² (PSI)	270 (3840)	270 (3840)	
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	400 (16)/ 0.29 (4.1)	400 (16)/ 0.31 (4.41)	
CAPACITY (Refilled):					
Fuel tank		ltr. (U.S.Gal)	65 (17.2)	120 (31.7)	
Hydraulic oil tank		ltr. (U.S.Gal)	20 (5.3)	37 (9.8)	
MACHINE SPEC:					
Boom		mm (ft.in)	2900 (9'6")	2900 (9'6")	
Arm		mm (ft.in)	1640 (5'5")	1640 (5'5")	
Bucket (SAE)		m ³ (cu.yd)	0.16 (0.21)	0.2 (0.26)	
Upper attachment			ROPS Canopy	ROPS Cab	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Model		PC60-8	PC70-8	PC70-8	PC71-7	
Source		China	Japan, Thailand	China	India	
Emissions		T3/S3A	T3/S3A	T3/S3A	—	
OPERATING WEIGHT*		kg (lb)	6180 (13,620)	6590 (14,530)	6500 (14,330)	7050 (15,510)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 42.8 (57.4)/1950 40.7 (54.2)/1950	50.7 (68)/1950 48.5 (65)/1950	48.5 (65)/1950	44.1 (60)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.25 ~ 0.37 (0.33) (0.48)	0.30 ~ 0.37 (0.39) (0.48)	0.32 ~ 0.39 (0.42) (0.51)	0.09 ~ 0.35 (0.12) (0.47)
PERFORMANCE:						
Swing speed		RPM	10.0	11.0	11.0	12.0
Max travel speed		Hi Mi Lo km/h (MPH)	4.5 (2.8)	4.5 (2.8)	4.5 (2.8)	3.5 (2.2)
DIMENSIONS: See the page of dimensions.			2.8 (1.7)	2.8 (1.7)	2.8 (1.7)	2.3 (1.4)
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOEL	
No. of cylinders- bore × stroke		mm (in)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4R-1040 4-105 × 120 (4.13 × 4.72)
Piston displacement		ltr. (cu.in)	3.26 (199)	3.26 (199)	3.26 (199)	4.16 (254)
HYDRAULIC SYSTEM:						
Hydraulic pump		1 × Variable Piston	1 × Variable Piston	1 × Variable Piston	1 × Variable Piston	
Max. oil flow		ltr. (U.S.Gal)/min.	172 (45.4)	172 (45.4)	172 (45.4)	155 (41.0)
Max. oil pressure		kg/cm ² (PSI)	250 (3555)	250 (3555)	250 (3555)	250 (3555)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	450 (18)/ 0.29 (4.12)	450 (18)/ 0.29 (4.12)	450 (18)/ 0.31 (4.41)	450 (18)/ 0.34 (4.82)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	130 (34.3)	130 (34.3)	130 (34.3)	130 (34.3)
Hydraulic oil tank		ltr. (U.S.Gal)	61 (16.1)	61 (16.1)	57 (15.1)	57 (15.1)
MACHINE SPEC:						
Boom		mm (ft.in)	3650 (12' 0")	3710 (12' 2")	3710 (12' 2")	3710 (12' 2")
Arm		mm (ft.in)	1550 (5' 1")	1650 (5' 5")	1650 (5' 5")	1650 (5' 5")
Bucket (SAE)		m ³ (cu.yd)	0.25 (0.33)	0.30 (0.39)	0.30 (0.39)	0.30 (0.39)

Model		PC78US-10	PC78US-8	PC78UU-8**	PC80MR-5	
Source		Japan	Japan	Japan	Italy	
Emissions		T4F/S4	—	T3/S3A	T4i/S3B	
OPERATING WEIGHT*		kg (lb)	8050 (17,750)	6945 (15,315)	7960 (17,550)	8000 (17,640)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 50.7 (68)/1950 48.8 (65.5)/1950	42.8 (57)/1950 41.5 (55)/1950	42.8 (57)/1950 41.0 (55)/1950	46.2 (62)/2200 44.2 (59)/2200
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.09 ~ 0.34 (0.12) (0.44)	0.09 ~ 0.34 (0.12) (0.45)	0.09 ~ 0.34 (0.12) (0.44)	0.128 ~ 0.265 (0.12) (0.44)
PERFORMANCE:						
Swing speed		RPM	10.0	10.0	10.0	10.0
Max travel speed		Hi Mi Lo km/h (MPH)	5.0 (3.1)	5.0 (3.1)	5.0 (3.1)	4.9 (3.0)
DIMENSIONS: See the page of dimensions.			2.8 (1.7)	2.9 (1.8)	2.9 (1.8)	2.9 (1.8)
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke		mm (in)	4 - 95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4 - 95 × 115 (3.74 × 4.53)	4R98E-5SFB 4 - 98 × 110 (3.86 × 4.33)
Piston displacement		ltr. (cu.in)	3.26 (199)	3.26 (199)	3.26 (199)	3.319 (203)
HYDRAULIC SYSTEM:						
Hydraulic pump		1 × Variable Piston+Gear pump	2 × Variable Piston	1 × Variable Piston+Gear pump	1 × Variable Piston+Gear pump	
Max. oil flow		ltr. (U.S.Gal)/min.	223 (58.9)	223 (58.9)	223 (58.9)	250 (66.1)
Max. oil pressure		kg/cm ² (PSI)	270 (3840)	270 (3840)	270 (3840)	270 (3840)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	450 (18)/ 0.36 (5.1)	450 (18)/ 0.32 (4.5)	450 (18)/ 0.34 (4.8)	450 (18)/ 0.36 (5.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	125 (33)	125 (33)	125 (33)	110 (29)
Hydraulic oil tank		ltr. (U.S.Gal)	56 (14.8)	56 (14.8)	56 (14.8)	65 (17.2)
MACHINE SPEC:						
Boom		mm (ft.in)	3710 (12'2")	3710 (12'2")	3750 (12'4")	3200 (10'6")
Arm		mm (ft.in)	2250 (7'5")	1650 (5'5")	1720 (5'8")	1650 (5'5")
Bucket (SAE)		m ³ (cu.yd)	0.20 (0.26)	0.28 (0.37)	0.28 (0.37)	0.20 (0.26)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

** With blade

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Model		PC80MR-3	PC88MR-10	PC88MR-10	PC88MR-8
Source		Italy	Japan	Italy	Japan
Emissions		T3/S3A	T4F/S4	T4F/S4	T3/S3A
OPERATING WEIGHT*		kg (lb)		kg (lb)	
		7670 (16,910)	8720 (19,220)	8580 (18,920)	8225 (18,130)
HORSEPOWER		kW (HP)/RPM		kW (HP)/RPM	
SAE J1995 Gross		50.7 (68)/1950		50.7 (68)/1950	
ISO9249 /SAE J1349 Net		45.6 (61.2)/2200		49 (65.7)/1950	
Hyd. fan at max. speed Net		48.8 (65.5)/1950		49 (65)/1950	
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)		m ³ (cu.yd)	
		0.086 ~ 0.265 (0.11) (0.35)		0.09 ~ 0.34 (0.12) (0.44)	
PERFORMANCE:		RPM		RPM	
Swing speed		10.2		10.0	
Max travel speed		4.9 (3.0)		5.1 (3.2)	
		2.9 (1.8)		2.9 (1.8)	
DIMENSIONS: See the page of dimensions.					
ENGINE:		KOMATSU		KOMATSU	
Model		4D98E-3ZSFB		SAA4D95LE-6	
No. of cylinders-		4-95 × 110		4 - 95 × 115	
bore × stroke		(3.86 × 4.33)		(3.74 × 4.53)	
Piston displacement		3.318 (202)		3.26 (199)	
HYDRAULIC SYSTEM:		1 × Variable		1 × Variable	
Hydraulic pump		Piston+Gear pump		Piston+Gear pump	
Max. oil flow		250 (66.1)		230 (60.8)	
Max. oil pressure		270 (3840)		270 (3840)	
Track shoe width/		450 (18)/		450 (18)/	
ground pressure		0.34 (4.8)		0.39 (5.5)	
CAPACITY (Refilled):		ltr. (U.S.Gal)		ltr. (U.S.Gal)	
Fuel tank		110 (29.1)		125 (33)	
Hydraulic oil tank		65 (17.2)		56 (14.8)	
MACHINE SPEC:		mm (ft.in)		mm (ft.in)	
Boom		3200 (10'6")		3405 (11'2")	
Arm		1650 (5'5")		2100 (6'11")	
Bucket (SAE)		0.20 (0.26)		0.20 (0.26)	

Model		PC88MR-8	PC110-8M0	PC118MR-8	PC130-8
Source		Italy	China	Italy	Japan, Thailand
Emissions		T3/S3A	T3e/S3Ae	T3/S3A	T3/S3A
OPERATING WEIGHT*		kg (lb)		kg (lb)	
		8225 (18,130)	11300 (24,910)	11885 (26,200)	12380 (27,300)
HORSEPOWER		kW (HP)/RPM		kW (HP)/RPM	
SAE J1995 Gross		49 (65)/1950		69.6 (93.3)/2200	
ISO9249 /SAE J1349 Net		68.4 (91.7)/2200		68.4 (91.7)/2200	
Hyd. fan at max. speed Net		72.1 (96.6)/2200		68.4 (91.7)/2200	
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)		m ³ (cu.yd)	
		0.077 ~ 0.282 (0.10) (0.37)		0.48 ~ 0.53 (0.63) (0.69)	
PERFORMANCE:		RPM		RPM	
Swing speed		10.0		8.5	
Max travel speed		5.1 (3.2)		4.5 (2.8)	
		2.9 (1.8)		3.0 (1.9)	
DIMENSIONS: See the page of dimensions.					
ENGINE:		KOMATSU		KOMATSU	
Model		SAA4D95LE-5		SAA4D95LE-5	
No. of cylinders-		4-95 × 115		4-95 × 115	
bore × stroke		(3.74 × 4.53)		(3.74 × 4.53)	
Piston displacement		3.26 (199)		3.26 (199)	
HYDRAULIC SYSTEM:		1 × Variable		1 × Variable	
Hydraulic pump		Piston+Gear pump		Piston+Gear pump	
Max. oil flow		230 (60.8)		278 (73.4)	
Max. oil pressure		270 (3840)		300 (4270)	
Track shoe width/		450 (18)/		500 (20)/	
ground pressure		0.37 (5.3)		0.43 (6.1)	
CAPACITY (Refilled):		ltr. (U.S.Gal)		ltr. (U.S.Gal)	
Fuel tank		125 (33)		150 (39.6)	
Hydraulic oil tank		100 (26.4)		80 (21.1)	
MACHINE SPEC:		mm (ft.in)		mm (ft.in)	
Boom		3405 (11' 2")		3505 (11' 5")	
Arm		2100 (6'11")		2360 (5' 7")	
Bucket (SAE)		0.282 (0.37)		0.38 (0.50)	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4: EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Model		PC130-8	PC130-8M0	PC130-7	PC130F-7	
Source		Brazil	China	India	Indonesia	
Emissions		T3/S3A	T3e/S3Ae	—	—	
OPERATING WEIGHT*		kg (lb)	12905 (28,450)	12500 (27,560)	12600 (27,780)	13980 (30,810)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 72 (97)/2200 68 (92)/2200	69.6 (93.3)/2200	66 (89)/2200	66 (88)/2200
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.50 ~ 0.60 (0.65) (0.78)	0.53 ~ 0.64 (0.69) (0.84)	0.53 ~ 0.70 (0.69) (0.91)	0.45 ~ 0.55 (0.59) (0.72)
PERFORMANCE:						
Swing speed		RPM	11.0	11.0	11.0	11.0
Max travel speed		Hi Mi Lo km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	4.2 (2.6)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke		mm (in)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)
Piston displacement		ltr. (cu.in)	3.26 (199)	3.26 (199)	3.26 (199)	3.26 (199)
HYDRAULIC SYSTEM:						
Hydraulic pump		1 × Variable Piston+Gear pump	2 × Variable Piston	1 × Variable Piston+Gear pump	1 × Variable Piston	
Max. oil flow		ltr. (U.S.Gal)/min.	242 (63.9)	242 (63.9)	226 (59.7)	226 (59.7)
Max. oil pressure		kg/cm ² (PSI)	325 (4620)	355 (5050)	325 (4620)	325 (4620)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	500 (20)/ 0.41 (5.8)	500 (20)/ 0.41 (5.8)	500 (20)/ 0.39 (5.5)	900 (35.4)/ 0.26 (3.7)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	247 (65.3)	247 (65.3)	247 (65.3)	247 (65.3)
Hydraulic oil tank		ltr. (U.S.Gal)	90 (23.8)	90 (23.8)	90 (23.8)	80 (21.1)
MACHINE SPEC:						
Boom		mm (ft.in)	4600 (15' 1")	4600 (15' 1")	4600 (15' 1")	4260 (14' 0")
Arm		mm (ft.in)	2500 (8' 2")	2500 (8' 2")	2100 (6' 10")	2360 (7' 9")
Bucket (SAE)		m ³ (cu.yd)	0.60 (0.78)	0.53 (0.69)	0.64 (0.83)	0.55 (0.72)

Model		PC138US-11	PC138US-8	PC138USLC-11	PC138USLC-10	
Source		Italy	Japan	Japan (for USA)	Japan	
Emissions		T4F/S4	T3/S3A	T4F/S4	T4i/S3B	
OPERATING WEIGHT*		kg (lb)	13880 (30,600)	13480 (29,720)	14780 (32,580)	14600 (32,190)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 72.6 (97.3)/2050 72.5 (97.2)/2050	72.1 (96.6)/2200 68.4 (91.7)/2200	72.6 (97.3)/2050 72.5 (97.2)/2050	72.6 (97.3)/2050 69.7 (93.5)/2050
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	Max 0.72 (0.94)	0.18 ~ 0.60 (0.24) (0.78)	0.26 ~ 0.76 (0.34) (0.99)	0.26 ~ 0.76 (0.34) (0.99)
PERFORMANCE:						
Swing speed		RPM	11.0	11.0	11.0	11.0
Max travel speed		Hi Mi Lo km/h (MPH)	5.1 (3.2)	5.1 (3.2)	5.1 (3.2)	5.1 (3.2)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke		mm (in)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)
Piston displacement		ltr. (cu.in)	3.26 (199)	3.26 (199)	3.26 (199)	3.26 (199)
HYDRAULIC SYSTEM:						
Hydraulic pump		1 × Variable Piston	1 × Variable Piston	1 × Variable Piston	1 × Variable Piston	
Max. oil flow		ltr. (U.S.Gal)/min.	242 (63.9)	241.5 (63.8)	242 (63.9)	242 (63.9)
Max. oil pressure		kg/cm ² (PSI)	355 (5050)	355 (5050)	355 (5050)	355 (5050)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	500 (20)/ 0.48 (6.8)	500 (20)/ 0.43 (6.1)	600 (24)/ 0.36 (5.1)	600 (24)/ 0.36 (5.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	200 (52.8)	195 (51.5)	200 (52.8)	200 (52.8)
Hydraulic oil tank		ltr. (U.S.Gal)	69 (18.2)	69 (18.2)	69 (18.2)	69 (18.2)
MACHINE SPEC:						
Boom		mm (ft.in)	4600 (15' 1")	4600 (15' 1")	4600 (15' 1")	4600 (15' 1")
Arm		mm (ft.in)	2500 (8' 2")	2500 (8' 2")	2500 (8' 2")	2500 (8' 2")
Bucket (SAE)		m ³ (cu.yd)	0.49 (0.64)	0.50 (0.65)	0.50 (0.65)	0.50 (0.65)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC160LC-8	PC160LC-8	PC160LC-8	PC160LC-8
Source			Japan	Thailand	Brazil	China
Emissions			T3/S3A	T3/S3A	T3/S3A	T3/S3A
OPERATING WEIGHT*		kg (lb)	16680 (36,770)	16760 (36,850)	17400 (38,360)	16700 (36,820)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	90 (121)/2200	90 (121)/2200	90 (121)/2200	90 (121)/2200
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	86 (115)/2200	86 (115)/2200	86 (115)/2200	85 (114)/2200
	Hyd. fan at max. speed Net	kW (HP)/RPM				
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.60 ~ 0.70 (0.78) (0.92)	0.60 ~ 0.74 (0.78) (0.97)	0.65 ~ 1.20 (0.85) (1.57)	0.65 ~ 0.75 (0.85) (0.98)
PERFORMANCE:						
Swing speed		RPM	12.0	12.0	12.0	12.0
Max travel speed	Hi Mi Lo	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
DIMENSIONS: See the page of dimensions.			3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	3.0 (1.9)
ENGINE:						
Model			KOMATSU SAA4D107E-1	KOMATSU SAA4D107E-1	KOMATSU SAA4D107E-1	KOMATSU SAA4D107E-1
No. of cylinders- bore × stroke	mm (in)		4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)
Piston displacement	ltr. (cu.in)		4.46 (272)	4.46 (272)	4.46 (272)	4.46 (272)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	1 × Variable Piston
Max. oil flow	ltr. (U.S.Gal)/min.		312 (82.4)	312 (82.4)	312 (82.4)	312 (82.4)
Max. oil pressure	kg/cm ² (PSI)		380 (5400)	380 (5400)	380 (5400)	355 (5050)
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)		500 (20)/ 0.49 (7.0)	500 (20)/ 0.49 (6.96)	700 (28)/ 0.36 (5.12)	500 (20)/ 0.48 (6.8)
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)		280 (74)	280 (74)	280 (74)	280 (74.0)
Hydraulic oil tank	ltr. (U.S.Gal)		121 (32.0)	121 (32)	121 (32)	121 (32.0)
MACHINE SPEC:						
Boom	mm (ft.in)		5150 (16'11")	5150 (16'11")	5150 (16'11")	5150 (16'11")
Arm	mm (ft.in)		2610 (8'7")	2900 (9'6")	2250 (7' 5")	2610 (8'7")
Bucket (SAE)	m ³ (cu.yd)		0.65 (0.85)	0.74 (0.97)	0.80 (1.05)	0.65 (0.85)

Item		Model	PC170LC-11	PC170LC-11	PC170LC-10	PC170LC-10
Source			Japan	Italy	Japan	UK
Emissions			T4F/S4	T4F/S4	T4i/S3B	T4i/S3B
OPERATING WEIGHT*		kg (lb)	17780 (39,200)	17500 (38,580)	17280 (38,100)	17280 (38,100)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	90 (122)/2100	90 (122)/2100	90 (121)/2100	90 (121)/2100
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	89.9 (122)/2100	90 (121)/2100	85.7 (115)/2100	85.7 (115)/2100
	Hyd. fan at max. speed Net	kW (HP)/RPM	85 (114)/2100	85 (114)/2100		
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.60 ~ 0.70 (0.78) (0.92)	Max. 0.94 (1.23)	0.60 ~ 0.70 (0.78) (0.92)	Max. 0.94 (1.23)
PERFORMANCE:						
Swing speed		RPM	12.0	12.0	12.0	12.0
Max travel speed	Hi Mi Lo	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
DIMENSIONS: See the page of dimensions.			3.0 (1.9)	3.0 (1.9)	3.0 (1.9)	3.0 (1.9)
ENGINE:						
Model			KOMATSU SAA4D107E-3	KOMATSU SAA4D107E-3	KOMATSU SAA4D107E-2	KOMATSU SAA4D107E-2A
No. of cylinders- bore × stroke	mm (in)		4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)
Piston displacement	ltr. (cu.in)		4.46 (272)	4.46 (272)	4.46 (272)	4.46 (272)
HYDRAULIC SYSTEM:						
Hydraulic pump			1 × Variable Piston	1 × Variable Piston	1 × Variable Piston	1 × Variable Piston
Max. oil flow	ltr. (U.S.Gal)/min.		298 (79)	298 (79)	298 (79)	298 (79)
Max. oil pressure	kg/cm ² (PSI)		380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)		600 (24)/ 0.43 (6.1)	500 (20)/ 0.51 (7.3)	500 (20)/ 0.50 (7.1)	500 (20)/ 0.50 (7.1)
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)		300 (79.3)	300 (79.3)	300 (79.3)	300 (79.3)
Hydraulic oil tank	ltr. (U.S.Gal)		121 (32.0)	121 (32.0)	121 (32.0)	121 (32.0)
MACHINE SPEC:						
Boom	mm (ft.in)		5150 (16'11")	5150 (16'11")	5150 (16'11")	5150 (16'11")
Arm	mm (ft.in)		2610 (8'7")	2610 (8'7")	2610 (8'7")	2610 (8'7")
Bucket (SAE)	m ³ (cu.yd)		0.65 (0.85)	0.65 (0.85)	0.65 (0.85)	0.65 (0.85)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC195LC-8	PC200-8	PC200-8M0	PC200-8M0
Source			Indonesia	Japan	Japan	Indonesia
Emissions			T3/S3A	T3/S3A	T3e/S3Ae	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)	19500 (42,990)	19500 (42,990)	19900 (43,870)	20500 (45,190)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 97 (130)/2200 kW (HP)/RPM 92 (123)/2200	116 (155)/2000 110 (148)/2000	110 (147)/2000 103 (138)/2000	110 (148)/2000 103 (138)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.90 (1.18)	0.50 ~ 1.17 (0.65) (1.53)	0.50 ~ 1.17 (0.65) (1.53)	1.00 (1.31)
PERFORMANCE:						
Swing speed		RPM	12.0	12.4	12.4	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA4D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	4-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	4.46 (272)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			1 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump			312 (82.4)	439 (116)	439 (116)	439 (116)
Max. oil flow		ltr. (U.S.Gal)/min.	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Max. oil pressure		kg/cm ² (PSI)				
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	800 (31.5)/ 0.34 (4.8)	600 (24)/ 0.46 (6.54)	600 (24)/ 0.47 (6.7)	800 (31.5)/ 0.36 (5.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	280 (74.0)	400 (105.7)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	121 (32.0)	135 (35.7)	135 (36)	135 (36)
MACHINE SPEC:						
Boom		mm (ft.in)	5150 (16'11")	5700 (18' 8")	5700 (18' 8")	5700 (18'8")
Arm		mm (ft.in)	2900 (9'6")	2925 (9' 7")	2925 (9' 7")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	0.90 (1.18)	0.80 (1.05)	0.80 (1.05)	1.00 (1.31)

Item		Model	PC200-8M0	PC200-8M0	PC200-8M0	PC200-8M0
Source			Thailand	China	Russia	Brazil
Emissions			T3e/S3Ae	T3e/S3Ae	T3e/S3Ae	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)	19900 (43,870)	20150 (44,420)	19900 (43,870)	21030 (46,360)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 110 (147)/2000 kW (HP)/RPM 103 (138)/2000	110 (148)/2000 103 (138)/2000	110 (147)/2000 103 (138)/2000	110 (148)/2000 103 (138)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.50 ~ 1.17 (0.65) (1.53)	0.80 ~ 1.06 (0.85) (1.39)	0.50 ~ 1.17 (0.65) (1.53)	1.2 ~ 1.41 (1.57) (1.84)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump			439 (116)	439 (116)	439 (116)	439 (116)
Max. oil flow		ltr. (U.S.Gal)/min.	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Max. oil pressure		kg/cm ² (PSI)				
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.47 (6.7)	600 (24)/ 0.47 (6.7)	600 (24)/ 0.47 (6.7)	700 (28)/ 0.42 (6.0)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (106)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (36)	135 (36)	135 (36)	135 (36)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18' 8")	5700 (18'8")	5700 (18'8")	5700 (18'8")
Arm		mm (ft.in)	2925 (9' 7")	2925 (9'7")	2925 (9'7")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	0.80 (1.05)	0.80 (1.05)	0.80 (1.05)	0.80 (1.05)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC200F-8M0	PC200LC-8	PC200LC-8M0	PC200LC-8M0
Source			Brazil	Japan	Japan	Thailand
Emissions			T3e/S3Ae	T3/S3A	T3e/S3Ae	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)	22700 (50,040)	20900 (46,080)	21100 (46,520)	21100 (46,520)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 116 (155)/2000 110 (148)/2000	kW (HP)/RPM 116 (155)/2000 110 (148)/2000	kW (HP)/RPM 110 (147)/2000 103 (138)/2000	kW (HP)/RPM 110 (147)/2000 103 (138)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)		0.50 ~ 1.17 (0.65) (1.53)	0.50 ~ 1.17 (0.65) (1.53)	0.50 ~ 1.17 (0.65) (1.53)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	439 (116)	439 (116)	439 (116)	439 (116)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.53 (7.5)	700 (28)/ 0.44 (6.26)	700 (28)/ 0.44 (6.3)	700 (28)/ 0.44 (6.3)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (105.7)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (36)	135 (35.7)	135 (36)	135 (36)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18' 8")	5700 (18' 8")
Arm		mm (ft.in)	2925 (9'7")	2925 (9' 7")	2925 (9' 7")	2925 (9' 7")
Bucket (SAE)		m ³ (cu.yd)	Bucketless	0.80 (1.05)	0.80 (1.05)	0.80 (1.05)

Item		Model	PC200LC-8M0	PC200LC-8M0	PC200LC-8M0	PC210-11
Source			China	Russia	Brazil	UK
Emissions			T3e/S3Ae	T3e/S3Ae	T3e/S3Ae	T4F/S4
OPERATING WEIGHT*		kg (lb)	21000 (46,300)	21100 (46,520)	22060 (48,630)	22120 (48,770)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 110 (148)/2000 103 (138)/2000	kW (HP)/RPM 110 (148)/2000 103 (138)/2000	kW (HP)/RPM 110 (148)/2000 103 (138)/2000	kW (HP)/RPM 123 (165)/2000 123 (165)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.80 ~ 1.06 (0.85) (1.39)	0.50 ~ 1.17 (0.65) (1.53)	1.20 ~ 1.50 (1.57) (1.96)	Max. 1.69 (2.21)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-3
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	439 (116)	439 (116)	439 (116)	475 (125.5)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.45 (6.4)	700 (28)/ 0.36 (5.1)	700 (28)/ 0.40 (5.7)	600 (24)/ 0.51 (7.3)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (106)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (36)	135 (36)	135 (36)	132 (35)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18'8")	5700 (18'8")
Arm		mm (ft.in)	2925 (9'7")	2925 (9'7")	2925 (9'7")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	0.80 (1.05)	0.80 (1.05)	1.20 (1.57)	0.63 (0.82)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC210-10M0	PC210-8M0	PC210-8M0	PC210LC-11
Source			Japan	China	India	Japan
Emissions			S3Ae	T3e/S3Ae	T3e/S3Ae	T4F/S4
OPERATING WEIGHT*		kg (lb)	20500 (45,190)	20300 (44,750)	20700 (45,640)	21800 (48,060)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 123 (165)/2000 123 (165)/2000 117.2 (157.2)/2000	110 (147)/2000 103 (138)/2000	110 (148)/2000 103 (138)/2000	123 (165)/2000 123 (165)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.80 ~ 1.20 (1.05) (1.57)	0.80 ~ 1.06 (1.05) (1.39)	0.85 ~ 1.7 (1.11) (2.22)	0.50 ~ 0.93 (0.65) (1.22)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-3
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	475 (125.5)	439 (116)	439 (116)	475 (125.5)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.48 (6.8)	600 (24)/ 0.47 (6.7)	600 (24)/ 0.50 (7.1)	700 (28)/ 0.39 (5.5)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (106)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (36)	135 (36)	135 (36)	132 (35)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18'8")	5700 (18'8")
Arm		mm (ft.in)	2925 (9'7")	2925 (9'7")	2410 (7'11")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	1.00 (1.31)	0.94 (1.23)	1.00 (1.31)	0.80 (1.05)

Item		Model	PC210LC-11	PC210LC-11	PC210NLC-11	PC210LC-10
Source			USA	UK	UK	Japan
Emissions			T4F/S4	T4F/S4	T4F/S4	T4i/S3B
OPERATING WEIGHT*		kg (lb)	24440 (53,880)	22450 (49,490)	22400 (49,380)	21680 (47,800)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 122.8 (165)/2000 118.6 (159)/2000	123 (165)/2000 123 (165)/2000	123 (165)/2000 123 (165)/2000	123 (165)/2000 118 (158)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.50 ~ 1.20 (0.65) (1.57)	Max. 1.69 (2.21)	Max. 1.69 (2.21)	0.50 ~ 0.93 (0.65) (1.22)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-3	SAA6D107E-3	SAA6D107E-3	SAA6D107E-2
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	475 (125.5)	475 (125.5)	475 (125.5)	475 (125.5)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	800 (31.5)/ 0.42 (5.9)	600 (24)/ 0.48 (6.8)	500 (20)/ 0.57 (8.1)	700 (28)/ 0.39 (5.5)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (106)	325 (86)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	132 (35)	132 (35)	132 (35)	132 (35)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18'8")	5700 (18'8")
Arm		mm (ft.in)	2925 (9'7")	2925 (9'7")	2400 (7'10")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	1.19 (1.57)	0.63 (0.82)	0.63 (0.82)	0.80 (1.05)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC210LC-10M0	PC210LC-8M0	PC210LC-8M0	PC210NLC-8
Source			Japan	China	India	Russia
Emissions			S3Ae	T3e/S3Ae	T3/S3A	T3/S3A
OPERATING WEIGHT*		kg (lb)	21700 (47,840)	21200 (46,740)	21600 (47,620)	21830 (48,130)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	123 (165)/2000	110 (148)/2000	110 (147)/2000	110 (147)/2000
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	123 (165)/2000	103 (138)/2000	103 (138)/2000	
	Hyd. fan at max. speed Net	kW (HP)/RPM	117.2 (157.2)/2000			
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.80 ~ 1.20 (1.05) (1.57)	0.80 ~ 1.06 (1.05) (1.39)	0.85 ~ 1.7 (1.11) (2.22)	0.50 ~ 1.17 (0.65) (1.53)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max travel speed	Hi	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
	Mi		4.1 (2.5)	4.1 (2.5)	4.1 (2.5)	4.1 (2.5)
	Lo		3.0 (1.9)	3.0 (1.9)	3.0 (1.9)	3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	475 (125.5)	439 (116)	439 (116)	438 (116)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.39 (5.5)	600 (24)/ 0.45 (6.4)	600 (24)/ 0.47 (6.7)	600 (24)/ 0.55 (7.8)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (106)	400 (106)	325 (86)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (36)	135 (36)	135 (36)	137 (36)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18'8")	5700 (18'8")
Arm		mm (ft.in)	2925 (9'7")	2925 (9'7")	2410 (7'11")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	1.00 (1.31)	0.94 (1.23)	1.10 (1.44)	1.00 (1.31)

Item		Model	PC220-8	PC220-8M0	PC220-8M0	PC220-8M0
Source			Japan	Japan	Russia	China
Emissions			T3/S3A	T3e/S3Ae	T3e/S3Ae	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)	22900 (50,490)	23200 (51,150)	23200 (51,150)	23600 (52,030)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	134 (179)/2000	129 (173)/2000	129 (173)/2000	123 (164)/2000
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	125 (168)/2000	123 (164)/2000	123 (164)/2000	
	Hyd. fan at max. speed Net	kW (HP)/RPM				
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.72 ~ 1.26 (0.94) (1.65)	0.72 ~ 1.26 (0.94) (1.65)	0.72 ~ 1.26 (0.94) (1.65)	1.03 ~ 1.20 (1.35) (1.57)
PERFORMANCE:						
Swing speed		RPM	11.7	11.7	11.7	11.7
Max travel speed	Hi	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
	Mi		4.2 (2.6)	4.2 (2.6)	4.2 (2.6)	4.2 (2.6)
	Lo		3.1 (1.9)	3.1 (1.9)	3.1 (1.9)	3.1 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	439 (116)	439 (116)	439 (116)	439 (116)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.51 (7.25)	600 (24)/ 0.52 (7.4)	600 (24)/ 0.52 (7.4)	600 (24)/ 0.53 (7.54)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (105.7)	400 (106)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (35.7)	135 (36)	135 (36)	135 (36)
MACHINE SPEC:						
Boom		mm (ft.in)	5850 (19'2")	5850 (19' 2")	5850 (19'2")	5850 (19'2")
Arm		mm (ft.in)	3045 (10'0")	3045 (10' 0")	3045 (10'0")	3045 (10'0")
Bucket (SAE)		m ³ (cu.yd)	1.00 (1.31)	1.00 (1.31)	1.00 (1.31)	1.03 (1.35)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC220LC-8	PC220LC-8M0	PC220LC-8M0	PC228US-8
Source			Japan	Japan	Russia	Japan
Emissions			T3/S3A	T3e/S3Ae	T3e/S3Ae	T3/S3A
OPERATING WEIGHT*		kg (lb)	24330 (53,640)	24600 (54,230)	24600 (54,230)	21900 (48,280)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 134 (179)/2000 125 (168)/2000	kW (HP)/RPM 129 (173)/2000 123 (164)/2000	kW (HP)/RPM 129 (173)/2000 123 (164)/2000	kW (HP)/RPM 116 (155)/2000 110 (148)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.72 ~ 1.26 (0.94) (1.65)	0.72 ~ 1.26 (0.94) (1.65)	0.72 ~ 1.26 (0.94) (1.65)	0.50 ~ 1.10 (0.65) (1.31)
PERFORMANCE:						
Swing speed		RPM	11.7	11.7	11.7	11.0
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.2 (2.6) 3.1 (1.9)	5.5 (3.4) 4.2 (2.6) 3.1 (1.9)	5.5 (3.4) 4.2 (2.6) 3.1 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	439 (116)	439 (116)	439 (116)	428 (113)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.42 (5.97)	700 (28)/ 0.43 (6.1)	700 (28)/ 0.43 (6.1)	600 (24)/ 0.51 (7.3)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (105.7)	400 (106)	400 (106)	320 (84.5)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (35.7)	135 (36)	135 (36)	126 (33.3)
MACHINE SPEC:						
Boom		mm (ft.in)	5850 (19'2")	5850 (19' 2")	5850 (19'2")	5700 (18'8")
Arm		mm (ft.in)	3045 (10'0")	3045 (10' 0")	3045 (10'0")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	1.00 (1.31)	1.00 (1.31)	1.00 (1.31)	0.80 (1.05)

Item		Model	PC228USLC-11	PC228USLC-10	PC228USLC-8	PC230NHD-11
Source			Japan (for EU)	Japan	Japan	UK
Emissions			T4F/S4	T4i/S3B	T3/S3A	T4F/S4
OPERATING WEIGHT*		kg (lb)	23600 (52,030)	25100 (55,340)	23100 (50,930)	23515 (56,440)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 123 (165)/2000 123 (165)/2000	kW (HP)/RPM 123 (165)/2000 116 (156)/2000	kW (HP)/RPM 116 (155)/2000 110 (148)/2000	kW (HP)/RPM 123 (165)/2000 123 (165)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	Max.1.49 (1.95)	0.50 ~ 1.00 (0.65) (1.31)	0.50 ~ 1.10 (0.65) (1.31)	Max. 1.45 (1.90)
PERFORMANCE:						
Swing speed		RPM	11.0	11.0	11.0	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-3	SAA6D107E-2	SAA6D107E-1	SAA6D107E-3
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	490 (129)	475 (113)	428 (113)	475 (125.5)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.50 (7.1)	800 (31.5)/ 0.40 (5.7)	700 (28)/ 0.42 (5.97)	550 (21.7)/ 0.57 (8.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	290 (76.6)	310 (82)	320 (84.5)	325 (85.9)
Hydraulic oil tank		ltr. (U.S.Gal)	126 (33.3)	126 (33.3)	126 (33.3)	137 (36.2)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18'8")	5700 (18'8")
Arm		mm (ft.in)	2900 (9'7")	2925 (9'7")	2925 (9'7")	2400 (7'10")
Bucket (SAE)		m ³ (cu.yd)	0.78 (1.02)	0.80 (1.05)	0.80 (1.05)	0.63 (0.82)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC238USLC-11	PC240LC-11	PC240LC-11	PC240LC-11
Source			Japan (for USA)	Japan	USA	UK
Emissions			T4F/S4	T4F/S4	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	25000 (55,120)	24900 (54,890)	25574 (56,380)	25600 (56,440)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 123 (165)/2000 kW (HP)/RPM 123 (165)/2000	kW (HP)/RPM 141 (189)/2000 132 (177)/2000	kW (HP)/RPM 141 (189)/2000 132 (177)/2000	kW (HP)/RPM 141 (189)/2000 132 (177)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.50 ~ 1.00 (0.65) (1.31)	0.72 ~ 1.26 (0.94) (1.65)	0.58 ~ 1.41 (0.76) (1.85)	Max. 1.89 (2.47)
PERFORMANCE:						
Swing speed		RPM	11.0	11.7	11.7	11.7
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-3	SAA6D107E-3	SAA6D107E-3	SAA6D107E-3
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump			475 (113)	475 (125.5)	475 (125.5)	475 (125.5)
Max. oil flow		ltr. (U.S.Gal)/min.	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Max. oil pressure		kg/cm ² (PSI)				
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	800 (24)/ 0.39 (5.5)	700 (28)/ 0.43 (6.1)	800 (31.5)/ 0.39 (5.5)	700 (28)/ 0.44 (6.3)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	290 (76.6)	400 (105.7)	400 (105.7)	400 (105.7)
Hydraulic oil tank		ltr. (U.S.Gal)	126 (33.3)	132 (34.9)	132 (34.9)	132 (34.9)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5850 (19'2")	5850 (19'2")	5850 (19'2")
Arm		mm (ft.in)	2925 (9'7")	3045 (10'0")	3045 (10'0")	3000 (10'0")
Bucket (SAE)		m ³ (cu.yd)	0.80 (1.05)	1.00 (1.31)	1.42 (1.85)	1.00 (1.31)

Item		Model	PC240NLC-11	PC240LC-10	PC240LC-8M0	PC240LC-8
Source			UK	Japan	China	Brazil
Emissions			T4F/S4	T4i/S3B	T3e/S3Ae	T3/S3A
OPERATING WEIGHT*		kg (lb)	24700 (54,230)	24630 (54,300)	24600 (54,230)	24850 (54,790)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 141 (189)/2000 132 (177)/2000	kW (HP)/RPM 141 (189)/2000 132 (177)/2000	kW (HP)/RPM 123 (165)/2000	kW (HP)/RPM 134 (180)/2000 125 (168)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	Max.1.89 (2.47)	0.72 ~ 1.26 (0.94) (1.65)	1.20 ~ 1.33 (1.57) (1.74)	0.72 ~ 1.73 (0.94) (2.26)
PERFORMANCE:						
Swing speed		RPM	11.7	11.7	11.7	11.7
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.1 (1.9)	5.5 (3.4) 4.2 (2.6) 3.1 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-3	SAA6D107E-2	SAA6D107E-1	SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump			475 (125.5)	475 (125.5)	439 (116)	439 (116)
Max. oil flow		ltr. (U.S.Gal)/min.	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Max. oil pressure		kg/cm ² (PSI)				
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.52 (7.4)	700 (28)/ 0.42 (6.0)	600 (24)/ 0.50 (7.1)	600 (24)/ 0.50 (7.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (105.7)	400 (105.7)	400 (105.7)	400 (105.7)
Hydraulic oil tank		ltr. (U.S.Gal)	132 (34.9)	132 (34.9)	135 (35.7)	135 (35.7)
MACHINE SPEC:						
Boom		mm (ft.in)	5850 (19'2")	5850 (19'2")	5850 (19'2")	5850 (19'2")
Arm		mm (ft.in)	3000 (10'0")	3045 (10'0")	3045 (10'0")	2500 (8'2")
Bucket (SAE)		m ³ (cu.yd)	1.00 (1.31)	1.00 (1.31)	1.20 (1.57)	1.73 (2.26)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC270-8	PC270-8	PC270LC-8	PC290LC-11
Source			Japan	China	Japan	Japan
Emissions			T3/S3A	T3/S3A	T3/S3A	T4F/S4
OPERATING WEIGHT*		kg (lb)	27140 (59,830)	28300 (62,390)	28640 (63,140)	30500 (67,240)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 149 (200)/2050 140 (187)/2050	kW (HP)/RPM 149 (200)/2050 137 (183)/2050	kW (HP)/RPM 149 (200)/2050 140 (187)/2050	kW (HP)/RPM 159 (213)/2050 147 (196)/2050
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.14 ~ 1.26 (1.49) (1.65)	1.30 ~ 1.50 (1.70) (1.96)	1.14 ~ 1.26 (1.49) (1.65)	1.14 ~ 1.26 (1.49) (1.65)
PERFORMANCE:						
Swing speed		RPM	10.5	10.5	10.5	10.5
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.1 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D107E-3
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump			450 (119)	450 (119)	450 (119)	479 (127)
Max. oil flow		ltr. (U.S.Gal)/min. kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Max. oil pressure						
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.56 (8.0)	600 (24)/ 0.59 (8.4)	700 (28)/ 0.47 (6.7)	800 (31.5)/ 0.43 (6.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (105.7)	400 (105.7)	400 (105.7)	400 (105.7)
Hydraulic oil tank		ltr. (U.S.Gal)	132 (34.9)	132 (35.7)	132 (34.9)	132 (34.9)
MACHINE SPEC:						
Boom		mm (ft.in)	5850 (19'2")	5850 (19'2")	5850 (19'2")	6150 (20'2")
Arm		mm (ft.in)	3045 (10'0")	3045 (10'0")	3045 (10'0")	3200 (10'6")
Bucket (SAE)		m ³ (cu.yd)	1.26 (1.65)	1.30 (1.70)	1.26 (1.65)	1.14 (1.49)

Item		Model	PC290LC-11	PC290LC-11	PC290NLC-11	PC290LC-10
Source			USA	UK	UK	Japan
Emissions			T4F/S4	T4F/S4	T4F/S4	T4i/S3B
OPERATING WEIGHT*		kg (lb)	32450 (71,540)	30350 (66,910)	29850 (65,810)	30280 (66,760)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 159 (213)/2050 147 (196)/2050	kW (HP)/RPM 159 (213)/2050 147 (196)/2050	kW (HP)/RPM 159 (213)/2050 147 (196)/2050	kW (HP)/RPM 159 (213)/2050 147 (196)/2050
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.58 ~ 1.63 (0.76) (2.13)	Max. 2.02 (2.64)	Max. 2.02 (2.64)	1.14 ~ 1.26 (1.49) (1.65)
PERFORMANCE:						
Swing speed		RPM	10.5	10.5	10.5	10.5
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D107E-3	SAA6D107E-3	SAA6D107E-3	SAA6D107E-2
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump			479 (127)	479 (127)	479 (127)	479 (127)
Max. oil flow		ltr. (U.S.Gal)/min. kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Max. oil pressure						
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	800 (31.5)/ 0.50 (7.1)	700 (28)/ 0.49 (7.0)	600 (24)/ 0.57 (8.1)	800 (31.5)/ 0.43 (6.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (105.7)	400 (105.7)	400 (105.7)	400 (105.7)
Hydraulic oil tank		ltr. (U.S.Gal)	132 (34.9)	132 (34.9)	132 (34.9)	132 (34.9)
MACHINE SPEC:						
Boom		mm (ft.in)	6150 (20'2")	6150 (20'2")	6150 (20'2")	5850 (19'2")
Arm		mm (ft.in)	3200 (10'6")	3200 (10'6")	3200 (10'6")	3045 (10'0")
Bucket (SAE)		m ³ (cu.yd)	1.63 (2.13)	1.20 (1.57)	1.20 (1.57)	1.26 (1.65)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC290LC-8	PC300-8	PC300-8M0	PC300-8M0
Source			Japan (for Turkey)	Japan	Japan, Thailand	UK (for Turkey)
Emissions			T3/S3A	T3/S3A	T3e/S3Ae	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)	29230 (64,440)	31100 (68,560)	31100 (68,560)	31100 (68,560)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 149 (200)/2050 140 (187)/2050	194 (260)/1950 184 (246)/1950	194 (260)/1950 187 (250)/1950	194 (260)/1950 187 (250)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.50 ~ 1.60 (1.96) (2.09)	0.52 ~ 1.80 (0.68) (2.35)	0.52 ~ 1.80 (0.68) (2.35)	0.52 ~ 1.80 (0.68) (2.35)
PERFORMANCE:						
Swing speed		RPM	10.5	9.5	9.5	9.5
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model			KOMATSU SAA6D107E-1	KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-3
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)
Piston displacement		ltr. (cu.in)	6.69 (408)	8.27 (505)	8.27 (505)	8.27 (505)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	450 (119)	535 (141)	535 (141)	535 (141)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.564 (8.0)	600 (24)/ 0.64 (9.1)	600 (24)/ 0.64 (9.0)	600 (24)/ 0.64 (9.0)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (105.7)	605 (160)	605 (160)	605 (160)
Hydraulic oil tank		ltr. (U.S.Gal)	132 (34.9)	188 (49.7)	188 (49.7)	188 (49.7)
MACHINE SPEC:						
Boom		mm (ft.in)	5850 (19'1")	6470 (21' 3")	6470 (21'3")	6470 (21'3")
Arm		mm (ft.in)	3045 (10'0")	3185 (10' 5")	3185 (10'5")	3185 (10'5")
Bucket (SAE)		m ³ (cu.yd)	1.60 (2.09)	1.40 (1.83)	1.40 (1.83)	1.40 (1.83)

Item		Model	PC300-8M0 SE spec.	PC300-8M0	PC300-8M0	PC300LC-8
Source			Indonesia	China	Russia	Japan
Emissions			T3e/S3Ae	T3e/S3Ae	T3e/S3Ae	T3/S3A
OPERATING WEIGHT*		kg (lb)	34400 (75,840)	32000 (70,550)	31100 (68,560)	32200 (70,990)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 194 (260)/1950 187 (250)/1950	194 (260)/1950 187 (250)/1950	194 (260)/1950 187 (250)/1950	194 (260)/1950 184 (246)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.30 (3.01)	1.40 ~ 1.60 (1.83) (2.09)	0.52 ~ 1.80 (0.68) (2.35)	0.52 ~ 1.80 (0.68) (2.35)
PERFORMANCE:						
Swing speed		RPM	9.5	9.5	9.5	9.5
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model			KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-3	KOMATSU SAA6D114E-3
No. of cylinders- bore × stroke		mm (in)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)
Piston displacement		ltr. (cu.in)	8.27 (505)	8.27 (505)	8.27 (505)	8.27 (505)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	535 (141)	535 (141)	535 (141)	535 (141)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	800 (31.5)/ 0.49 (7.0)	600 (24)/ 0.67 (9.5)	600 (24)/ 0.64 (9.1)	700 (28)/ 0.53 (7.48)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	605 (160)	605 (160)	605 (160)	605 (160)
Hydraulic oil tank		ltr. (U.S.Gal)	188 (49.7)	188 (49.7)	188 (49.7)	188 (49.7)
MACHINE SPEC:						
Boom		mm (ft.in)	6000 (19'8")	6470 (21'3")	6470 (21'3")	6470 (21'3")
Arm		mm (ft.in)	2600 (8'6")	3185 (10'5")	3185 (10'5")	3185 (10'5")
Bucket (SAE)		m ³ (cu.yd)	2.30 (3.01)	1.40 (1.83)	1.40 (1.83)	1.40 (1.83)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Model		PC300LC-8M0	PC300LC-8M0	PC300LC-8M0	PC300LC-7	
Item						
Source		Japan	UK (for Turkey)	Russia	India	
Emissions		T3e/S3Ae	T3e/S3Ae	T3e/S3Ae	—	
OPERATING WEIGHT*		kg (lb)	32200 (70,990)	32200 (70,990)	32200 (70,990)	33300 (73,410)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 194 (260)/1950 187 (250)/1950	kW (HP)/RPM 194 (260)/1950 187 (250)/1950	kW (HP)/RPM 194 (260)/1950 187 (250)/1950	kW (HP)/RPM 180 (242)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.52 ~ 1.80 (0.68) (2.35)	0.52 ~ 1.80 (0.68) (2.35)	0.52 ~ 1.80 (0.68) (2.35)	1.40 ~ 2.10 (1.83) (2.75)
PERFORMANCE:						
Swing speed		RPM	9.5	9.5	9.5	9.5
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke		mm (in)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)
Piston displacement		ltr. (cu.in)	8.27 (505)	8.27 (505)	8.27 (505)	8.27 (505)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	535 (141)	535 (141)	535 (141)	535 (141)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.53 (7.5)	700 (28)/ 0.53 (7.5)	700 (28)/ 0.53 (7.5)	600 (24)/ 0.67 (9.53)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	605 (160)	605 (160)	605 (160)	605 (160)
Hydraulic oil tank		ltr. (U.S.Gal)	188 (49.7)	188 (49.7)	188 (49.7)	188 (49.7)
MACHINE SPEC:						
Boom		mm (ft.in)	6470 (21'3")	6470 (21'3")	6470 (21'3")	6470 (21'3")
Arm		mm (ft.in)	3185 (10'5")	3185 (10'5")	3185 (10'5")	3185 (10'5")
Bucket (SAE)		m ³ (cu.yd)	1.40 (1.83)	1.40 (1.83)	1.40 (1.83)	1.40 (1.83)

Model		PC308USLC-3E0	PC350-8	PC350-8M0	PC350-8M0 (SE spec.)	
Item						
Source		Japan (for USA)	Japan	Japan, Thailand	Japan	
Emissions		T3/S3A	T3/S3A	T3e/S3Ae	T3e/S3Ae	
OPERATING WEIGHT*		kg (lb)	32630 (71,940)	32600 (71,870)	32600 (71,870)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 149 (060)/2050 140 (187)/2050	kW (HP)/RPM 194 (260)/1950 184 (246)/1950	kW (HP)/RPM 194 (260)/1950 187 (250)/1950	kW (HP)/RPM 194 (260)/1950 187 (250)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.58 ~ 1.63 (0.76) (2.13)	1.40 (1.83)	0.52 ~ 1.80 (0.68) (2.35)	0.68 ~ 2.22 (0.89) (2.90)
PERFORMANCE:						
Swing speed		RPM	9.5	9.5	9.5	9.5
Max travel speed		Hi Mi Lo	4.6 (2.85) 3.4 (2.1) 2.9 (1.8)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.31)
Piston displacement		ltr. (cu.in)	5.88 (359)	8.27 (505)	8.27 (505)	8.27 (505)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	
Max. oil flow		ltr. (U.S.Gal)/min.	450 (119)	535 (141)	535 (141)	535 (141)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	850 (33.5)/ 0.44 (6.3)	600 (24)/ 0.67 (9.5)	600 (24)/ 0.67 (9.5)	600 (24)/ 0.67 (9.5)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	390 (103)	605 (160)	605 (160)	605 (160)
Hydraulic oil tank		ltr. (U.S.Gal)	210 (55.5)	188 (49.7)	188 (49.7)	188 (49.7)
MACHINE SPEC:						
Boom		mm (ft.in)	5840 (19'2")	6470 (21'3")	6470 (21'3")	6000 (19'8")
Arm		mm (ft.in)	3045 (10'0")	3185 (10'5")	3185 (10'5")	2550 (8'4")
Bucket (SAE)		m ³ (cu.yd)	1.21 (1.58)	1.40 (1.83)	1.40 (1.83)	1.90 (2.49)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC350-8M0	PC350-8M0 (SE spec.)	PC350LC-8	PC350LC-8M0
Source			UK (for Turkey)	UK (for Turkey)	Japan	Japan
Emissions			T3e/S3Ae	T3e/S3Ae	T3/S3A	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)	32600 (71,870)	32900 (71,870)	33660 (74,210)	33660 (74,210)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	194 (260)/1950	194 (260)/1950	194 (260)/1950	194 (260)/1950
	ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM	187 (250)/1950	184 (246)/1950	184 (246)/1950	187 (250)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.52 ~ 1.80 (0.68) (2.35)	1.90 ~ 2.30 (2.48) (3.0)	1.40 (1.83)	0.52 ~ 1.80 (0.68) (2.35)
PERFORMANCE:						
Swing speed		RPM	9.5	9.5	9.5	9.5
Max travel speed	Hi	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
	Mi		4.5 (2.8)	4.5 (2.8)	4.5 (2.8)	4.5 (2.8)
	Lo		3.2 (2.0)	3.2 (2.0)	3.2 (2.0)	3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke	mm	SAA6D114E-3	SAA6D114E-3	SAA6D114E-3	SAA6D114E-3	
	(in)	6-114 × 135	6-114 × 135	6-114 × 135	6-114 × 135	
Piston displacement	ltr. (cu.in)	(4.49 × 5.31) 8.27 (505)	(4.49 × 5.31) 8.27 (505)	(4.49 × 5.31) 8.27 (505)	(4.49 × 5.31) 8.27 (505)	
HYDRAULIC SYSTEM:						
Hydraulic pump		2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	
Max. oil flow	ltr. (U.S.Gal)/min.	535 (141)	535 (141)	535 (141)	535 (141)	
Max. oil pressure	kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)	
Track shoe width/ ground pressure	mm (in)/	600 (24)/	600 (24)/	600 (24)/	600 (24)/	
	kg/cm ² (PSI)	0.67 (9.5)	0.67 (9.5)	0.64 (9.12)	0.64 (9.1)	
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)	605 (160)	605 (160)	605 (160)	605 (160)	
Hydraulic oil tank	ltr. (U.S.Gal)	188 (49.7)	188 (49.7)	188 (49.7)	188 (49.7)	
MACHINE SPEC:						
Boom	mm (ft.in)	6470 (21'3")	6000 (19'8")	6470 (21'3")	6470 (21'3")	
Arm	mm (ft.in)	3185 (10'5")	2550 (8'4")	3185 (10'5")	3185 (10'5")	
Bucket (SAE)	m ³ (cu.yd)	1.40 (1.83)	1.90 (2.49)	1.40 (1.83)	1.40 (1.83)	

Item		Model	PC350LC-8M0 (SE spec.)	PC350LC-8M0	PC350LC-8M0 (SE spec.)	PC350LC-8
Source			Japan	UK (for Turkey)	UK (for Turkey)	Brazil
Emissions			T3e/S3Ae	T3e/S3Ae	T3e/S3Ae	T3/S3A
OPERATING WEIGHT*		kg (lb)	34000 (71,870)	33660 (74,210)	34000 (71,870)	35000 (77,160)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	194 (260)/1950	194 (260)/1950	194 (260)/1950	194 (260)/1950
	ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM	187 (250)/1950	187 (250)/1950	187 (250)/1950	184 (246)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.10 ~ 2.30 (2.75) (3.0)	0.52 ~ 1.80 (0.68) (2.35)	1.90 ~ 2.30 (2.48) (3.0)	0.68 ~ 2.50 (0.87) (3.27)
PERFORMANCE:						
Swing speed		RPM	9.5	9.5	9.5	9.5
Max travel speed	Hi	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
	Mi		4.5 (2.8)	4.5 (2.8)	4.5 (2.8)	4.5 (2.8)
	Lo		3.2 (2.0)	3.2 (2.0)	3.2 (2.0)	3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke	mm	SAA6D114E-3	SAA6D114E-3	SAA6D114E-3	SAA6D114E-3	
	(in)	6-114 × 135	6-114 × 135	6-114 × 135	6-114 × 135	
Piston displacement	ltr. (cu.in)	(4.49 × 5.31) 8.27 (505)	(4.49 × 5.31) 8.27 (505)	(4.49 × 5.31) 8.27 (505)	(4.49 × 5.31) 8.27 (505)	
HYDRAULIC SYSTEM:						
Hydraulic pump		2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	
Max. oil flow	ltr. (U.S.Gal)/min.	535 (141)	535 (141)	535 (141)	535 (141)	
Max. oil pressure	kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)	
Track shoe width/ ground pressure	mm (in)/	600 (24)/	600 (24)/	600 (24)/	600 (24)/	
	kg/cm ² (PSI)	0.64 (9.1)	0.64 (9.1)	0.64 (9.1)	0.67 (9.5)	
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)	605 (160)	605 (160)	605 (160)	605 (160)	
Hydraulic oil tank	ltr. (U.S.Gal)	188 (49.7)	188 (49.7)	188 (49.7)	188 (49.7)	
MACHINE SPEC:						
Boom	mm (ft.in)	6000 (19'8")	6470 (21'3")	6000 (19'8")	6560 (21'4")	
Arm	mm (ft.in)	2550 (8'4")	3185 (10'5")	2550 (8'4")	2550 (8'4")	
Bucket (SAE)	m ³ (cu.yd)	1.90 (2.49)	1.40 (1.83)	1.90 (2.49)	2.23 (2.92)	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC350LC-7	PC360LC-11	PC360LC-11	PC360LC-11
Source			India	Japan	USA	UK
Emissions			—	T4F/S4	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	34500 (76,060)	36200 (79,810)	36129 (79,480)	36280 (79,980)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	202 (271)/1950 192 (257)/1950	202 (271)/1950 192 (257)/1950	202 (271)/1950 192 (257)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.40 (1.83)	0.68 ~ 1.96 (0.89) (2.56)	0.68 ~ 1.96 (0.89) (2.56)	Max. 2.66 (3.48)
PERFORMANCE:						
Swing speed		RPM	9.5	9.5	9.5	9.5
Max travel speed		Hi Mi Lo	5.5 (3.4)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D114E-3	SAA6D114E-6	SAA6D114E-6	SAA6D114E-6
No. of cylinders- bore × stroke		mm (in)	6-114 × 135 (4.49 × 5.31)	6-114 × 144.5 (4.49 × 5.69)	6-114 × 144.5 (4.49 × 5.69)	6-114 × 144.5 (4.49 × 5.69)
Piston displacement		ltr. (cu.in)	8.27 (505)	8.85 (540)	8.85 (540)	8.85 (540)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min. kg/cm ² (PSI)	535 (141) 380 (5400)	535 (141) 390 (5545)	535 (141) 380 (5400)	535 (141) 390 (5550)
Max. oil pressure						
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.69 (9.8)	800 (31.5)/ 0.51 (7.3)	800 (31.5)/ 0.52 (7.4)	700 (28)/ 0.59 (8.4)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	605 (160)	605 (160)	605 (160)	605 (160)
Hydraulic oil tank		ltr. (U.S.Gal)	188 (49.7)	188 (49.7)	188 (49.7)	188 (49.7)
MACHINE SPEC:						
Boom		mm (ft.in)	6470 (21'3")	6500 (21'4")	6500 (21'4")	6500 (21'4")
Arm		mm (ft.in)	3185 (10'5")	3185 (10'5")	3185 (10'5")	3185 (10'5")
Bucket (SAE)		m ³ (cu.yd)	1.40 (1.83)	1.96 (2.56)	1.96 (2.56)	1.96 (2.56)

Item		Model	PC360NLC-11	PC360LC-10	PC360-8M0	PC390LC-11	
Source			UK	Japan	China	USA	
Emissions			T4F/S4	T4i/S3B	T3e/S3Ae	T4F/S4	
OPERATING WEIGHT*		kg (lb)	35800 (79,480)	35220 (77,650)	33550 (73,960)	40359 (88,980)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	202 (271)/1950 192 (257)/1950	202 (271)/1950 192 (257)/1950	187 (250)/1950	202 (271)/1950 192 (257)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	Max. 2.66 (3.48)	1.40 (1.83)	1.60 (2.09)	0.68 ~ 2.22 (0.89) (3.03)	
PERFORMANCE:							
Swing speed		RPM	9.5	9.5	9.5	9.5	
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	4.3 (2.7) 3.5 (2.2) 2.8 (1.7)	
DIMENSIONS: See the page of dimensions.							
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU	
Model			SAA6D114E-6	SAA6D114E-5	SAA6D114E-3	SAA6D114E-6	
No. of cylinders- bore × stroke		mm (in)	6-114 × 144.5 (4.49 × 5.69)	6-114 × 144.5 (4.49 × 5.69)	6-114 × 135 (4.49 × 5.31)	6-114 × 144.5 (4.49 × 5.69)	
Piston displacement		ltr. (cu.in)	8.85 (540)	8.85 (540)	8.27 (505)	8.85 (540)	
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	
Hydraulic pump							
Max. oil flow		ltr. (U.S.Gal)/min. kg/cm ² (PSI)	535 (141) 390 (5550)	535 (141) 390 (5545)	535 (141) 380 (5400)	535 (141) 380 (5400)	
Max. oil pressure							
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.68 (9.7)	850 (33.5)/ 0.47 (6.7)	600 (28)/ 0.70 (10.0)	800 (31.5)/ 0.54 (7.7)	
CAPACITY (Refilled):							
Fuel tank		ltr. (U.S.Gal)	605 (160)	605 (160)	605 (160)	605 (160)	
Hydraulic oil tank		ltr. (U.S.Gal)	188 (49.7)	188 (49.7)	188 (49.7)	188 (49.7)	
MACHINE SPEC:							
Boom		mm (ft.in)	6500 (21'4")	6470 (21'3")	6470 (21'3")	6500 (21'3")	
Arm		mm (ft.in)	3185 (10'5")	3185 (10'5")	3180 (10'5")	3185 (10'5")	
Bucket (SAE)		m ³ (cu.yd)	1.40 (1.83)	1.40 (1.83)	1.60 (2.09)	1.96 (2.56)	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC390LC-8M0	PC400-8	PC400-8R	PC400-8R (SE spec.)
Source			Japan	Japan	Japan	Indonesia
Emissions			T3e/S3Ae	T3/S3A	—	—
OPERATING WEIGHT*		kg (lb)	38600 (85,100)	41740 (92,020)	41740 (92,020)	43480 (95,860)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	194 (260)/1950 187 (250)/1950	270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.30 ~ 2.80 (2.56) (3.66)	1.30 ~ 2.20 (1.70) (2.88)	1.30 ~ 2.20 (1.70) (2.88)	1.30 ~ 3.00 (1.70) (3.90)
PERFORMANCE:						
Swing speed		RPM	9.5	9.1	9.1	9.1
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model			KOMATSU SAA6D114E-3	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5
No. of cylinders- bore × stroke		mm (in)	6-114 × 144.5 (4.49 × 5.69)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	8.85 (540)	11.04 (674)	11.04 (674)	11.04 (674)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	535 (141)	690 (182)	690 (182)	690 (182)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.68 (9.7)	600 (24)/ 0.79 (11.2)	600 (24)/ 0.79 (11.2)	800 (31.5)/ 0.62 (8.81)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	605 (160)	650 (172)	650 (172)	650 (172)
Hydraulic oil tank		ltr. (U.S.Gal)	188 (49.7)	248 (65.5)	248 (65.5)	248 (65.5)
MACHINE SPEC:						
Boom		mm (ft.in)	6000 (19'8")	7060 (23'2")	7060 (23'2")	7060 (23'2")
Arm		mm (ft.in)	2550 (8'4")	3380 (11'1")	3380 (11'1")	2400 (7'10")
Bucket (SAE)		m ³ (cu.yd)	2.30 (2.56)	1.90 (2.49)	1.90 (2.49)	3.00 (3.90)

Item		Model	PC400-7	PC400LC-8	PC400LC-8R	PC400LC-8R (SE spec.)
Source			Japan, Russia	Japan	Japan	Indonesia
Emissions			—	T3/S3A	—	—
OPERATING WEIGHT*		kg (lb)	41400 (91,270)	42740 (94,220)	42740 (94,220)	45330 (99,930)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.30 ~ 2.20 (1.7) (2.9)	1.30 ~ 2.20 (1.70) (2.88)	1.30 ~ 2.20 (1.70) (2.88)	1.30 ~ 3.20 (1.7) (4.19)
PERFORMANCE:						
Swing speed		RPM	9.0	9.1	9.1	9.1
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model			KOMATSU SAA6D125E-3	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.90)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	690 (182)	690 (182)	690 (182)	690 (182)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.79 (11.2)	700 (28)/ 0.65 (9.24)	700 (28)/ 0.65 (9.24)	800 (31.5)/ 0.61 (8.6)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	650 (172)	650 (172)	650 (172)	650 (172)
Hydraulic oil tank		ltr. (U.S.Gal)	248 (65.5)	248 (65.5)	248 (65.5)	248 (65.5)
MACHINE SPEC:						
Boom		mm (ft.in)	7060 (23'2")	7060 (23'2")	7060 (23'2")	6700 (22'0")
Arm		mm (ft.in)	3380 (11'1")	3380 (11'1")	3380 (11'1")	2400 (7'10")
Bucket (SAE)		m ³ (cu.yd)	1.90 (2.49)	1.90 (2.49)	1.90 (2.49)	3.20 (4.19)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC400LC-7	PC430-8	PC450-8	PC450-8R
Source			Japan, Russia	China	Japan	Japan
Emissions			—	T3/S3A	T3/S3A	—
OPERATING WEIGHT*		kg (lb)	42850 (94,470)	43200 (95,240)	43320 (95,500)	43320 (95,500)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	263 (353)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.30 ~ 2.20 (1.7) (2.9)	1.90 ~ 2.10 (2.49) (2.75)	1.90 ~ 2.10 (2.49) (2.75)	1.90 ~ 2.10 (2.49) (2.75)
PERFORMANCE:						
Swing speed		RPM	9.0	9.1	9.1	9.1
Max travel speed		Hi Mi Lo km/h (MPH)	5.5 (3.4) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D125E-3	SAA6D125E-5	SAA6D125E-5	SAA6D125E-5
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.90)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	1 × Variable Piston	1 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	690 (182)	722 (191)	690 (182)	690 (182)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	385.5 (5480)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.66 (9.4)	600 (24)/ 0.83 (11.8)	600 (24)/ 0.82 (11.7)	600 (24)/ 0.82 (11.7)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	650 (172)	650 (172)	650 (172)	650 (172)
Hydraulic oil tank		ltr. (U.S.Gal)	248 (65.5)	248 (65.5)	248 (65.5)	248 (65.5)
MACHINE SPEC:						
Boom		mm (ft.in)	7060 (23'2")	7060 (23'2")	7060 (23'2")	7060 (23'2")
Arm		mm (ft.in)	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket (SAE)		m ³ (cu.yd)	1.90 (2.49)	1.90 (2.49)	1.90 (2.49)	1.90 (2.49)

Item		Model	PC450LC-8	PC450LC-8R	PC450LC-7	PC460LC-8	
Source			Japan	Japan	India	China	
Emissions			T3/S3A	—	—	T3/S3A	
OPERATING WEIGHT*		kg (lb)	44320 (97,710)	44320 (97,710)	45000 (99,210)	46000 (101,410)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900	259 (347)/1850 246 (330)/1850	263 (353)/1900 257 (345)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.90 ~ 2.10 (2.49) (2.75)	1.90 ~ 2.10 (2.49) (2.75)	1.90 ~ 3.10 (2.49) (4.05)	2.10 ~ 2.50 (2.75) (3.27)	
PERFORMANCE:							
Swing speed		RPM	9.1	9.1	9.0	9.1	
Max travel speed		Hi Mi Lo km/h (MPH)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	
DIMENSIONS: See the page of dimensions.							
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU	
Model			SAA6D125E-5	SAA6D125E-5	SAA6D125E-3	SAA6D125E-5	
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)	
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	
Hydraulic pump							
Max. oil flow		ltr. (U.S.Gal)/min.	690 (182)	690 (182)	690 (182)	722 (191)	
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)	
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.78 (11.1)	600 (24)/ 0.78 (11.1)	600 (24)/ 0.81 (11.5)	600 (24)/ 0.81 (11.5)	
CAPACITY (Refilled):							
Fuel tank		ltr. (U.S.Gal)	650 (172)	650 (172)	650 (172)	650 (172)	
Hydraulic oil tank		ltr. (U.S.Gal)	248 (65.5)	248 (65.5)	248 (65.5)	248 (65.5)	
MACHINE SPEC:							
Boom		mm (ft.in)	7060 (23'2")	7060 (23'2")	7060 (23'2")	7060 (23'2")	
Arm		mm (ft.in)	3380 (11'1")	3380 (11'1")	2400 (7'10")	3380 (11'1")	
Bucket (SAE)		m ³ (cu.yd)	1.90 (2.49)	1.90 (2.49)	2.60 (3.40)	2.10 (2.75)	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC490-11	PC490LC-11**	PC490LC-11***	PC490LC-11**
Source			UK	Japan	Japan	USA
Emissions			T4F/S4	T4F/S4	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	46470 (102,450)	46500 (102,510)	47500 (104,720)	47930 (105,670)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	270 (362)/1900	270 (362)/1900	270 (362)/1900	270 (362)/1900
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	268 (359)/1900	268 (359)/1900	268 (359)/1900	268 (359)/1900
	Hyd. fan at max. speed Net	kW (HP)/RPM				
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	Max. 3.50 (4.58)	1.90 ~ 2.10 (2.49) (2.75)	1.90 ~ 2.10 (2.49) (2.75)	1.12 ~ 3.17 (1.47) (4.15)
PERFORMANCE:						
Swing speed		RPM	9.1	9.1	9.1	9.0
Max travel speed	Hi	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
	Mi		4.2 (2.6)	4.2 (2.6)	4.2 (2.6)	4.2 (2.6)
	Lo		3.0 (1.9)	3.0 (1.9)	3.0 (1.9)	3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D125E-7	SAA6D125E-7	SAA6D125E-7	SAA6D125E-7
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	690 (182)	739 (195)	739 (195)	780 (206)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.88 (12.5)	700 (28)/ 0.71 (10.1)	700 (28)/ 0.73 (10.4)	700 (28)/ 0.73 (10.4)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	650 (172)	650 (172)	650 (172)	650 (172)
Hydraulic oil tank		ltr. (U.S.Gal)	248 (65.5)	248 (65.5)	248 (65.5)	248 (65.5)
MACHINE SPEC:						
Boom		mm (ft.in)	7060 (23'2")	7060 (23'2")	7060 (23'2")	7060 (23'2")
Arm		mm (ft.in)	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket (SAE)		m ³ (cu.yd)	2.20 (2.88)	1.90 (2.49)	1.90 (2.49)	2.25 (2.94)

Item		Model	PC490LC-11***	PC490LC-11	PC490LC-10	PC500LC-10M0
Source			USA	UK	Japan	Japan
Emissions			T4F/S4	T4F/S4	T4i/S3B	S3Ae
OPERATING WEIGHT*		kg (lb)	49005 (108,040)	47870 (104,520)	46660 (102,870)	49500 (109,130)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	270 (362)/1900	270 (362)/1900	270 (362)/1900	270 (362)/1900
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	268 (359)/1900	268 (359)/1900	268 (359)/1900	269 (360)/1900
	Hyd. fan at max. speed Net	kW (HP)/RPM				
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	1.12 ~ 3.17 (1.47) (4.15)	Max. 3.50 (4.58)	1.90 ~ 2.10 (2.49) (2.75)	2.50 ~ 3.10 (3.27) (4.05)
PERFORMANCE:						
Swing speed		RPM	9.0	9.1	9.1	9.1
Max travel speed	Hi	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)	5.5 (3.4)
	Mi		4.2 (2.6)	4.2 (2.6)	4.2 (2.6)	4.2 (2.6)
	Lo		3.0 (1.9)	3.0 (1.9)	3.0 (1.9)	3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D125E-7	SAA6D125E-7	SAA6D125E-6-A	SAA6D125E-5
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	780 (206)	690 (182)	690 (182)	690 (182)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.75 (10.6)	700 (28)/ 0.73 (10.2)	700 (28)/ 0.71 (10.1)	600 (24)/ 0.88(12.5)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	650 (172)	650 (172)	650 (172)	640 (169)
Hydraulic oil tank		ltr. (U.S.Gal)	248 (65.5)	248 (65.5)	248 (65.5)	279 (73.7)
MACHINE SPEC:						
Boom		mm (ft.in)	7060 (23'2")	7060 (23'2")	7060 (23'2")	7060 (23'2")
Arm		mm (ft.in)	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket (SAE)		m ³ (cu.yd)	2.25 (2.94)	2.20 (2.88)	1.90 (2.49)	2.50 (3.27)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item	Model	PC500LC-10M0 (SE spec.)	PC500LC-10R	PC500LC-10R (SE spec.)	PC500LC-8	
Source		Japan	Japan	Japan	Japan	
Emissions		S3Ae	—	—	T3/S3A	
OPERATING WEIGHT*		kg (lb)	49400 (108,910)	49500 (109,130)	49400 (108,910)	47700 (105,160)
HORSEPOWER	SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	270 (362)/1900 269 (360)/1900	270 (362)/1900 269 (360)/1900	270 (362)/1900 269 (360)/1900	270 (362)/1900 257 (345)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	3.50 ~ 4.00 (4.58) (5.23)	2.50 ~ 3.10 (3.27) (4.05)	3.50 ~ 4.00 (4.58) (5.23)	2.70 ~ 3.10 (2.49) (4.05)
PERFORMANCE:						
Swing speed		RPM	9.1	9.1	9.1	9.1
Max travel speed	Hi Mi Lo	km/h (MPH)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	
No. of cylinders- bore × stroke	mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	
Piston displacement	ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)	
HYDRAULIC SYSTEM:						
Hydraulic pump		2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	
Max. oil flow	ltr. (U.S.Gal)/min.	690 (182)	690 (182)	690 (182)	690 (182)	
Max. oil pressure	kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)	
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.88(12.5)	600 (24)/ 0.88(12.5)	600 (24)/ 0.88 (12.5)	600 (24)/ 0.84 (11.9)	
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)	640 (169)	640 (169)	640 (169)	650 (172)	
Hydraulic oil tank	ltr. (U.S.Gal)	279 (73.7)	279 (73.7)	279 (73.7)	248 (65.5)	
MACHINE SPEC:						
Boom	mm (ft.in)	6670 (21'11")	7060 (23'2")	6670 (21'11")	7060 (23'2")	
Arm	mm (ft.in)	2400 (7'10")	3380 (11'1")	2400 (7'10")	3380 (11'1")	
Bucket (SAE)	m ³ (cu.yd)	4.00 (5.23)	2.50 (3.27)	4.00 (5.23)	2.70 (2.49)	

Item	Model	PC500LC-8 (SE spec.)	PC500LC-8R	PC500LC-8R (SE spec.)	PC550LC-8	
Source		Japan	Japan	Japan	Japan	
Emissions		T3/S3A	—	—	T3/S3A	
OPERATING WEIGHT*		kg (lb)	48900 (107,800)	47700 (105,160)	48900 (107,800)	51130 (112,720)
HORSEPOWER	SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900	270 (362)/1900 263 (353)/1900
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	3.10 ~ 4.00 (4.05) (5.23)	2.70 ~ 3.10 (2.49) (4.05)	3.10 ~ 4.00 (4.05) (5.23)	3.05 (3.99)
PERFORMANCE:						
Swing speed		RPM	9.1	9.1	9.1	9.1
Max travel speed	Hi Mi Lo	km/h (MPH)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	5.5 (3.4) 4.2 (2.6) 3.0 (1.9)	4.0 (2.5) 3.0 (1.9) 2.6 (1.6)
DIMENSIONS: See the page of dimensions.						
ENGINE:						
Model		KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5-A	
No. of cylinders- bore × stroke	mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	
Piston displacement	ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)	
HYDRAULIC SYSTEM:						
Hydraulic pump		2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	
Max. oil flow	ltr. (U.S.Gal)/min.	690 (182)	690 (182)	690 (182)	690 (182)	
Max. oil pressure	kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)	
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.86 (12.2)	600 (24)/ 0.84 (11.9)	600 (24)/ 0.86 (12.2)	600 (24)/ 0.93 (13.2)	
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)	650 (172)	650 (172)	650 (172)	650 (172)	
Hydraulic oil tank	ltr. (U.S.Gal)	248 (65.5)	248 (65.5)	248 (65.5)	248 (65.5)	
MACHINE SPEC:						
Boom	mm (ft.in)	6670 (21'11")	7060 (23'2")	6670 (21'11")	6670 (21'11")	
Arm	mm (ft.in)	2400 (7'10")	3380 (11'1")	2400 (7'10")	2400 (7'10")	
Bucket (SAE)	m ³ (cu.yd)	3.10 (4.05)	2.70 (2.49)	3.10 (4.05)	3.05 (3.99)	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Model		PC600-8E0	PC600-8R1	PC600LC-8E0	PC600LC-8R1	
Item						
Source		Japan	Japan	Japan	Japan	
Emissions		T3/S3A	—	T3/S3A	—	
OPERATING WEIGHT*		kg (lb)	59200 (130,510)	59200 (130,510)	60200 (132,720)	60200 (132,720)
HORSEPOWER		SAE J1995 Gross kW (HP)/RPM	323 (433)/1800	323 (433)/1800	323 (433)/1800	323 (433)/1800
ISO9249 /SAE J1349 Net kW (HP)/RPM		320 (429)/1800	320 (429)/1800	320 (429)/1800	320 (429)/1800	320 (429)/1800
Hyd. fan at max. speed Net kW (HP)/RPM		288 (386)/1800	288 (386)/1800	288 (386)/1800	288 (386)/1800	288 (386)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.00 ~ 3.50 (2.62) (4.58)	2.00 ~ 3.50 (2.62) (4.58)	2.00 ~ 3.50 (2.62) (4.58)	2.00 ~ 3.50 (2.62) (4.58)
PERFORMANCE:						
Swing speed		RPM	8.3	8.3	8.3	8.3
Max travel speed		Hi Mi Lo km/h (MPH)	4.9 (3.0)	4.9 (3.0)	4.9 (3.0)	4.9 (3.0)
DIMENSIONS: See the page of dimensions.			3.0 (1.9)	3.0 (3.9)	3.0 (1.9)	3.0 (1.9)
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke		mm (in)	SAA6D140E-5 6-140 × 165 (5.51 × 6.50)	SAA6D140E-5 6-140 × 165 (5.51 × 6.50)	SAA6D140E-5 6-140 × 165 (5.51 × 6.50)	SAA6D140E-5 6-140 × 165 (5.51 × 6.50)
Piston displacement		ltr. (cu.in)	15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	820 (217)	820 (217)	820 (217)	820 (217)
Max. oil pressure		kg/cm ² (PSI)	325 (4620)	325 (4620)	325 (4620)	325 (4620)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 1.07 (15.2)	600 (24)/ 1.07 (15.2)	600 (24)/ 1.01 (14.4)	600 (24)/ 1.01 (14.4)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	880 (232)	880 (232)	880 (232)	880 (232)
Hydraulic oil tank		ltr. (U.S.Gal)	360 (95.0)	360 (95.0)	360 (95.0)	360 (95.0)
MACHINE SPEC:						
Boom		mm (ft.in)	7660 (25'2")	7660 (25'2")	7660 (25'2")	7660 (25' 2")
Arm		mm (ft.in)	3500 (11'6")	3500 (11'6")	3500 (11'6")	3500 (11' 6")
Bucket (SAE)		m ³ (cu.yd)	2.70 (3.53)	2.70 (3.53)	2.70 (3.53)	2.70 (3.53)

Model		PC650LC-11	PC650LC-8E0	PC650LC-8E0 (SE spec.)	PC700LC-11	
Item						
Source		Japan (for USA)	China	China	UK	
Emissions		T4F/S4	T3/S3A	T3/S3A	T4F/S4	
OPERATING WEIGHT*		kg (lb)	65500 (144,400)	61400 (135,360)	61850 (136,350)	67500 (148,810)
HORSEPOWER		SAE J1995 Gross kW (HP)/RPM	327 (439)/1800	323 (433)/1800	323 (433)/1800	327 (439)/1800
ISO9249 /SAE J1349 Net kW (HP)/RPM		325 (436)/1800	320 (429)/1800	320 (429)/1800	325 (436)/1800	325 (436)/1800
Hyd. fan at max. speed Net kW (HP)/RPM		293 (392)/1800	293 (392)/1800		293 (392)/1800	
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.00 ~ 2.70 (2.62) (3.53)	3.10 (4.05)	3.50 (4.58)	Max. 5.58 (7.30)
PERFORMANCE:						
Swing speed		RPM	8.3	8.3	8.3	8.3
Max travel speed		Hi Mi Lo km/h (MPH)	4.9 (3.0)	4.9 (3.0)	4.9 (3.0)	4.6 (2.9)
DIMENSIONS: See the page of dimensions.			3.0 (1.9)	3.0 (1.9)	3.0 (1.9)	2.8 (1.7)
ENGINE:						
Model		KOMATSU	KOMATSU	KOMATSU	KOMATSU	
No. of cylinders- bore × stroke		mm (in)	SAA6D140E-7 6-140 × 165 (4.92 × 5.91)	SAA6D140E-5 6-140 × 165 (4.92 × 5.91)	SAA6D140E-5 6-140 × 165 (4.92 × 5.91)	SAA6D140E-7 6-140 × 165 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	820 (217)	820 (217)	820 (217)	820 (217)
Max. oil pressure		kg/cm ² (PSI)	350 (4980)	350 (4980)	350 (4980)	350 (4980)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	900 (35.4)/ 0.73 (10.4)	600 (24)/ 1.03 (14.6)	600 (24)/ 1.03 (14.6)	610 (24)/ 1.11 (15.8)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	880 (232)	880 (232)	880 (232)	880 (232)
Hydraulic oil tank		ltr. (U.S.Gal)	360 (95.0)	360 (95.0)	360 (95.0)	360 (95.0)
MACHINE SPEC:						
Boom		mm (ft.in)	7660 (25'2")	7280 (23'11")	6600 (21'8")	6600 (21'8")
Arm		mm (ft.in)	3500 (11'6")	3480 (11'5")	2900 (9'6")	2900 (9'6")
Bucket (SAE)		m ³ (cu.yd)	2.70 (3.53)	3.10 (4.05)	3.50 (4.58)	2.70 (3.53)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC700LC-8E0	PC700LC-8R	PC700LC-8E0	PC800-8E0
Source			Japan	Japan	China	Japan
Emissions			T3/S3A	—	T3/S3A	T3/S3A
OPERATING WEIGHT*		kg (lb)	65700 (144,840)	65700 (144,840)	67300 (148,370)	74500 (164,240)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	323 (433)/1800	323 (433)/1800	323 (433)/1800	370 (496)/1800
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	320 (429)/1800	320 (429)/1800	320 (429)/1800	363 (487)/1800
	Hyd. fan at max. speed Net	kW (HP)/RPM	288 (386)/1800	288 (386)/1800		338 (454)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.00 ~ 4.00 (2.62) (5.23)	2.00 ~ 4.00 (2.62) (5.23)	4.00 (5.23)	2.80 ~ 3.40 (3.66) (4.45)
PERFORMANCE:						
Swing speed		RPM	8.3	8.3	8.3	6.8
Max travel speed	Hi Mi Lo	km/h (MPH)	4.6 (2.9)	4.6 (2.9)	4.6 (2.9)	4.2 (2.6)
DIMENSIONS: See the page of dimensions.			2.8 (1.7)	2.8 (1.7)	2.8 (1.7)	2.8 (1.7)
ENGINE:						
Model			KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5
No. of cylinders- bore × stroke	mm (in)		6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)
Piston displacement	ltr. (cu.in)		15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow	ltr. (U.S.Gal)/min.		820 (217)	820 (217)	820 (217)	988 (261)
Max. oil pressure	kg/cm ² (PSI)		325 (4620)	325 (4620)	325 (4620)	320 (4550)
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)		610 (24)/ 1.09 (15.5)	610 (24)/ 1.09 (15.5)	610 (24)/ 1.11 (15.8)	610 (24)/ 1.24 (17.6)
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)		880 (232)	880 (232)	880 (232)	980 (259)
Hydraulic oil tank	ltr. (U.S.Gal)		360 (95.0)	360 (95.0)	360 (95.0)	470 (124)
MACHINE SPEC:						
Boom	mm (ft.in)		7660 (25'2")	7660 (25'2")	6600 (21'9")	8200 (26'11")
Arm	mm (ft.in)		3500 (11'6")	3500 (11'6")	3500 (11'6")	3600 (11'10")
Bucket (SAE)	m ³ (cu.yd)		2.70 (3.53)	2.70 (3.53)	2.70 (3.53)	3.10 (4.05)

Item		Model	PC800-8E0 (SE spec.)	PC800-8R1	PC800-8R1 (SE spec.)	PC800LC-8E0
Source			Japan	Japan	Japan	Japan
Emissions			T3/S3A	—	—	T3/S3A
OPERATING WEIGHT*		kg (lb)	75500 (166,450)	74500 (164,240)	75500 (166,450)	77500 (170,860)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	370 (496)/1800	370 (496)/1800	370 (496)/1800	370 (496)/1800
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	363 (487)/1800	363 (487)/1800	363 (487)/1800	363 (487)/1800
	Hyd. fan at max. speed Net	kW (HP)/RPM	338 (454)/1800	338 (454)/1800	338 (454)/1800	338 (454)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	4.00 ~ 4.50 (5.23) (5.89)	2.80 ~ 3.40 (3.66) (4.45)	4.00 ~ 4.50 (5.23) (5.89)	2.80 ~ 3.40 (3.66) (4.45)
PERFORMANCE:						
Swing speed		RPM	6.8	6.8	6.8	6.8
Max travel speed	Hi Mi Lo	km/h (MPH)	4.2 (2.6)	4.2 (2.6)	4.2 (2.6)	4.2 (2.6)
DIMENSIONS: See the page of dimensions.			2.8 (1.7)	2.8 (1.7)	2.8 (1.7)	2.8 (1.7)
ENGINE:						
Model			KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5
No. of cylinders- bore × stroke	mm (in)		6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)
Piston displacement	ltr. (cu.in)		15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)
HYDRAULIC SYSTEM:						
Hydraulic pump			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Max. oil flow	ltr. (U.S.Gal)/min.		988 (261)	988 (261)	988 (261)	988 (261)
Max. oil pressure	kg/cm ² (PSI)		320 (4550)	320 (4550)	320 (4550)	320 (4550)
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)		610 (24)/ 1.25 (17.8)	610 (24)/ 1.24 (17.6)	610 (24)/ 1.25 (17.8)	810 (32)/ 0.88 (12.5)
CAPACITY (Refilled):						
Fuel tank	ltr. (U.S.Gal)		980 (259)	980 (259)	980 (259)	980 (259)
Hydraulic oil tank	ltr. (U.S.Gal)		470 (124)	470 (124)	470 (124)	470 (124)
MACHINE SPEC:						
Boom	mm (ft.in)		7100 (23'4")	8200 (26'11")	7100 (23'4")	8200 (26'11")
Arm	mm (ft.in)		2945 (9'8")	3600 (11'10")	2945 (9'8")	3600 (11'10")
Bucket (SAE)	m ³ (cu.yd)		4.00 (5.23)	3.10 (4.05)	4.00 (5.23)	3.10 (4.05)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC800LC-8R1	PC850-8E0	PC850-8E0 (SE spec.)	PC850-8R1
Source			Japan	Japan	Japan	Japan
Emissions			—	T3/S3A	T3/S3A	—
OPERATING WEIGHT*		kg (lb)	77500 (170,860)	79000 (17,420)	78600 (173,280)	79000 (17,420)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	370 (496)/1800	370 (496)/1800	370 (496)/1800	370 (496)/1800
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	363 (487)/1800	363 (487)/1800	363 (487)/1800	363 (487)/1800
	Hyd. fan at max. speed Net	kW (HP)/RPM	338 (454)/1800	338 (454)/1800	338 (454)/1800	338 (454)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.80 ~ 3.40 (3.66) (4.45)	3.40 (4.45)	4.00 ~ 4.50 (5.23) (5.89)	3.40 (4.45)
PERFORMANCE:						
Swing speed		RPM	6.8	6.8	6.8	6.8
Max travel speed	Hi Mi Lo	km/h (MPH)	4.2 (2.6)	4.2 (2.6)	4.2 (2.6)	4.2 (2.6)
			2.8 (1.7)	2.8 (1.7)	2.8 (1.7)	2.8 (1.7)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D140E-5	SAA6D140E-5	SAA6D140E-5	SAA6D140E-5
No. of cylinders- bore × stroke		mm (in)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)
Piston displacement		ltr. (cu.in)	15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	988 (261)	988 (261)	988 (261)	988 (261)
Max. oil pressure		kg/cm ² (PSI)	320 (4550)	320 (4550)	320 (4550)	320 (4550)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	810 (32)/ 0.88 (12.5)	610 (24)/ 1.31 (18.6)	610 (24)/ 1.31 (18.6)	610 (24)/ 1.31 (18.6)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	980 (259)	980 (259)	980 (259)	980 (259)
Hydraulic oil tank		ltr. (U.S.Gal)	470 (124)	470 (124)	470 (124)	470 (124)
MACHINE SPEC:						
Boom		mm (ft.in)	8200 (26'11")	8040 (26'5")	7100 (23'4")	8040 (26'5")
Arm		mm (ft.in)	3600 (11'10")	3600 (11'10")	2945 (9'8")	3600 (11'10")
Bucket (SAE)		m ³ (cu.yd)	3.10 (4.05)	3.40 (4.45)	4.30 (5.62)	3.40 (4.45)

Item		Model	PC850-8R1 (SE spec.)	PC1250-11	PC1250SP-11	PC1250-8
Source			Japan	Japan	Japan	Japan
Emissions			—	T4F	T4F	T3/S3A
OPERATING WEIGHT*		kg (lb)	78600 (173,280)	115900 (255,510)	118300 (260,800)	106500 (234,790)
HORSEPOWER	SAE J1995 Gross	kW (HP)/RPM	370 (496)/1800	578 (775)/1800	578 (775)/1800	514 (688)/1800
	ISO9249 /SAE J1349 Net	kW (HP)/RPM	363 (487)/1800	565 (758)/1800	565 (758)/1800	502 (672)/1800
	Hyd. fan at max. speed Net	kW (HP)/RPM	338 (454)/1800	519 (696)/1800	519 (696)/1800	463 (620)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	4.00 ~ 4.50 (5.23) (5.89)	3.40 ~ 5.20 (4.45) (6.80)	6.70 (8.76)	3.40 ~ 5.20 (4.4) (6.8)
PERFORMANCE:						
Swing speed		RPM	6.8	5.8	5.8	5.5
Max travel speed	Hi Mi Lo	km/h (MPH)	4.2 (2.6)	3.3 (2.1)	3.3 (2.1)	3.2 (2.0)
			2.8 (1.7)	2.3 (1.4)	2.3 (1.4)	2.1 (1.3)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA6D140E-5	SAA6D170E-7	SAA6D170E-7	SAA6D170E-5
No. of cylinders- bore × stroke		mm (in)	6-140 × 165 (5.51 × 6.50)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)
Piston displacement		ltr. (cu.in)	15.24 (930)	23.15 (1413)	23.15 (1413)	23.15 (1413)
HYDRAULIC SYSTEM:			2 × Variable Piston	3 × Variable Piston	3 × Variable Piston	3 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	988 (261)	1588 (420)	1588 (420)	1588 (420)
Max. oil pressure		kg/cm ² (PSI)	320 (4550)	320 (4550)	320 (4550)	320 (4550)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	610 (24)/ 1.31 (18.6)	700 (27.6)/ 1.51 (21.5)	700 (27.6)/ 1.54 (21.9)	700 (28)/ 1.39 (19.8)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	980 (259)	1360 (359)	1360 (359)	1360 (359)
Hydraulic oil tank		ltr. (U.S.Gal)	470 (124)	670 (177)	670 (177)	670 (177)
MACHINE SPEC:						
Boom		mm (ft.in)	7100 (23'4")	9100 (29'10")	7800 (25'7")	9100 (29'10")
Arm		mm (ft.in)	2945 (9'8")	3400 (11'2")	3400 (11'2")	3400 (11'2")
Bucket (SAE)		m ³ (cu.yd)	4.30 (5.62)	5.00 (6.54)	6.70 (8.76)	5.00 (6.5)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC1250-8 (SP spec.)	PC1250-8R	PC1250-8R (SP spec.)	PC1250-8R (SP spec.)
Source			Japan	Japan	Japan	Indonesia
Emissions			T3/S3A	—	—	—
OPERATING WEIGHT*		kg (lb)	110700 (244,050)	106500 (234,790)	110700 (244,050)	110700 (244,050)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 514 (688)/1800 502 (672)/1800 463 (620)/1800	514 (688)/1800 502 (672)/1800 463 (620)/1800	514 (688)/1800 502 (672)/1800 463 (620)/1800	514 (688)/1800 502 (672)/1800 463 (620)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	6.70 (8.8)	3.40 ~ 5.20 (4.4) (6.8)	6.70 (8.8)	6.70 (8.76)
PERFORMANCE:						
Swing speed		RPM	5.5	5.5	5.5	5.5
Max travel speed		Hi Mi Lo km/h (MPH)	3.2 (2.0)	3.2 (2.0)	3.2 (2.0)	3.2 (2.0)
DIMENSIONS: See the page of dimensions.			2.1 (1.3)	2.1 (1.3)	2.1 (1.3)	2.1 (1.3)
ENGINE:						
Model			KOMATSU SAA6D170E-5	KOMATSU SAA6D170E-5	KOMATSU SAA6D170E-5	KOMATSU SAA6D170E-5
No. of cylinders- bore × stroke		mm (in)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)
Piston displacement		ltr. (cu.in)	23.15 (1413)	23.15 (1413)	23.15 (1413)	23.15 (1413)
HYDRAULIC SYSTEM:						
Hydraulic pump			3 × Variable Piston	3 × Variable Piston	3 × Variable Piston	3 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	1588 (420)	1588 (420)	1588 (420)	1588 (420)
Max. oil pressure		kg/cm ² (PSI)	320 (4550)	320 (4550)	320 (4550)	320 (4550)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 1.44 (20.4)	700 (28)/ 1.39 (19.8)	700 (28)/ 1.44 (20.4)	700 (28)/ 1.44 (20.4)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	1360 (359)	1360 (359)	1360 (359)	1360 (359)
Hydraulic oil tank		ltr. (U.S.Gal)	670 (177)	670 (177)	670 (177)	670 (177)
MACHINE SPEC:						
Boom		mm (ft.in)	7800 (257")	9100 (29'10")	7800 (257")	7800 (257")
Arm		mm (ft.in)	3400 (11'2")	3400 (11'2")	3400 (11'2")	3400 (11'2")
Bucket (SAE)		m ³ (cu.yd)	6.70 (8.8)	5.00 (6.5)	6.70 (8.8)	6.70 (8.76)

Item		Model	PC1250-7	PC1250-7 (SP spec)	PC1250LC-11	PC1250LC-8
Source			Japan	Japan	Japan	Japan
Emissions			—	—	T4F	T3/S3A
OPERATING WEIGHT*		kg (lb)	106700 (235,230)	109500 (241,400)	122400 (269,840)	113500 (250,150)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 485 (651)/1800	485 (651)/1800	578 (775)/1800 565 (758)/1800 519 (696)/1800	514 (688)/1800 502 (672)/1800 463 (620)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	3.40 ~ 5.20 (4.45) (6.80)	6.70 (8.76)	3.40 ~ 5.20 (4.45) (6.80)	3.40 ~ 5.20 (5.23) (6.8)
PERFORMANCE:						
Swing speed		RPM	5.5	5.5	5.8	5.5
Max travel speed		Hi Mi Lo km/h (MPH)	3.2 (2.0)	3.2 (2.0)	3.3 (2.1)	3.2 (2.0)
DIMENSIONS: See the page of dimensions.			2.1 (1.3)	2.1 (1.3)	2.3 (1.4)	2.1 (1.3)
ENGINE:						
Model			KOMATSU SAA6D170E-3	KOMATSU SAA6D170E-3	KOMATSU SAA6D170E-7	KOMATSU SAA6D170E-5
No. of cylinders- bore × stroke		mm (in)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)
Piston displacement		ltr. (cu.in)	23.15 (1413)	23.15 (1413)	23.15 (1413)	23.15 (1413)
HYDRAULIC SYSTEM:						
Hydraulic pump			3 × Variable Piston	3 × Variable Piston	3 × Variable Piston	3 × Variable Piston
Max. oil flow		ltr. (U.S.Gal)/min.	1588 (420)	1588 (420)	1588 (420)	1588 (420)
Max. oil pressure		kg/cm ² (PSI)	320 (4550)	320 (4550)	320 (4550)	320 (4550)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 1.38 (19.6)	700 (28)/ 1.43 (20.3)	1000 (39.4)/ 0.95 (13.5)	1000 (39.4)/ 0.88 (12.5)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	1360 (359)	1360 (359)	1360 (359)	1360 (359)
Hydraulic oil tank		ltr. (U.S.Gal)	670 (177)	670 (177)	670 (177)	670 (177)
MACHINE SPEC:						
Boom		mm (ft.in)	9100 (29'10")	7800 (257")	9100 (29'10")	9100 (29'10")
Arm		mm (ft.in)	3400 (11'2")	3400 (11'2")	3400 (11'2")	3400 (11'2")
Bucket (SAE)		m ³ (cu.yd)	5.00 (6.54)	6.70 (8.76)	5.00 (6.54)	5.00 (6.5)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item	Model	PC2000-11	PC2000-8
Source		Japan	Japan, Indonesia
Emissions		T4F	—
OPERATING WEIGHT*	kg (lb)	201500 (444,230)	200000 (440,920)
HORSEPOWER	kW (HP)/RPM	794 (1065)/1800	728 (976)/1800
SAE J1995 Gross	kW (HP)/RPM	780 (1046)/1800	713 (956)/1800
ISO9249 /SAE J1349 Net	kW (HP)/RPM		679 (910)/1800
Hyd. fan at max. speed Net			
BUCKET CAPACITY RANGE (SAE)	m ³ (cu.yd)	12.00 ~ 13.70 (15.7) (17.9)	12.00~ 13.70 (15.7) (17.9)
PERFORMANCE:			
Swing speed	RPM	4.8	4.8
Max travel speed	km/h (MPH)	2.7 (1.7)	2.7 (1.7)
Hi			
Mi			
Lo			
DIMENSIONS: See the page of dimensions.			
ENGINE:			
Model		KOMATSU	KOMATSU
No. of cylinders-	mm	SAA12V140E-7	SAA12V140E-3
bore × stroke	(in)	12-140 × 165	12-140 × 165
Piston displacement	ltr. (cu.in)	(5.51 × 6.50)	(5.51 × 6.50)
		30.48 (1860)	30.48 (1860)
HYDRAULIC SYSTEM:			
Hydraulic pump		3 × Variable	2 × Variable
Max. oil flow	ltr. (U.S.Gal)/min.	Piston	Piston
Max. oil pressure	kg/cm ² (PSI)	2317 (612)	2317 (612)
		300 (4270)	300 (4270)
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)	810 (32)/ 1.96 (27.9)	810 (32)/ 1.94 (27.6)
CAPACITY (Refilled):			
Fuel tank	ltr. (U.S.Gal)	3400 (898)	3400 (898)
Hydraulic oil tank	ltr. (U.S.Gal)	1300 (343)	1300 (343)
MACHINE SPEC:			
Boom	mm (ft.in)	8700 (28'7")	8700 (28'7")
Arm	mm (ft.in)	3900 (12'10")	3900 (12'10")
Bucket (SAE)	m ³ (cu.yd)	12.00 (15.7)	12.00 (15.7)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4: EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

(Hybrid Excavator)

Item		Model	HB205-1M0	HB205-1M0	HB215LC-3	HB215LC-2
Source			Japan	China	Japan	Japan
Emissions			T3e/S3Ae	T3e/S3Ae	T4F/S4	T4i/S3B
OPERATING WEIGHT*		kg (lb)	20200 (44,530)	20200 (44,530)	22760 (50,180)	22480 (49,560)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 110 (148)/2000 104 (139)/2000	110 (148)/2000 104 (139)/2000	110 (148)/2000 110 (148)/2000	110 (148)/2000 104 (139)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.80 ~ 1.05 (1.05) (1.37)	0.80 ~ 0.94 (1.05) (1.37)	0.80 ~ 1.05 (1.05) (1.37)	0.80 ~ 1.05 (1.05) (1.37)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	12.4
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA4D107E-1-A	SAA4D107E-1	SAA4D107E-3	SAA4D107E-2
No. of cylinders- bore × stroke		mm (in)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	4.46 (272)	4.46 (272)	4.46 (272)	4.46 (272)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	439 (116)	439 (116)	452 (119)	452 (119)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.47 (6.7)	600 (24)/ 0.47 (6.7)	700 (28)/ 0.40 (5.7)	700 (28)/ 0.41 (5.8)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (106)	400 (106)	400 (106)
Hydraulic oil tank		ltr. (U.S.Gal)	135 (36)	135 (36)	132 (35)	132 (35)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18'8")	5700 (18'8")
Arm		mm (ft.in)	2925 (9'7")	2925 (9'7")	2925 (9'7")	2925 (9'7")
Bucket (SAE)		m ³ (cu.yd)	0.80 (1.05)	0.80 (1.05)	0.80 (1.05)	0.80 (1.05)

Item		Model	HB215LC-2	HB215LC-1M0	HB215LC-1M0	HB335LC-1
Source			UK	Japan	China	Japan
Emissions			T4i/S3B	T3e/S3Ae	T3e/S3Ae	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)	22850 (50,380)	21600 (47,620)	21500 (47,400)	34100 (75,180)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 110 (148)/2000 104 (139)/2000	110 (148)/2000 104 (139)/2000	110 (148)/2000 104 (139)/2000	202 (271)/1950 189 (253)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	Max. 1.68 (2.20)	0.80 ~ 1.05 (1.05) (1.37)	1.00 ~ 1.06 (1.31) (1.39)	0.52 ~ 1.80 (0.68) (2.35)
PERFORMANCE:						
Swing speed		RPM	12.4	12.4	12.4	9.5
Max travel speed		Hi Mi Lo	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.1 (2.5) 3.0 (1.9)	5.5 (3.4) 4.5 (2.8) 3.2 (2.0)
DIMENSIONS: See the page of dimensions.						
ENGINE:			KOMATSU	KOMATSU	KOMATSU	KOMATSU
Model			SAA4D107E-2	SAA4D107E-1-A	SAA4D107E-1	SAA6D114E-5
No. of cylinders- bore × stroke		mm (in)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	6-114 × 135 (4.49 × 5.31)
Piston displacement		ltr. (cu.in)	4.46 (272)	4.46 (272)	4.46 (272)	8.27 (505)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump						
Max. oil flow		ltr. (U.S.Gal)/min.	452 (119)	439 (116)	439 (116)	535 (141)
Max. oil pressure		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)	380 (5400)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.41 (5.8)	800 (31.5)/ 0.35 (5.0)	600 (24)/ 0.46 (6.5)	700 (28)/ 0.56 (8.0)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S.Gal)	400 (106)	400 (106)	400 (106)	605 (160)
Hydraulic oil tank		ltr. (U.S.Gal)	132 (35)	135 (36)	135 (36)	188 (49.7)
MACHINE SPEC:						
Boom		mm (ft.in)	5700 (18'8")	5700 (18'8")	5700 (18'8")	6470 (21'3")
Arm		mm (ft.in)	2925 (9'7")	2925 (9'7")	2925 (9'7")	3185 (10'5")
Bucket (SAE)		m ³ (cu.yd)	0.80 (1.05)	0.80 (1.05)	1.00 (1.31)	1.40 (1.83)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg(180lb) and, indicated implement, shoes and upper attachment.

T3/S3A : EPA Tier 3 and Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and Stage 3B

T4F/S4 : EPA Tier 4 Final and Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Model		HB365LC-3	HB365LC-3	HB365NLC-3	HB365LC-1
Source		Japan	UK	UK	Japan
Emissions		T4F/S4	T4F/S4	T4F/S4	T3e/S3Ae
OPERATING WEIGHT*		kg (lb)		36700 (80,910)	36780 (81,090)
HORSEPOWER		kW (HP)/RPM		202 (271)/1950	202 (271)/1950
SAE J1995 Gross		kW (HP)/RPM		202 (271)/1950	202 (271)/1950
ISO9249 /SAE J1349 Net		kW (HP)/RPM		192 (257)/1950	192 (257)/1950
Hyd. fan at max. speed Net		kW (HP)/RPM		187 (251)/1950	189 (253)/1950
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)		1.40 (1.83)	Max. 2.66 (3.48)
PERFORMANCE:		RPM		9.5	9.5
Swing speed		km/h (MPH)		5.5 (3.4)	5.5 (3.4)
Max travel speed		Hi		4.5 (2.8)	4.5 (2.8)
		Mi		3.2 (2.0)	3.2 (2.0)
		Lo			
DIMENSIONS: See the page of dimensions.					
ENGINE:		KOMATSU		KOMATSU	KOMATSU
Model		SAA6D114E-6		SAA6D114E-6	SAA6D114E-5
No. of cylinders-		mm		6-114 × 135	6-114 × 135
bore × stroke		(in)		(4.49 × 5.31)	(4.49 × 5.69)
Piston displacement		ltr. (cu.in)		8.27 (505)	8.85 (540)
HYDRAULIC SYSTEM:		2 × Variable		2 × Variable	2 × Variable
Hydraulic pump		Piston		Piston	Piston
Max. oil flow		ltr. (U.S.Gal)/min.		535 (141)	535 (141)
Max. oil pressure		kg/cm ² (PSI)		390 (5550)	390 (5550)
Track shoe width/		mm (in)/		850 (33.5)/	700 (28)/
ground pressure		kg/cm ² (PSI)		0.49 (7.0)	0.60 (24)/
CAPACITY (Refilled):		ltr. (U.S.Gal)		605 (160)	605 (160)
Fuel tank		ltr. (U.S.Gal)		188 (49.7)	188 (49.7)
Hydraulic oil tank					
MACHINE SPEC:		mm (ft.in)		6500 (21'4")	6500 (21'4")
Boom		mm (ft.in)		3185 (10'5")	3200 (10'6")
Arm		m ³ (cu.yd)		1.40 (1.83)	6500 (21'4")
Bucket (SAE)					3200 (10'6")
					6470 (21'3")
					3185 (10'5")
					1.40 (1.83)

Model		HB365LC-1 (SE spec.)	
Source		Japan	
Emissions		T3e/S3Ae	
OPERATING WEIGHT*		35400 (78,040)	
HORSEPOWER		kg (lb)	
SAE J1995 Gross		35400 (78,040)	
ISO9249 /SAE J1349 Net		202 (271)/1950	
Hyd. fan at max. speed Net		189 (253)/1950	
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	
		1.90 ~ 2.30 (2.49) (3.01)	
PERFORMANCE:		RPM	
Swing speed		9.5	
Max travel speed		km/h (MPH)	
Hi		5.5 (3.4)	
Mi		4.5 (2.8)	
Lo		3.2 (2.0)	
DIMENSIONS: See the page of dimensions.			
ENGINE:		KOMATSU	
Model		SAA6D114E-5	
No. of cylinders-		mm	
bore × stroke		(in)	
		6-114 × 135	
Piston displacement		ltr. (cu.in)	
		8.27 (505)	
HYDRAULIC SYSTEM:		2 × Variable	
Hydraulic pump		Piston	
Max. oil flow		ltr. (U.S.Gal)/min.	
Max. oil pressure		kg/cm ² (PSI)	
		535 (141)	
		380 (5400)	
Track shoe width/		mm (in)/	
ground pressure		kg/cm ² (PSI)	
		600 (24)/	
		0.67 (9.5)	
CAPACITY (Refilled):		ltr. (U.S.Gal)	
Fuel tank		605 (160)	
Hydraulic oil tank		188 (49.7)	
MACHINE SPEC:		mm (ft.in)	
Boom		6000 (19'8")	
Arm		2550 (8'4")	
Bucket (SAE)		m ³ (cu.yd)	
		1.90 (2.49)	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and indicated implement, shoes and upper attachment.

** Fixed gauge

*** Variable gauge

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Note: There may be the difference for indication of figures between the products made in Japan and the products made in other countries.

Specifications

EXCAVATORS (BACKHOE)

Item		Model	PC3000-6 Diesel Tier1	PC3000-6 Diesel Tier2	PC3000E-6 Electric Drive	PC4000-11 Diesel Tier4
Source			Japan	Japan	Japan	Japan
OPERATING WEIGHT*		kg (lb)	252000 (555,700)	252000 (555,700)	254250 (560,500)	404000 (890,700)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	940 (1260)/1800 895 (1200)/1800	940 (1260)/1800 895 (1200)/1800	900 (1206)	1400 (1875)/1800 1324 (1775)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	12.0 ~ 16.5 (15.7) (21.6)	12.0 ~ 16.5 (15.7) (21.6)	12.0 ~ 16.5 (15.7) (21.6)	19.0 ~ 23.0 (25) (30)
PERFORMANCE: Swing speed Max travel speed		RPM km/h (MPH)	4.6 2.4 (1.5)	4.6 2.4 (1.5)	4.6 2.4 (1.5)	4.0 2.1 (1.3)
DIMENSIONS: See the page of dimensions.						
ENGINE: Model No. of cylinders- bore × stroke Piston displacement		mm (in) ltr. (cu.in)	KOMATSU SSA12V159 12-159 × 159 (6.26 × 6.26) 37.5 (2288)	KOMATSU SSA12V159 12-159 × 159 (6.26 × 6.26) 37.5 (2288)	Siemens (6.6 kV) 1LA452	KOMATSU SDA16V160E-3 16-159 × 190 (6.26 × 7.48) 60.2 (3673)
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure		ltr. (U.S.Gal)/min. kg/cm ² (PSI)	3 × Variable Piston 2730 (721) 316 (4495)	3 × Variable Piston 2730 (721) 316 (4495)	3 × Variable Piston 2730 (721) 316 (4495)	4 × Variable Piston 4140 (1094) 316 (4495)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	800 (31.4)/ 2.36 (33.6)	800 (31.4)/ 2.36 (33.6)	800 (31.4)/ 2.38 (33.8)	1200 (47) 2.26 (32.2)
CAPACITY (Refilled): Fuel tank Hydraulic oil tank		ltr. (U.S.Gal) ltr. (U.S.Gal)	4500 (1190) 2900 (765)	4500 (1190) 2900 (765)	— 2900 (765)	6910 (1826) 3900 (1030)
MACHINE SPEC: Boom Arm Bucket (SAE)		mm (ft.in) mm (ft.in) m ³ (cu.yd)	8600 (28'3") 4000 (13'1") 15.0 (19.5)	8600 (28'3") 4000 (13'1") 15.0 (19.5)	8600 (28'3") 4000 (13'1") 15.0 (19.5)	9750 (32'0") 4500 (14'9") 22.0 (29)

Item		Model	PC4000-6 Diesel Tier2	PC4000E-6 Electric Drive	PC5500-6 Diesel Tier2	PC5500E-6 Electric Drive
Source			Japan	Japan	Germany	Germany
OPERATING WEIGHT*		kg (lb)	394000 (868,800)	385850 (850,650)	538000 (1,186,300)	531700 (1,172,200)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	1400 (1874)/1800 1324 (1775)/1800	1350 (1809)	1880 (2520)/1800 1825 (2446)/1800	1800 (2412)
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	19.0 ~ 23.0 (25) (30)	19.0 ~ 23.0 (25) (30)	26.0 ~ 29.0 (34) (38)	26.0 ~ 29.0 (34) (38)
PERFORMANCE: Swing speed Max travel speed		RPM km/h (MPH)	4.0 2.1 (1.3)	4.0 2.1 (1.3)	3.1 2.1 (1.3)	3.1 2.1 (1.3)
DIMENSIONS: See the page of dimensions.						
ENGINE: Model No. of cylinders- bore × stroke Piston displacement		mm (in) ltr. (cu.in)	KOMATSU SDA16V160E-2 16-159 × 190 (6.26 × 7.48) 60.2 (3673)	ABB (6.6 kV) AMA500L4A	KOMATSU 2 × SDA12V159E-2 12-159 × 159 (6.26 × 6.26) 2 × 37.5 (2288)	ABB (6.6 kV) × 2 AHA450L4A
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure		ltr. (U.S.Gal)/min. kg/cm ² (PSI)	4 × Variable Piston 4140 (1094) 316 (4495)	4 × Variable Piston 4140 (1094) 316 (4495)	6 × Variable Piston 4200 (1100) 316 (4495)	6 × Variable Piston 4200 (1100) 316 (4495)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	1200 (47)/ 2.26 (32.2)	1200 (47)/ 2.16 (30.7)	1350 (53)/ 2.42 (34.5)	1350 (53)/ 2.39 (34.0)
CAPACITY (Refilled): Fuel tank Hydraulic oil tank		ltr. (U.S.Gal) ltr. (U.S.Gal)	6910 (1826) 3900 (1030)	— 3900 (1030)	10355 (2736) 3715 (982)	— 3715 (982)
MACHINE SPEC: Boom Arm Bucket (SAE)		mm (ft.in) mm (ft.in) m ³ (cu.yd)	9750 (32'0") 4500 (14'9") 22.0 (29)	9750 (32'0") 4500 (14'9") 22.0 (29)	11000 (36'1") 5100 (16'9") 29.0 (38)	11000 (36'1") 5100 (16'9") 29.0 (38)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

Specifications

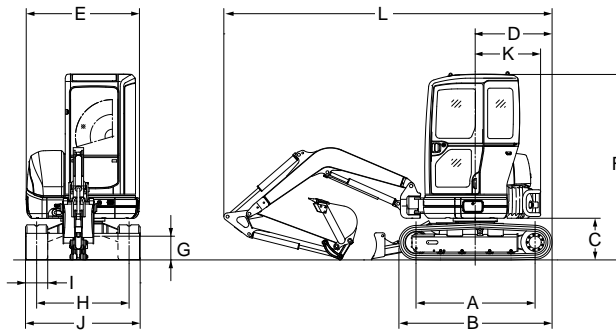
EXCAVATORS (BACKHOE)

Model		PC7000-6 Diesel Tier2	PC7000E-6 Electric Drive	PC8000-6 Diesel Tier2	PC8000E-6 Electric Drive
Source		Germany	Germany	Germany	Germany
OPERATING WEIGHT*	kg (lb)	684000 (1,508,200)	677988 (1,495,000)	759000 (1,673,600)	735800 (1,622,150)
HORSEPOWER	SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 2500 (3350)/1800	kW (HP)/RPM 2400 (3217)	kW (HP)/RPM 3000 (4021)/1800 2882 (3863)/1800	kW (HP)/RPM 2900 (3887)
BUCKET CAPACITY RANGE (SAE)	m ³ (cu.yd)	36.0 (47)	36.0 (47)	42.0 (55)	42.0 (55)
PERFORMANCE:					
Swing speed	RPM	3.1	3.1	2.7	2.7
Max travel speed	Hi Mi Lo km/h (MPH)	2.5 (1.55)	2.5 (1.55)	2.4 (1.5)	2.4 (1.5)
DIMENSIONS: See the page of dimensions.					
ENGINE:					
Model		KOMATSU	Siemens (7.2 kV)	KOMATSU	ABB (6.6kV)
No. of cylinders- bore × stroke	mm (in)	2 × SSDA16V159E-2 16-159 × 159 (6.26 × 6.26)	2 × 1LA4 454 - 4AN90	2 × SDA16V160E-2 16-159 × 190 (6.26 × 7.48)	2 × AMA500L4A
Piston displacement	ltr. (cu.in)	2 × 50 (3051)		2 × 60.2 (3673)	
HYDRAULIC SYSTEM:					
Hydraulic pump		8 x Variable Piston	8 x Variable Piston	8 x Variable Piston	8 x Variable Piston
Max. oil flow	ltr. (U.S.Gal)/min.	6210 (1640)	6210 (1640)	8280 (2188)	8280 (2188)
Max. oil pressure	kg/cm ² (PSI)	316 (4495)	316 (4495)	316 (4495)	316 (4495)
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)	1500 (59) 2.65 (37.7)	1500 (59)	1500 (59)/ 2.80 (39.9)	1500 (59)/ 2.71 (38.6)
CAPACITY (Refilled):					
Fuel tank	ltr. (U.S.Gal)	13033 (1255)	—	13925 (3680)	—
Hydraulic oil tank	ltr. (U.S.Gal)	4750 (1255)	4750 (1255)	7750 (2050)	7750 (2050)
MACHINE SPEC:					
Boom	mm (ft.in)	11000 (36'1")	11000 (36'1")	11500 (37'9")	11500 (37'9")
Arm	mm (ft.in)	5100 (16'9")	5100 (16'9")	5500 (18'0")	5500 (18'0")
Bucket (SAE)	m ³ (cu.yd)	36.0 (47)	36.0 (47)	42.0 (55)	42.0 (55)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

Dimensions

EXCAVATORS (BACKHOE)



FVBH0017

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	L mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC01-1	650 (2'2")	915 (3'0")	290 (11'4")	650 (2'2")	570 (1'10")		100 (3.9")	450 (1'6")	130 (5.1")	580 (1'11")		2100 (6'11")	0.92 (3'0")	0.48 (1'7")
PC09-1	900 (2'11")	1225 (4'0")	350 (1'2")	790 (2'7")	700 (2'4")	2100 (6'11")	180 (7.1")	520 (1'8")	180 (7")	700 (2'4")		2730 (8'11")	1.36 (4'5")	0.684 (2'11")
PC14R-3**	1015 (3'4")	1380 (4'6")	430 (1'5")	—	980 (3'3")	2320 (7'7")	205 (8.1")	770 (2'6")	230 (9")	1000 (3'3")	825 (2'8")	3380 (11'1") 3400 (11'2")	1.62 (5'4")	0.88 (2'11") 1.13 (3'8")
PC16R-3**	1015 (3'4")	1380 (4'6")	430 (1'5")	—	980 (3'3")	2320 (7'7")	205 (8.1")	770 (2'6")	230 (9")	1000 (3'3")	825 (2'8")	3525 (11'7") 3540 (11'7")	1.76 (5'9")	0.965 (3'2") 1.215 (4'0")
PC18MR-3	1212 (4'0")	1555 (5'1")	430 (1'5")	750 (2'6")	980 (3'3")	2410 (7'11")	170 (6.7")	750/ (2'6") 1045 (3'5")	230 (9")	990/ (3'3") 1280 (4'2")	715 (2'4")	3650 (12'0") 3665 (12'0")	1.76 (5'9")	0.965 (3'2") 1.215 (4'0")
PC18MR-3**	1212 (4'0")	1555 (5'1")	430 (1'5")	750 (2'6")	980 (3'3")	2320 (7'7")	170 (6.7")	750/ (2'6") 1070 (3'6")	230 (9")	980/ (3'11") 1300 (4'3")	705 (2'4")	3650 (12'0") 3665 (12'0")	1.76 (5'9")	0.965 (3'2") 1.215 (4'0")
PC20MR-3	1440 (4'9")	1880 (6'2")	530 (1'9")	920 (3'0")	1390 (4'7")	2520 (8'3")	285 (11.2")	1200 (3'11")	250 (10")	1450 (4'9")	805 (2'8")	3750 (12'4") 3855 (12'8")	1.81 (5'11")	0.97 (3'2") 1.32 (4'4")
PC22MR-3**	1440 (4'9")	1880 (6'2")	530 (1'9")	920 (3'0")	1390 (4'7")	2485 (8'2")	285 (11.2")	1200 (3'11")	250 (10")	1450 (4'9")	800 (2'7")	3855 (12'8") 3750 (12'4")	1.81 (5'11")	0.97 (3'2") 1.32 (4'4")
PC26MR-3**	1485 (4'10")	1950 (6'5")	544 (1'9")	955 (3'2")	1390 (4'7")	2497 (8'2")	285 (11.2")	1200 (3'11")	300 (12")	1500 (4'11")	810 (2'8")	4045 (13'3") 4060 (13'4")	2.2 (7'3")	1.115 (3'8") 1.37 (4'6")
PC30MR-5	1650 (5'5")	2105 (6'11")	545 (1'9")	1050 (3'5")	1500 (4'11")	2520 (8'3")	305 (12.0")	1250 (4'1")	300 (12")	1550 (5'1")	790 (2'7")	4560 (15'0")	2.29 (7'6")	1.24 (4'1")
PC30MR-5**	1650 (5'5")	2105 (6'11")	545 (1'9")	1050 (3'5")	1500 (4'11")	2560 (8'5")	305 (12.0")	1250 (4'1")	300 (12")	1550 (5'1")	870 (2'10")	4560 (15'0") 4600 (15'1")	2.29 (7'6")	1.24 (4'1") 1.61 (5'3")
PC30MR-3* PC30MR-3***	1650 (5'5")	2105 (6'11")	545 (1'9")	1050 (3'5")	1485 (4'10")	2520 (8'3")	305 (12.0")	1250 (4'1")	300 (12")	1550 (5'1")	855 (2'10")	4560 (15'0") 4600 (15'1")	2.29 (7'6")	1.24 (4'1") 1.61 (5'3")
PC35MR-5	1650 (5'5")	2105 (6'11")	545 (1'9")	1050 (3'5")	1500 (4'11")	2520 (8'3")	290 (11.4")	1440 (4'9")	300 (12")	1740 (5'9")	950 (3'1")	4825 (15'10")	2.54 (8'4")	1.72 (5'8")
PC35MR-5**	1650 (5'5")	2105 (6'11")	545 (1'9")	1050 (3'5")	1500 (4'11")	2560 (8'5")	290 (11.4")	1440 (4'9")	300 (12")	1740 (5'9")	950 (3'1")	4825 (15'10") 4905 (16'1")	2.54 (8'4")	1.37 (4'5") 1.72 (5'8")
PC35MR-3*	1650 (5'5")	2105 (6'11")	545 (1'9")	1050 (3'5")	1485 (4'10")	2520 (8'3")	290 (11.4")	1440 (4'9")	300 (12")	1740 (5'9")	950 (3'1")	4825 (15'10") 4905 (16'1")	2.54 (8'4")	1.37 (4'5") 1.72 (5'8")
PC45MR-5	2000 (6'7")	2520 (8'3")	610 (2'0")	1265 (4'2")	1835 (6'0")	2590 (8'6")	290 (11.4")	1560 (5'1")	400 (16")	1960 (6'5")	1040 (3'5")	5330 (17'6")	2.64 (8'8")	1.695 (5'7")
PC45MR-5M0	2000 (6'7")	2520 (8'3")	610 (2'0")	1265 (4'2")	1835 (6'0")	2590 (8'6")	290 (11.4")	1560 (5'1")	400 (16")	1960 (6'5")	1040 (3'5")	5220 (17'2") 5300 (17'5")	2.64 (8'8")	1.375 (4'6") 1.77 (5'10")

*: With ROPS & top guard canopy

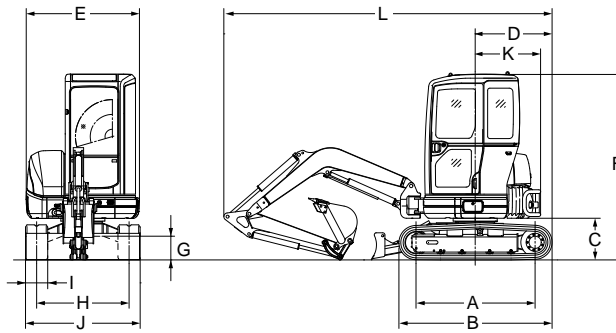
** : Italy source, with ROPS cab

***: Thailand source

*4: Without canopy

Dimensions

EXCAVATORS (BACKHOE)



FVBH0017

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	L mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC45MR-3* PC45MR-3***	2000 (6'7")	2520 (8'3")	608 (2'0")	1265 (4'2")	1835 (6'0")	2550 (8'4")	290 (11.4")	1560 (5'1")	400 (16")	1960 (6'5")	1060 (3'6")	5220 (17'2")	2.64 (8'8")	1.375 (4'6")
												5450 (17'11")		1.77 (5'10")
PC55MR-5	2000 (6'7")	2520 (8'3")	610 (2'0")	1265 (4'2")	1835 (6'0")	2590 (8'6")	290 (11.4")	1560 (5'1")	400 (16")	1960 (6'5")	1120 (3'8")	5550 (18'3")	2.9 (9'6")	1.64 (5'5")
PC55MR-5M0	2000 (6'7")	2520 (8'3")	610 (2'0")	1265 (4'2")	1835 (6'0")	2590 (8'6")	290 (11.4")	1560 (5'1")	400 (16")	1960 (6'5")	1060 (3'6")	5550 (18'3")	2.9 (9'6")	1.64 (5'5")
												5615 (18'5")		2.00 (6'7")
PC55MR-3*	2000 (6'7")	2520 (8'3")	608 (2'0")	1265 (4'2")	1835 (6'0")	2550 (8'4")	290 (11.4")	1560 (5'1")	400 (16")	1960 (6'5")	1060 (3'6")	5550 (18'3")	2.9 (9'6")	1.64 (5'5")
												5615 (18'5")		2.00 (6'7")
PC56-7	1980 (6'6")	2500 (8'2")	615 (2'0")	1255 (4'1")	1850 (6'1")	2550 (8'4")	320 (1'1")	1560 (5'1")	400 (16")	1960 (6'5")	1650 (5'5")	5935 (19'6")	2.9 (9'6")	1.64 (5'5")

*: With ROPS & top guard canopy

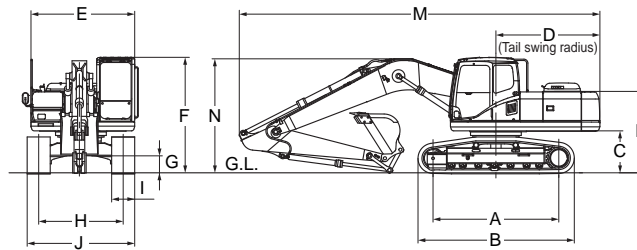
** : Italy source, with ROPS cab

***: Thailand source

*4: Without canopy

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC60-8***	2130 (70")	2765 (9'1")	750 (2'6)	1750 (5'9")	2190 (7'2")	2620 (8'7")	350 (1'4")	1700 (5'7")	450 (18")	2150 (7'1")	1865 (6'1")	6035 (19'10")	2465 (8'1")	3.65 (12'0")	1.55 (5'1")
PC70-8 PC70-8*** PC70-8*5	2130 (70")	2765 (9'1")	750 (2'6)	1750 (5'9")	2190 (7'2")	2640 (8'8")	350 (1'4")	1700 (5'7")	450 (18")	2150 (7'1")	1865 (6'1")	6080 (18'11")	2500 (8'2")	3.71 (12'2")	1.65 (5'5")
PC71-7	2130 (70")	2765 (9'1")	750 (2'6)	1750 (5'9")	2180 (7'2")	2590 (8'6")	350 (1'2")	1700 (5'7")	450 (18")	2150 (7'1")	1810 (5'11")	6080 (19'11")	2500 (8'2")	3.71 (12'2")	1.65 (5'5")
												6105 (20'0")	2830 (9'3")		2.25 (7'5")
PC78US-10	2235 (7'4")	2890 (9'6")	785 (2'7")	1390 (4'7")	2330 (7'8")	2760 (9'1")	410 (1'4")	1870 (6'2")	450 (18")	2320 (7'7")	1885 (6'2")	5770 (18'11")	2540 (8'4")	3.71 (12'2")	1.65 (5'5")
												6270 (20'7")	2945 (9'8")		2.25 (7'5")
PC78US-8	2235 (7'4")	2840 (9'4")	735 (2'5")	1240 (4'1")	2330 (7'8")	2730 (8'11")	360 (1'2")	1870 (6'2")	450 (18")	2320 (7'7")	1835 (6'0")	5770 (18'11")	2555 (8'5")	3.71 (12'2")	1.65 (5'5")
												6295 (20'8")	2870 (9'5")		2.25 (7'5")
PC78UU-8	2235 (7'4")	2840 (9'4")	735 (2'5")	1340 (4'5")	2330 (7'8")	2730 (8'11")	360 (1'2")	1870 (6'2")	450 (18")	2320 (7'7")	1835 (6'0")	6060*20 (18'11")	2325 (8'1")	3.75 (12'4")	1.72 (5'8")
PC80MR-5	2265 (7'5")	2895 (9'6")	770 (2'6")	1395 (4'7")	2230 (7'4")	2725 (8'11")		1800 (5'11")	450 (18")	2250 (7'5")	1805 (5'11")	6060 (19'11")	2210 (7'3")	3.2 (10'6")	1.65 (5'5")
												6260 (20'6")	2620 (8'7")		2.0 (6'7")
PC80MR-3	2240 (7'4")	2878 (9'5")	755 (2'6")	1330 (4'4")	2200 (7'3")	2710 (8'11")	390 (1'3")	1800 (5'11")	450 (18")	2250 (7'5")	1780 (5'8")	6060 (19'11")	2132 (10'3")	3.2 (10'6")	1.65 (5'5")
															2.0 (6'7")
PC88MR-10	2235 (7'4")	2890 (9'6")	785 (2'7")	1485 (4'10")	2330 (7'8")	2760 (9'1")	410 (1'4")	1870 (6'2")	450 (18")	2320 (7'7")	1885 (6'2")	6255 (20'6")	2240 (7'4")	3.4 (11'2")	1.65 (5'5")
												6430 (21'1")	2615 (8'7")		2.1 (6'11")
PC88MR-10*9	2235 (7'4")	2890 (9'6")	785 (2'7")	1485 (4'10")	2330 (7'8")	2760 (9'1")	410 (1'4")	1870 (6'2")	450 (18")	2320 (7'7")	1885 (6'2")	6255 (20'6")	2240 (7'4")	3.4 (11'2")	1.65 (5'5")
												6430 (21'1")	2615 (8'7")		2.1 (6'11")
PC88MR-8	2235 (7'4")	2840 (9'4")	755 (2'6")	1335 (4'5")	2330 (7'8")	2730 (8'11")	360 (1'2")	1870 (6'2")	450 (18")	2320 (7'7")	1855 (6'1")	6175 (20'3")	2240 (7'4")	3.4 (11'2")	1.65 (5'5")
												6350 (20'10")	2615 (8'7")		2.1 (6'11")
PC88MR-8*9	2235 (7'4")	2840 (9'4")	755 (2'6")	1335 (4'5")	2330 (7'8")	2730 (8'11")	360 (1'2")	1870 (6'2")	450 (18")	2320 (7'7")	1835 (6'0")	6175 (20'3")	2240 (7'4")	3.4 (11'2")	1.65 (5'5")
												6350 (20'10")	2615 (8'7")		2.1 (6'11")
PC110-8M0***	2700 (8'10")	2435 (8'0")	855 (2'10")	2190 (7'2")	2500 (9'3")	2815 (9'1")	400 (1'4")	1990 (6'6")	500 (20")	2490 (8'2")	1885 (6'2")	7160 (23'6")	2855 (9'4")	4.26 (14'0")	2.36 (7'9")
PC118MR-8	2420 (7'11")	3150 (10'4")	863 (2'10")	1440 (4'9")	2390 (7'10")	2845 (9'4")	530 (1'9")	1900 (6'3")	500 (20")	2400 (7'10")	1943 (6'4")	6696 (22'0")	2550 (8'4")	3.5 (11'5")	2.0 (6'7")
												6787 (22'3")	2775 (9'1")		2.3 (7'7")
PC130-8 PC130-8*5	2880 (9'5")	3610 (11'10")	895 (2'11")	2190 (7'2")	2500 (8'2")	2855 (9'4")	400 (1'4")	1990 (6'6")	500 (20")	2490 (8'2")	1925 (6'4")	7590 (24'11")	2875 (9'5")	4.6 (15'1")	2.5 (8'2")
												7485 (24'7")	3185 (10'5")		3.0 (9'10")
PC130-8*6	2880 (9'5")	3610 (11'10")	895 (2'11")	2190 (7'2")	2500 (8'2")	2855 (9'4")	400 (1'4")	1990 (6'6")	500 (20")	2490 (8'2")	1925 (6'4")	7590 (24'11")	2875 (9'5")	4.6 (15'1")	2.5 (8'2")
PC130-8M0***	2880 (9'5")	3610 (11'10")	895 (2'11")	2190 (7'2")	2500 (8'2")	2855 (9'4")	400 (1'4")	1990 (6'6")	500 (20")	2490 (8'2")	1925 (6'4")	7600 (24'11")	2720 (8'11")	4.6 (15'1")	2.1 (6'11")
												7590 (24'11")	2885 (9'6")		2.5 (8'2")

*: USA source
 **: UK source
 ***: China source
 *4: India source
 *5: Thailand source
 *6: Brazil source

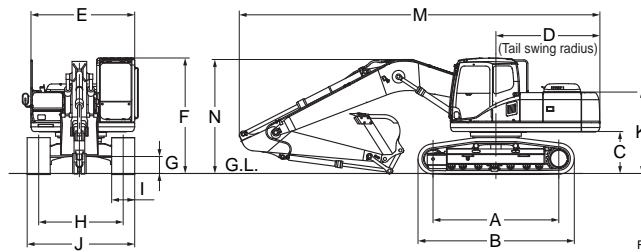
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC130-7**4	2880 (9'5")	3610 (11'10")	855 (2'10")	2190 (7'2")	2490 (8'2")	2810 (9'3")	400 (1'4")	1990 (6'6")	500 (20")	2490 (8'2")	1885 (6'2")	7590 (24'11")	2620 (8'7")	4.6 (15'1")	2.1 (6'10")
												7595 (24'11")	2715 (8'11")		2.5 (8'2")
PC130F-7	2890 (9'6")	3666 (12'0")	1120 (3'8")	2190 (7'2")	2490 (8'2")	3075 (10'1")	600 (2'0")	1960 (6'5")	900 (35.4")	2860 (9'5")	2150 (7'1")	7165 (23'6")	2720 (8'11")	4.26 (14'0")	2.36 (7'9")
												7510 (24'8")	3070 (10'1")		3.0 (9'10")
PC138US-11**9	2880 (9'5")	3610 (11'10")	900 (2'11")	1480 (4'10")	2490 (8'2")	2815 (9'3")	395 (1'4")	1990 (6'6")	500 (20")	2490 (8'2")	2140 (7'0")	7260 (23'10")	2850 (9'4")	4.6 (15'1")	2.5 (8'2")
												7160 (23'6")	3210 (10'6")		3.0 (9'10")
PC138US-8	2880 (9'5")	3610 (11'10")	900 (2'11")	1480 (4'10")	2490 (8'2")	2815 (9'3")	395 (1'4")	1990 (6'6")	500 (20")	2490 (8'2")	1980 (6'6")	7275 (23'10")	2690 (8'10")	4.6 (15'1")	2.1 (6'11")
												7260 (23'10")	2850 (9'4")		2.5 (8'2")
												7160 (23'6")	3210 (10'6")		3.0 (9'10")
PC138USLC-11**10	3140 (10'4")	3870 (12'7")	900 (2'11")	1545 (5'1")	2490 (8'2")	2815 (9'3")	395 (1'4")	1990 (6'6")	600 (24")	2590 (8'6")	2140 (7'0")	7385 (24'3")	2850 (9'4")	4.6 (15'1")	2.5 (8'2")
												7285 (23'11")	3210 (10'6")		3.0 (9'10")
PC138USLC-10	3140 (10'4")	3870 (12'7")	900 (2'11")	1545 (5'1")	2490 (8'2")	2815 (9'3")	395 (1'4")	1990 (6'6")	600 (24")	2590 (8'6")	2140 (7'0")	7385 (24'3")	2850 (9'4")	4.6 (15'1")	2.5 (8'2")
												7285 (23'11")	3210 (10'6")		3.0 (9'10")
PC160LC-8 PC160LC-8**5	3170 (10'5")	3965 (13'0")	1055 (3'6")	2435 (8'0")	2490 (8'2")	3030*18 (9'11")	440 (1'5")	1990 (6'6")	500 (20")	2490 (8'2")	2065 (6'9")	8565 (28'1")	3015*18 (9'11")	5.15 (16'11")	2.25 (7'5")
												8565 (28'1")	3025*18 (9'11")		2.61 (8'7")
												8565 (28'1")	3125*18 (10'3")		2.9 (9'6")
PC160LC-8**	3170 (10'5")	3965 (13'0")	1055 (3'6")	2435 (8'0")	2490 (8'2")	2970 (9'9")	440 (1'5")	1990 (6'6")	500 (20")	2490 (8'2")	2090 (6'10")	8565 (28'1")	2990 (9'10")	5.15 (16'11")	2.25 (7'5")
												8565 (28'1")	3000 (9'10")		2.6 (8'6")
												8565 (28'1")	3100 (10'2")		2.9 (9'6")
PC160LC-8***	3170 (10'5")	3965 (13'0")	1055 (3'6")	2435 (8'0")	2490 (8'2")	3015 (9'11")	440 (1'5")	1990 (6'6")	700 (28")	2690 (8'10")	2065 (6'9")	8565 (28'1")	3000 (9'11")	5.15 (16'11")	2.61 (8'6")
												8690 (28'6")	3040 (9'11")		2.61 (8'6")
PC170LC-11	3170 (10'5")	3965 (13'0")	1055 (3'6")	2545 (8'4")	2590 (8'6")	3020 (9'11")	440 (1'5")	1990 (6'6")	600 (24")	2590 (8'6")	2710*12 (8'10")	8690 (28'6")	3040 (9'11")	5.15 (16'11")	2.61 (8'6")
												8690 (28'6")	3140 (10'4")		2.9 (9'6")
PC170LC-11**9	3170 (10'5")	3965 (13'0")	1055 (3'6")	2545 (8'4")	2490 (8'2")	3035 (9'11")	440 (1'5")	1990 (6'6")	500 (20")	2490 (8'2")	2710*12 (8'10")	8690 (28'6")	3030 (9'11")	5.15 (16'11")	2.25 (7'5")
												8690 (28'6")	3040 (10'0")		2.6 (8'6")
												8690 (28'6")	3140 (10'4")		2.9 (9'6")
PC170LC-10	3170 (10'5")	3965 (13'0")	1055 (3'6")	2500 (8'2")	2490 (8'2")	3035 (9'11")	440 (1'5")	1990 (6'6")	500 (20")	2490 (8'2")	2515*12 (8'3")	8645 (28'4")	3030 (9'11")	5.15 (16'11")	2.25 (7'5")
												8645 (28'4")	3040 (10'0")		2.61 (8'6")
												8645 (28'4")	3140 (10'4")		2.9 (9'6")
PC170LC-10**	3170 (10'5")	3965 (13'0")	1055 (3'6")	2500 (8'2")	2490 (8'2")	3035 (9'11")	440 (1'5")	1990 (6'6")	500 (20")	2490 (8'2")	2515*12 (8'3")	8645 (28'4")	3030 (9'11")	5.15 (16'11")	2.25 (7'5")
												8645 (28'4")	3040 (10'0")		2.6 (8'6")
												8645 (28'4")	3140 (10'4")		2.9 (9'6")

*: USA source
 **: UK source
 ***: China source
 *4: India source
 *5: Thailand source
 *6: Brazil source

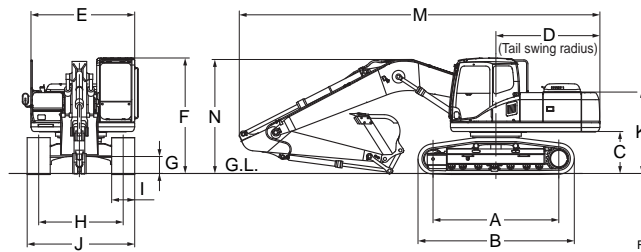
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC195LC-8	3275 (10'9")	4070 (13'4")	1055 (3'6")	2435 (8'0")	2490 (8'2")	3030 (9'11")	440 (1'5")	2200 (7'3")	800 (31.5")	3000 (9'10")	2065 (6'9")	8570 (28'1")	3150 (10'4")	5.15 (16'11")	2.9 (9'6")
PC200-8 PC200-8M0 PC200-8M0*7 PC200-8M0*5	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9480 (31'1") 2985 (9'10")	2985 (9'10") 3190 (10'6")	5.7 (18'8")	1.84 (6'0") 2.41 (7'11")
PC200-8M0*6	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2200 (7'3")	700 (28")	2900 (9'6")	2095 (6'10")	9495 (31'2") 9425 (30'11")	3190 (10'6") 2970 (9'9")	5.7 (18'8")	2.41 (7'11") 2.925 (9'7")
PC200-8M0***	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9495 (31'2") 9425 (30'11")	3190 (10'6") 2970 (9'9")	5.7 (18'8")	2.41 (7'11") 2.925 (9'7")
PC200-8M0*8	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	3000 (9'6")	2095 (6'10")	9425 (30'11")	2970 (9'9")	5.7 (18'8")	2.925 (9'7")
PC200F-8M0	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	3150 (10'4")	3155 (10'4")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9445 (30'10") 9425 (30'11")	2970 (9'9") 2970 (9'9")	5.7 (18'8")	2.41 (7'11") 2.925 (9'7")
PC200LC-8 PC200LC-8M0 PC200LC-8M0*7 PC200LC-8M0*5	3655 (12'0")	4450 (14'7")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2095 (6'10")	9480 (31'1") 9495 (31'2")	2985 (9'10") 3190 (10'6")	5.7 (18'8")	1.84 (6'0") 2.41 (7'11")
PC200LC-8M0***	3655 (12'0")	4450 (14'7")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (31'2")	2095 (6'10")	9495 (31'2") 9425 (30'11")	3190 (10'6") 2970 (9'9")	5.7 (18'8")	2.41 (7'11") 2.925 (9'7")
PC200LC-8M0*6	3655 (12'0")	4450 (14'7")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2380 (7'10")	700 (28") 800 (31.5")	3080 (10'1") 3180 (10'5")	2095 (6'10")	9425 (30'11") 8990 (59'6")	2970 (9'9") 3085 (10'1")	5.7 (18'8")	2.925 (9'7") 2.41 (7'11")
PC210-11**	3275 (10'9")	4070 (13'4")	1085 (3'7")	3020 (9'11")	2705 (8'10")	3045 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2250 (7'5")	9775 (32'1") 9705 (31'10")	3280 (10'9") 3135 (10'3")	5.7 (18'8")	2.4 (7'10") 2.9 (9'6")
PC210-10M0	3275 (10'9")	4070 (13'4")	1085 (3'7")	2900 (9'0")	2710 (8'11")	3045 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9630 (32'7") 9640 (31'8")	2975 (9'9") 3215 (10'7")	5.7 (18'8")	1.84 (6'0") 2.41 (7'11")
PC210-8M0***	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9495 (31'2") 9425 (30'11")	3190 (10'6") 2970 (9'9")	5.7 (18'8")	2.41 (7'11") 2.925 (9'7")
PC210-8M0*4	3275 (10'9")	4070 (13'4")	1085 (3'7")	2795 (9'2")	2710 (8'11")	3035 (9'11")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9495 (31'2") 9425 (30'11")	3190 (10'6") 2970 (9'9")	5.7 (18'8")	2.41 (7'11") 2.925 (9'7")
PC210LC-11 PC210LC-11*	3655 (12'0")	4450 (14'7")	1085 (3'7")	3020 (9'11")	2850 (9'4")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2250 (7'5")	9705 (31'10")	2995 (9'10")	5.7 (18'8")	2.9 (9'6")

*: USA source

** : UK source

***: China source

*4: India source

*5: Thailand source

*6: Brazil source

*7: Russia source

*8: Indonesia source

*9: Italy source

*10: for USA

*11: for Russia

*12: Top of engine cover

*13: When retracted

*14: When expanded

*15: Top of exhaust pipe

*16: with OPG top guard

*17: Include step

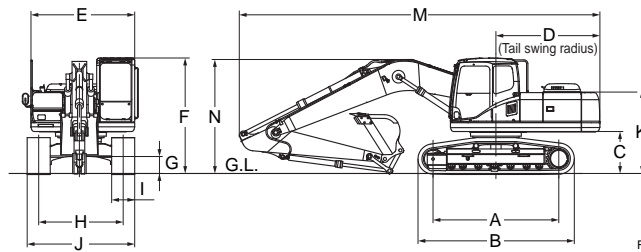
*18: Include catwalk

*19: Top of hose

*20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC210LC-11**	3655 (12'0")	4450 (14'7")	1085 (3'7")	3020 (9'11")	2705 (8'10")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2250 (7'5")	9775 (32'1")	3280 (10'9")	5.7 (18'8")	2.4 (7'10")
												9705 (31'10")	3135 (10'3")		2.9 (9'6")
PC210NLC-11**	3655 (12'0")	4450 (14'7")	1105 (3'8")	2880 (9'5")	2540 (8'4")	3065 (10'1")	440 (1'5")	2040 (6'8")	500 (20")	2540 (8'4")	2270 (7'5")	9645 (31'8")	3190 (10'6")	5.7 (18'8")	2.4 (7'10")
												9705 (31'10")	3155 (10'4")		2.9 (9'6")
PC210LC-10	3655 (12'0")	4450 (14'7")	1085 (3'7")	2940 (9'8")	2850 (9'4")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2605*12 (6'10")	9695 (31'10")	3216 (10'7")	5.7 (18'8")	2.41 (7'11")
												9625 (31'7")	2996 (9'10")		2.925 (9'7")
PC210LC-10M0	3655 (12'0")	4450 (14'7")	1085 (3'7")	2900 (9'6")	2710 (8'11")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2095 (6'10")	9630 (32'7")	2975 (9'9")	5.7 (18'8")	1.84 (6'0")
												9640 (31'8")	3215 (10'7")		2.41 (7'11")
												9550 (31'4")	3005 (9'10")		2.925 (9'7")
PC210NLC-8*7	3655 (12'0")	4450 (14'7")	1085 (3'7")	2800 (9'2")	2500 (8'2")	3035 (9'11")	440 (1'5")	2040 (6'8")	500 (20")	2540 (8'4")	2110 (6'11")	9540 (31'4")	2985 (9'10")	5.7 (18'8")	1.8 (5'11")
												9555 (31'4")	3190 (10'6")		2.4 (7'10")
												9485 (31'1")	2970 (9'9")		2.9 (9'6")
PC210LC-8M0***	3655 (12'0")	4450 (14'7")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2095 (6'10")	9495 (31'2")	3190 (10'6")	5.7 (18'8")	2.41 (7'11")
												9425 (30'11")	2970 (9'9")		2.925 (9'7")
PC210LC-8M0*4	3655 (12'0")	4450 (14'7")	1085 (3'7")	2795 (9'2")	2710 (8'11")	3035 (9'11")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2095 (6'10")	9495 (31'2")	3190 (10'6")	5.7 (18'8")	2.41 (7'11")
												9425 (30'11")	2970 (9'9")		2.925 (9'7")
PC220-8 PC220-8M0 PC220-8M0*7	3460 (11'4")	4260 (14'0")	1100 (3'7")	2940 (9'8")	2710 (8'11")	3055 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2110 (6'11")	9865 (32'4")	3220 (10'7")	5.8 (19'2")	2.00 (6'7")
												9960 (32'8")	3295 (10'10")		2.50 (8'2")
												9885 (32'5")	3185 (10'5")		3.05 (10'0")
PC220-8M0***	3480 (11'4")	4260 (14'0")	1100 (3'7")	2940 (9'8")	2710 (8'11")	3055 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2110 (6'11")	9960 (32'8")	3295 (10'10")	5.8 (19'2")	2.5 (8'2")
												9885 (32'5")	3185 (10'5")		3.05 (10'0")
PC220LC-8 PC220LC-8M0 PC220LC-8M0*7	3845 (12'7")	4640 (15'3")	1100 (3'7")	2940 (9'8")	2710 (8'11")	3055 (10'0")	440 (1'5")	2580 (8'6")	700 (28")	3280 (10'9")	2110 (6'11")	9865 (32'4")	3220 (10'7")	5.8 (19'2")	2.0 (6'7")
												9960 (32'8")	3295 (10'10")		2.5 (8'2")
												9885 (32'5")	3185 (10'5")		3.05 (10'0")
PC228US-8	3275 (10'9")	4070 (13'4")	1060 (3'6")	1680 (5'6")	2980 (9'9")	3050 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2285 (7'6")	8700 (28'7")	2980 (9'9")	5.7 (18'8")	2.925 (9'7")
												8980 (29'6")	3165 (10'5")		2.4 (7'10")
PC228USLC-11	3655 (12'0")	4450 (14'7")	1075 (3'6")	1785 (5'10")	2980 (9'9")	3065 (10'1")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2915*12 (9'7")	8920 (29'3")	3040 (10'0")	5.7 (18'8")	2.925 (9'7")
												8920 (29'3")	3040 (10'0")		2.925 (9'7")
PC228USLC-10	3655 (12'0")	4450 (14'7")	1075 (3'6")	1810 (5'11")	2980 (9'9")	3065 (10'1")	440 (1'5")	2380 (7'10")	800 (31.5")	3180 (10'5")	2675*12 (8'9")	8920 (29'3")	3040 (10'0")	5.7 (18'8")	2.925 (9'7")
												8920 (29'3")	3040 (10'0")		2.925 (9'7")
PC228USLC-8	3655 (12'0")	4450 (14'7")	1060 (3'6")	1680 (5'6")	2980 (9'9")	3050 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2285 (7'6")	8890 (29'2")	2980 (9'9")	5.7 (18'8")	2.925 (9'7")
												8890 (29'2")	2980 (9'9")		2.925 (9'7")
PC230NHD-11 (Mono boom)	3410 (11'2")	4305 (14'1")	1125 (3'8")	2880 (9'5")	2540 (8'4")	3105 (10'2")	465 (1'6")	1990 (6'6")	550 (21.7")	2540 (8'4")	2295 (7'6")	9630 (31'7")	3190 (10'6")	5.7 (18'8")	2.4 (7'10")
												9690 (31'10")	3180 (10'5")		2.9 (9'7")

*: USA source
 **: UK source
 ***: China source
 *4: India source
 *5: Thailand source
 *6: Brazil source

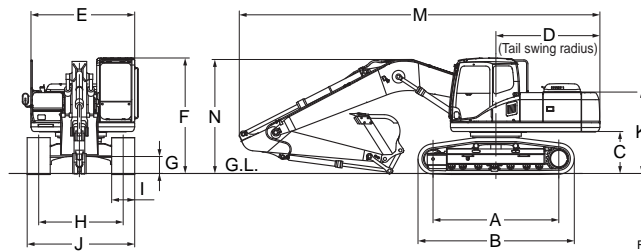
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC230NHD-11 (Two-piece boom)	3410 (11'2")	4305 (14'1")	1125 (3'8")	2880 (9'5")	2540 (8'4")	3105 (10'2")	465 (1'6")	1990 (6'6")	550 (21.7")	2540 (8'4")	2295 (7'6")	9495 (31'2")	3215 (10'7")		2.4 (7'10")
												9600 (31'6")	3160 (10'4")		2.9 (9'7")
PC238USLC-11	3655 (12'0")	4450 (14'7")	1075 (3'6")	1810 (5'11")	2980 (9'9")	3065 (10'1")	440 (1'5")	2380 (7'10")	800 (31.5")	3180 (10'5")	2915*12 (9'7")	8920 (29'3")	2970 (9'9")	5.85 (19'8")	2.925 (9'7")
PC240LC-11 PC240LC-11*	3845 (12'7")	4640 (15'3")	1100 (3'7")	3020 (9'11")	2850 (9'4")	3055 (10'0")	440 (1'5")	2580 (8'6")	700 (28")	3280 (10'9")	2265 (7'5")	9965 (32'8")	3185 (10'5")	5.85 (19'8")	3.045 (10'0")
												9990 (32'9")	3270 (10'9")		3.5 (11'6")
PC240LC-11**	3845 (12'7")	4640 (15'3")	1100 (3'7")	3020 (9'11")	2705 (8'10")	3055 (10'0")	440 (1'5")	2580 (8'6")	700 (28")	3280 (10'9")	2265 (7'5")	9945 (32'8")	3220 (10'7")	5.85 (19'8")	2.0 (6'7")
												10040 (32'11")	3295 (10'10")		2.5 (8'2")
												9965 (32'8")	3185 (10'5")		3.0 (10'0")
												10010 (32'10")	3270 (10'9")		3.5 (11'6")
PC240NLC-11**	3845 (12'7")	4450 (14'7")	1100 (3'7")	3020 (9'11")	2705 (8'10")	3055 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2265 (7'5")	9945 (32'8")	3220 (10'7")	5.85 (19'8")	2.0 (6'7")
												10040 (32'11")	3295 (10'10")		2.5 (8'2")
												9965 (32'8")	3185 (10'5")		3.0 (10'0")
												10010 (32'10")	3270 (10'9")		3.5 (11'6")
PC240LC-10	3845 (12'7")	4640 (15'3")	1100 (3'7")	2940 (9'8")	2850 (9'4")	3055 (10'0")	440 (1'5")	2580 (8'6")	700 (28")	3280 (10'9")	2265 (7'5")	9865 (32'4")	3220 (10'7")	5.85 (19'8")	2.0 (6'7")
												9960 (32'8")	3295 (10'10")		2.5 (8'2")
												9885 (32'5")	3185 (10'5")		3.045 (10'0")
PC240LC-8M0***	3845 (12'7")	4640 (15'3")	1100 (3'7")	2940 (9'8")	2710 (8'11")	3055 (10'0")	440 (1'5")	2580 (8'6")	600 (24")	3180 (10'5")	2110 (6'11")	9960 (32'8")	3295 (10'10")	5.85 (19'8")	2.5 (8'2")
												9885 (32'5")	3185 (10'5")		3.05 (10'0")
PC240LC-8*6	3845 (12'7")	4640 (15'3")	1100 (3'7")	2940 (9'8")	2710 (8'11")	3055 (10'0")	440 (1'5")	2580 (8'6")	600 (24")	3180 (10'5")	2110 (6'11")	9865 (32'4")	3220 (10'7")	5.8 (19'2")	2.00 (6'7")
												9960 (32'8")	3295 (10'10")		2.5 (8'2")
												9885 (32'5")	3185 (10'5")		3.0 (10'0")
PC270-8	3700 (12'2")	4625 (15'2")	1215 (4'0")	2940 (9'8")	2710 (8'11")	3175 (10'5")	498 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2225 (7'4")	9940 (32'7")	3310 (10'10")	5.9 (19'2")	2.50 (8'2")
												9860 (32'4")	3200 (10'6")		3.05 (10'0")
												9890 (32'5")	3280 (10'9")		3.5 (11'6")
PC270-8***	3700 (12'2")	4625 (15'2")	1215 (4'0")	2940 (9'8")	2850 (9'4")	3175 (10'5")	495 (1'7")	2590 (8'6")	600 (24")	3190 (10'6")	2225 (7'4")	9940 (32'7")	3310 (10'10")	5.85 (19'8")	2.5 (8'2")
												9860 (32'4")	3200 (10'6")		3.05 (10'0")
PC270LC-8	3845 (12'7")	4640 (15'3")	1100 (3'7")	2940 (9'8")	2710 (8'11")	3055 (10'0")	440 (1'5")	2580 (8'6")	600 (24")	3180 (10'5")	2110 (6'11")	9865 (32'4")	3220 (10'7")	5.8 (19'2")	2.00 (6'7")
												9960 (32'8")	3295 (10'10")		2.5 (8'2")
												9885 (32'5")	3185 (10'5")		3.0 (10'0")
PC290LC-11 PC290LC-11*	4030 (13'3")	4955 (16'3")	1215 (4'0")	3020 (9'11")	2850 (9'4")	3180 (10'5")	495 (1'7")	2590 (8'6")	800 (31.5")	3390 (11'1")	2380 (7'10")	10265 (33'8")	3295 (10'10")	6.15 (20'2")	3.2 (10'6")
												10275 (33'7")	3375 (11'1")		3.5 (11'6")

*: USA source
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 ***: China source
 *4: India source
 *5: Thailand source
 *6: Brazil source

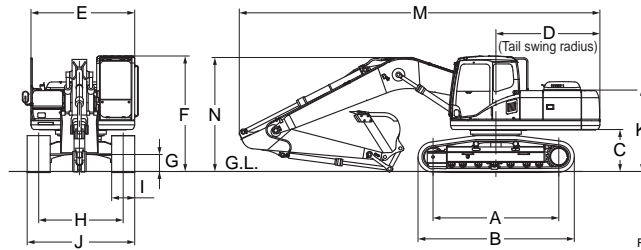
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC290LC-11**	4030 (13'3")	4955 (16'3")	1215 (4'0")	3020 (9'11")	2850 (9'4")	3180 (10'5")	495 (1'7")	2590 (8'6")	700 (28")	3290 (10'10")	2380 (7'10")	10160 (33'4")	3160 (11'0")	6.15 (20'2")	2.0 (6'7")
												10320 (33'10")	3425 (11'3")		2.65 (8'8")
												10265 (33'8")	3340 (11'0")		3.2 (10'6")
												10275 (33'9")	3375 (11'1")		3.5 (11'6")
PC290NLC-11**	4030 (13'3")	4955 (16'3")	1215 (4'0")	3020 (9'11")	2850 (9'4")	3180 (10'5")	495 (1'7")	2390 (7'10")	600 (24")	2990 (10'10")	2380 (7'10")	10160 (33'4")	3160 (11'0")	6.15 (20'2")	2.0 (6'7")
												10320 (33'10")	3425 (11'3")		2.65 (8'8")
												10265 (33'8")	3340 (11'0")		3.2 (10'6")
												10275 (33'9")	3375 (11'1")		3.5 (11'6")
PC290LC-10	4030 (13'3")	4955 (16'3")	1215 (4'0")	2940 (9'8")	2850 (9'4")	3180 (10'5")	498 (1'8")	2590 (8'6")	800 (31.5")	3390 (11'1")	2380 (7'10")	9940 (32'7")	3310 (10'10")	5.85 (19'2")	2.5 (8'2")
												9860 (32'4")	3205 (10'6")		3.045 (10'0")
												9890 (32'5")	3280 (10'9")		3.5 (11'6")
PC290LC-8	4030 (13'3")	4955 (16'3")	1215 (4'0")	2940 (9'8")	2710 (8'11")	3175 (10'5")	498 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2225 (7'4")	9940 (32'7")	3310 (10'10")	5.85 (19'2")	2.5 (8'2")
												9860 (32'4")	3200 (10'6")		3.045 (10'0")
												9890 (32'5")	3280 (10'9")		3.5 (11'6")
PC300-8 PC300-8M0 PC300-8M0*5 PC300-8M0*7 PC300-8M0**	3700 (12'2")	4625 (15'2")	1185 (3'11")	3450 (11'4")	3090 (10'2")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	11300 (37'1")	3480 (11'5")	6.47 (21'3")	2.22 (7'3")
												11180 (36'8")	3450 (11'4")		2.55 (8'4")
												11150 (36'7")	3285 (10'9")		3.185 (10'5")
												11170 (36'8")	3760 (12'4")		4.02 (13'2")
PC300-8M0***	3700 (12'2")	4625 (15'2")	1185 (3'11")	3450 (11'4")	3090 (10'2")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	11180 (36'8")	3450 (11'4")	6.47 (21'3")	2.535 (8'4")
												11150 (36'7")	3285 (10'9")		3.18 (10'5")
PC300-8M0*8 (SE spec.)	3700 (12'2")	4625 (15'2")	1185 (3'11")	3450 (11'4")	3090 (10'2")	3145 (10'4")	500 (1'8")	2590 (8'6")	800 (31.5")	3390 (11'1")	2585*12 (8'6")	10710 (35'2")	3505 (11'6")	6.0 (19'8")	2.6 (8'6")
															3.18 (10'5")
PC300LC-8 PC300LC-8M0 PC300LC-8M0** PC300LC-8M0*7	4030 (13'3")	4955 (16'3")	1185 (3'11")	3450 (11'4")	3090 (10'2")	3145 (10'4")	500 (1'8")	2590 (8'6")	700 (28")	3290 (10'10")	2585*12 (8'6")	11300 (37'1")	3480 (11'5")	6.47 (21'3")	2.22 (7'3")
												11180 (36'8")	3450 (11'4")		2.55 (8'4")
												11140 (36'7")	3285 (10'9")		3.185 (10'5")
												11170 (36'8")	3760 (12'4")		4.02 (13'2")
PC300LC-7*4	4030 (13'3")	4955 (16'3")	1185 (3'11")	3450 (11'4")	2995 (9'10")	3130 (10'3")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	11290 (37'1")	3400 (11'2")	6.47 (21'3")	2.22 (7'3")
												11140 (36'7")	3280 (10'9")		3.185 (10'5")
PC308USLC-3E0	4030 (13'3")	4955 (16'3")	1185 (3'11")	1830 (6'0")	3080 (10'1")	3140 (10'4")	498 (1'8")	2740 (8'11")	850 (33.5")	3590 (11'9")	2545 (8'4")	9545 (31'4")	3210 (10'6")	5.85 (19'2")	3045 (10'0")
												9570 (31'4")	3285 (10'9")		3.5 (11'6")
												9500 (31'2")	3800 (12'6")		4.2 (13'9")

*: USA source
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 *6: Brazil source

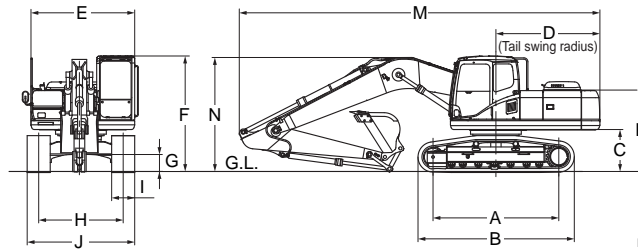
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC350-8	3700 (122")	4625 (15'2")	1185 (3'11")	3450 (11'4")	3165 (10'5")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	11140 (36'7")	3285 (10'9")	6.5 (21'3")	3.185 (10'5")
PC350-8M0 PC350-8M0** PC350-8M0*5	3700 (122")	4625 (15'2")	1185 (3'11")	3450 (11'4")	3165 (10'5")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	11140 (36'7")	3285 (10'9")	6.47 (21'3")	3.185 (10'5")
PC350-8M0 (SE spec.) PC350-8M0** (SE spec.) PC350-8M0*5 (SE spec.)	3700 (122")	4625 (15'2")	1185 (3'11")	3450 (11'4")	3165 (10'5")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	10835 (35'7") 10710 (35'2")	3710 (12'2") 3505 (11'6")	6.0 (19'8")	2.2 (7'3") 2.55 (8'4")
PC350LC-8	4030 (13'3")	4955 (16'3")	1186 (3'11")	3450 (11'4")	2995 (9'10")	3100 (10'2")	498 (1'8")	2590 (8'6")	700 (28")	3290 (10'10")	2580*12 (8'6")	11290 (37'1")	3400 (11'2")	6.5 (21'3")	2.2 (7'3")
												11180 (36'8")	3410 (11'2")		2.6 (8'6")
												11140 (36'7")	3280 (10'9")		3.2 (10'6")
												11170 (36'8")	3760 (12'4")		4.0 (13'1")
PC350LC-8M0 PC350LC-8M0**	4030 (13'3")	4955 (16'3")	1185 (3'11")	3450 (11'4")	3165 (10'5")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	11150 (36'7")	3285 (10'9")	6.47 (21'3")	3.185 (10'5")
PC350LC-8M0 (SE spec.) PC350LC-8M0** (SE spec.)	4030 (13'3")	4955 (16'3")	1185 (3'11")	3450 (11'4")	3165 (10'5")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	10835 (35'7") 10710 (35'2")	3710 (12'2") 3505 (11'6")	6.0 (19'8")	2.2 (7'3") 2.55 (8'4")
PC350LC-8*6	4030 (13'3")	4955 (16'3")	1185 (3'11")	3450 (11'4")	3165 (10'5")	3130 (10'3")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585*12 (8'6")	11310 (37'1")	3480 (11'5")	6.47 (21'3")	2.22 (7'3")
												11190 (36'9")	3295 (10'10")		2.55 (8'4")
												11150 (36'7")	3285 (10'9")		3.185 (10'5")
												11180 (36'8")	3760 (12'4")		4.02 (13'2")
PC350LC-7*4	4030 (13'3")	4955 (16'3")	1185 (3'11")	3555 (11'8")	2995 (9'10")	3130 (10'3")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")		11245 (36'11")	3280 (10'9")	6.47 (21'3")	3.185 (10'5")
PC360LC-11 PC360LC-11*	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	3145 (10'4")	3160 (10'4")	498 (1'8")	2590 (8'6")	850 (33.5")	3440 (11'3")	3135*12 (10'3")	11180 (36'8")	3410 (11'2")	6.5 (21'3")	2.54 (8'4")
												11145 (36'7")	3285 (10'9")		3.185 (10'5")
												11170 (36'8")	3760 (12'4")		4.02 (13'2")
PC360LC-11**	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	2995 (9'10")	3160 (10'4")	498 (1'8")	2590 (8'6")	700 (28")	3290 (10'10")	2350 (7'9")	11290 (37'1")	3400 (11'2")	6.5 (21'3")	2.2 (7'3")
												11180 (36'8")	3410 (11'2")		2.6 (8'6")
												11145 (36'7")	3285 (10'9")		3.2 (10'6")
												11170 (36'8")	3760 (12'4")		4.0 (13'1")
PC360NLC-11**	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	2995 (9'10")	3160 (10'4")	498 (1'8")	2390 (7'10")	600 (24")	2990 (9'10")	2350 (7'9")	11290 (37'1")	3400 (11'2")	6.5 (21'3")	2.2 (7'3")
												11180 (36'8")	3410 (11'2")		2.6 (8'6")
												11145 (36'7")	3285 (10'9")		3.2 (10'6")
												11170 (36'8")	3760 (12'4")		4.0 (13'1")

*: USA source
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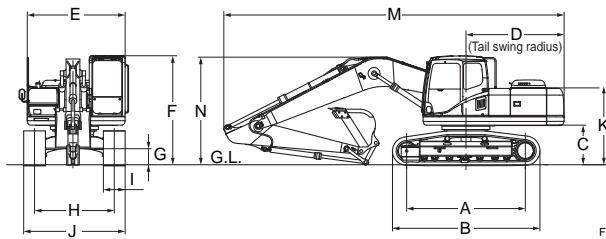
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC360LC-10	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	3145 (10'4")	3160 (10'4")	498 (1'8")	2590 (8'6")	850 (33.5")	3440 (11'3")	2750 ^{*12} (9'0")	11145 (36'7")	3285 (10'9")	6.5 (21'3")	3.2 (10'6")
PC360-8M0 ^{***}	3700 (12'2")	4625 (15'2")	1185 (3'11")	3450 (11'4")	3145 (10'4")	3145 (10'4")	500 (1'8")	2590 (8'6")	600 (24")	3190 (10'6")	2585 ^{*12} (8'6")	11150 (36'7")	3285 (10'9")	6.47 (21'3")	3.18 (10'5")
PC390LC-11 [*]	4350 (14'3")	5357 (17'7")	1320 (4'4")	3445 (11'4")	3145 (10'4")	3262 (10'8")	551 (1'10")	2740 (9'0")	900 (35.5")	3640 (11'11")	3135 ^{*12} (10'3")	11170 (36'8")	3420 (11'3")	6.5 (21'3")	3.185 (10'5")
												11230 (36'10")	3690 (12'1")		4.02 (13'2")
PC390LC-8M0	4350 (14'3")	5385 (17'8")	1320 (4'4")	3450 (11'4")	3145 (10'4")	3220 (10'7")	555 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2720 ^{*12} (9'5")	10825 (35'6")	3660 (12'0")	6.5 (21'3")	2.22 (7'3")
												10680 (35'0")	3500 (11'6")		2.55 (8'4")
PC400-8 PC400-8R	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (12'0")	3090 (10'2")	3285 (10'9")	555 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2885 ^{*12} (9'6")	11905 (39'1")	3850 (12'8")	7.1 (23'2")	2.4 (7'10")
												11995 (39'4")	3745 (12'3")		2.9 (9'6")
												11940 (39'2")	3635 (11'11")		3.38 (11'1")
												11950 (39'2")	3885 (12'9")		4.0 (13'1")
PC400-8R ^{*8} (SE spec.)	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (12'0")	3090 (10'2")	3285 (10'9")	555 (1'10")	2740 (9'0")	800 (31.5")	3540 (11'7")	2920 ^{*12} (9'7")	11875 (39'0")	3850 (12'8")	6.7 (22'0")	2.4 (7'10")
												11940 (39'0")	3850 (12'8")	7.06 (23'2")	
PC400-7 PC400-7 ^{*7}	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (12'0")	2995 (9'10")	3265 (10'9")	555 (1'10")	2740 (9')	600 (24")	3340 (11')	2715 ^{*12} (8'11")	11905 (39'1")	3850 (12'8")	7.06 (23'2")	2.4 (7'10")
												11995 (39'4")	3745 (12'3")		2.9 (9'6")
												11940 (39'2")	3635 (12'0")		3.38 (11'1")
												11950 (39'2")	3885 (12'9")		4.0 (13'1")
PC400LC-8 PC400LC-8R	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (12'0")	3090 (10'2")	3285 (10'9")	550 (1'10")	2740 (9'0")	700 (28")	3440 (11'3")	2920 ^{*12} (9'7")	11905 (39'1")	3850 (12'8")	7.1 (23'2")	2.4 (7'10")
												11995 (39'4")	3745 (12'3")		2.9 (9'6")
												11940 (39'2")	3635 (11'11")		3.38 (11'1")
												11950 (39'2")	3885 (12'9")		4.0 (13'1")
PC400LC-8R ^{*8} (SE spec.)	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (12'0")	3090 (10'2")	3285 (10'9")	555 (1'10")	2740 (9'0")	800 (31.5")	3540 (11'7")	2920 ^{*12} (9'7")	11875 (39'0")	3850 (12'8")	6.7 (22'0")	2.4 (7'10")
												11940 (39'2")	3850 (12'8")	7.06 (23'2")	
PC400LC-7 PC400LC-7 ^{*7}	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (12'0")	2995 (9'10")	3265 (10'9")	550 (1'10")	2740 (9')	700 (28")	3440 (11'3")	2715 ^{*12} (8'11")	11905 (39'1")	3850 (12'8")	7.06 (23'2")	2.4 (7'10")
												11995 (39'4")	3745 (12'3")		2.9 (9'6")
												11940 (39'2")	3635 (11'11")		3.38 (11'1")
												11950 (39'2")	3885 (12'9")		4.0 (13'1")
PC430-8	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (13'0")	3090 (10'2")	3285 (10'9")	567 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2920 ^{*12} (9'7")	11940 (39'2")	3660 (12'0")	7.06 (23'3")	3.38 (11'1")
PC430-8 (SE spec.)	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (13'0")	3090 (10'2")	3285 (10'9")	567 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2920 ^{*12} (9'7")	11590 (38'0")	3720 (12'2")	6.67 (21'11")	2.9 (9'6")
PC450-8 PC450-8R	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (12'0")	3165 (10'5")	3265 (10'9")	555 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2920 ^{*12} (9'7")	12040 (39'6")	3660 (12'0")	7.1 (23'2")	3.38 (11'1")
PC450LC-8 PC450LC-8R	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (12'0")	3145 (10'4")	3265 (10'9")	550 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2885 ^{*12} (9'6")	12040 (39'6")	3660 (12'0")	7.1 (23'2")	3380 (11'1")

*: USA source
 **: UK source
 ***: China source
 *4: India source
 *5: Thailand source
 *6: Brazil source

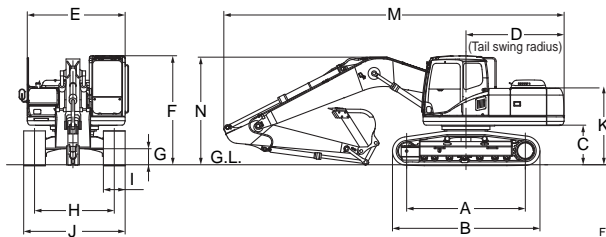
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (ft.in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)	
PC450LC-7*4	4350 (14'3")	5355 (17'7")	1320 (4'4")	3645 (13'0")	2995 (9'10")	3265 (10'9")	550 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2715 (8'11")	11905 (39'1")	3850 (12'8")	7.06 (23'3")	2.4 (7'10")	
												11995 (39'4")	3745 (12'3")			2.9 (9'6")
												11520 (37'10")	3825 (12'7")			6.67 (21'11")
PC460LC-8	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (13'0")	3165 (10'5")	3285 (10'9")	567 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2920*12 (9'7")	12040 (39'6")	3660 (12'0")	7.06 (23'2")	3.38 (11'1")	
PC460LC-8 (SE spec.)	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (13'0")	3165 (10'5")	3285 (10'9")	567 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2920*12 (9'7")	11595 (38'1")	3760 (12'4")	6.7 (22'0")	2.9 (9'6")	
PC490-11**	4020 (13'2")	5055 (16'7")	1385 (4'7")	3645 (13'0")	2995 (9'10")	3360 (11'0")	700 (2'4")	2890 (9'6")	600 (24")	3490*14 (11'5") 2990*13 (9'10")	2560 (8'5")	11470 (37'8")	3630 (11'11")	7.06 (23'2")	2.4 (7'10")	
												11570 (38'0")	3710 (12'2")			2.9 (9'6")
												11910 (39'1")	3875 (12'9")			2.4 (7'10")
												12000 (39'4")	3760 (12'4")			2.9 (9'6")
												11930 (39'2")	3635 (11'11")			3.38 (11'1")
												11950 (39'2")	3885 (12'9")			4.0 (13'1")
11825 (39'0")	4435 (14'7")	4.8 (15'9")														
PC490LC-11	4350 (14'3")	5385 (17'8")	1385 (4'7")	3645 (13'0")	3145 (10'4")	3360 (11'0")	700 (2'4")	2890 (9'6")	700 (28")	3590 (11'9")	3630*12 (11'11")	11930 (39'2")	3635 (11'11")	7.06 (23'2")	3.38 (11'1")	
PC490LC-11*	4350 (14'3")	5385 (17'8")	1385 (4'7")	3645 (13'0")	3145 (10'4")	3360 (11'0")	700 (2'4")	2740 (9'0")	700 (28")	3440 (11'3")	3630*12 (11'11")	11995 (39'4")	3745 (12'3")	7.06 (23'2")	2.9 (9'6")	
												11930 (39'2")	3635 (11'11")			3.38 (11'1")
												11950 (39'2")	3885 (12'9")			4.0 (13'1")
												11795 (38'8")	4435 (14'7")			4.8 (15'9")
PC490LC-11**	4350 (14'3")	5385 (17'8")	1385 (4'7")	3645 (13'0")	2995 (9'10")	3360 (11'0")	700 (2'4")	2890 (9'6")	700 (28")	3590*14 (11'9") 3090*13 (10'2")	2560 (8'5")	11470 (37'8")	3630 (11'11")	7.06 (23'2")	2.4 (7'10")	
												11570 (38'0")	3710 (12'2")			2.9 (9'6")
												11905 (39'1")	3850 (12'8")			2.4 (7'10")
												11995 (39'4")	3745 (12'3")			2.9 (9'6")
												11930 (39'2")	3635 (11'11")			3.38 (11'1")
												11950 (39'2")	3885 (12'9")			4.0 (13'1")
11795 (38'8")	4435 (14'7")	4.8 (15'9")														
PC490LC-10	4350 (14'3")	5385 (17'8")	1385 (4'7")	3645 (13'0")	3145 (10'4")	3360 (11'0")	700 (2'4")	2890 (9'6")	700 (28")	3590 (11'9")	3105*12 (9'7")	11930 (39'2")	3635 (11'11")	7.06 (23'2")	3.38 (11'1")	
PC500LC-10M0	4350 (14'3")	5385 (17'8")	1385 (4'7")	3765 (12'4")	3175 (10'5")	3360 (11'0")	570 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	3105*12 (10'2")	12260 (40'3")	3990 (13'1")	7.06 (23'2")	3.38 (11'1")	
PC500LC-10R (SE spec.)	4350 (14'3")	5385 (17'8")	1385 (4'7")	3765 (12'4")	3175 (10'5")	3360 (11'0")	570 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	3105*12 (10'2")	11945 (39'2")	3980 (13'1")	6.67 (21'11")	2.4 (7'10")	
PC500LC-8 (SE spec.)	4350 (14'3")	5385 (17'8")	1385 (4'7")	3645 (12'0")	3165 (10'5")	3315 (10'11")	565 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2985*12 (9'10")	12035 (39'6")	3655 (12'0")	7.06 (23'2")	3.38 (11'1")	
PC500LC-8 (SE spec.)	4350 (14'3")	5385 (17'8")	1330 (4'4")	3645 (12'0")	3165 (10'5")	3315 (10'11")	565 (1'10")	2740 (9'0")	600 (24")	3340 (11'0")	2985*12 (9'10")	11625 (38'2")	3735 (12'3")	6.67 (21'11")	2.4 (7'10")	

*: USA source
 **: UK source
 ***: China source
 *4: India source
 *5: Thailand source
 *6: Brazil source

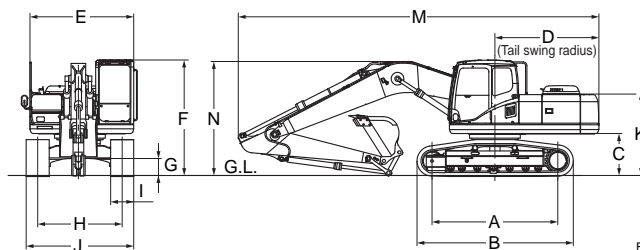
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)	
PC550LC-8	4250 (13'11")	5340 (17'6")	1480 (4'10")	3645 (12'0")	3070 (10'1")	3445 (11'4")	780 (2'7")	2340 (7'8") 2890*14 (9'6")	600 (24")	3490 (11'5")	3050*12 (10'0")	11635 (38'2")	3720 (12'2")	6.67 (21'11")	2.4 (7'10")	
PC600-8E0 PC600-8R1	4250 (13'11")	5340 (17'6")	1365 (4'6")	3950 (13'0")	3170 (10'5")	3290 (10'10")	780 (2'7")	2590 (8'6") 3300*14 (10'10")	600 (24")	3190 (10'6") 3900*14 (12'10")	3435*15 (11'3")	12910 (42'4")	4300 (14'1")	7.7 (25'2")	3.5 (11'6")	
												12830 (42'1")	4655 (15'3")		4.3 (14'1")	
												12535 (41'2")	5235 (17'2")		5.2 (17'1")	
												12540 (41'2")	4280 (14'1")		3.5 (11'6")	
												11930 (39'2")	4600 (15'1")		2.9 (9'6")	
PC600LC-8E0 PC600LC-8R1	4600 (15'1")	5690 (18'8")	1365 (4'6")	3900 (12'10")	3195 (10'6")	3290 (10'10")	780 (2'7")	2590 (8'6") 3300*14 (10'10")	600 (24")	3190 (10'6") 3900*14 (12'10")	3435*15 (11'3")	12910 (42'4")	4300 (14'1")	7.66 (25'2")	3.5 (11'6")	
												12830 (42'1")	4655 (15'3")		4.3 (14'1")	
												12535 (41'2")	5235 (17'2")		5.2 (17'1")	
												12540 (41'2")	4280 (14'1")		3.5 (11'6")	
												11930 (39'2")	4600 (15'1")		2.9 (9'6")	
PC650LC-11*10	4600 (15'1")	5690 (18'8")	1365 (4'6")	3950 (13'0")	3345 (11'0")	3290 (10'10")	780 (2'7")	2590*13 (8'6") 3300*14 (10'10")	900 (35.5")	3490*13 (11'6") 4200*14 (13'10")	3790*12 (12'4")	13005 (42'6")	4300 (14'1")	7.66 (25'2")	3.5 (11'6")	
												12925 (42'4")	4655 (15'2")		4.3 (14'1")	
												12630 (41'4")	5235 (17'2")		5.2 (17'1")	
PC650LC-8E0***	4600 (15'1")	5710 (18'9")	1365 (4'6")	3950 (13'0")	3170 (10'5")	3410 (11'2")	780 (2'7")	2590*13 (8'6") 3300*14 (10'10")	600 (24")	3190*13 (10'6") 3900*14 (12'10")	3435*15 (13'1")	12590 (41'4")	4270 (14'0")	7.28 (23'11")	3.48 (11'5")	
												11980 (39'4")	4600 (15'1")		6.0 (19'8")	2.9 (9'6")
PC700LC-11**	4500 (14'9")	5810 (19'1")	1550 (5'1")	3950 (13'0")	4250*18 (13'11")	3475 (11'5")	830 (2'9")	3300 (10'10")	610 (24")	3910 (12'10")	3975 (13'1")	12040 (39'6")	4670 (15'4")	6.6 (21'8")	2.9 (9'6")	
												12630 (41'5")	4280 (14'1")		7.3 (23'11")	3.5 (11'6")
												13010 (42'8")	4350 (14'3")		7.6 (24'11")	3.5 (11'6")
PC700LC-8E0 PC700LC-8R	4500 (14'9")	5810 (19'1")	1550 (5'1")	3950 (13'0")	3170 (10'5")	3475 (11'5") 3595*16 (11'10")	830 (2'9")	2590 (8'6") 3300*14 (10'10")	610 (24")	3190 (10'6") 3910*14 (12'10")	3620*15 (11'11")	12960 (42'6")	4350 (14'3")	7.66 (25'2")	3.5 (11'6")	
												12930 (42'5")	4690 (15'5")		4.3 (14'1")	
												12700 (41'8")	5230 (17'2")		5.2 (17'1")	
												12580 (41'3")	4280 (14'1")		7.3 (23'11")	3.5 (11'6")
												11990 (39'4")	4670 (15'4")		6.6 (21'8")	2.9 (9'6")
PC700LC-8E0***	4500 (14'9")	5810 (19'1")	1550 (5'1")	3950 (13'0")	3170 (10'5")	3595*16 (11'10")	830 (2'9")	2590 (8'6") 3300*14 (10'10")	610 (24")	3190 (10'6") 3910*14 (12'10")	3620*15 (11'11")	11990 (39'4")	4670 (15'4")	6.6 (21'8")	2.9 (9'6")	

*: USA source
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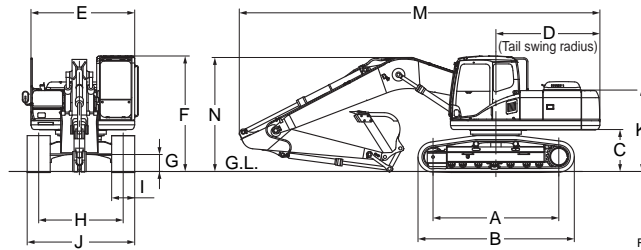
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC800-8E0 PC800-8R1	4500 (14'9")	5810 (19'1")	1560 (5'1")	4400 (14'5")	3195 (10'6")	3570 (11'9")	840 (2'9")	3500 (11'6")	610 (24")	4110 (13'6")	3670*12 (12')	14405 (47'3")	4690 (15'5")	8.2 (26'11")	3.6 (11'10")
										3390*13 (11'1")		14435 (47'4")	5630 (18'6")		4.6 (15'1")
												14115 (46'4")	6260 (20'6")		5.6 (18'4")
PC800-8E0 (SE spec.) PC800-8R1 (SE spec.)	4500 (14'9")	5810 (19'1")	1560 (5'1")	4400 (14'5")	3195 (10'6")	3570 (11'9")	840 (2'9")	3500 (11'6")	610 (24")	4110 (13'6")	3670*12 (12')	13130 (43'1")	4615 (15'2")	7.1 (26'11")	2.945 (9'8")
										3390*13 (11'1")					
PC800LC-8E0 PC800LC-8R1	5020 (16'6")	6330 (20'9")	1560 (5'1")	4400 (14'5")	3195 (10'6")	3570 (11'9")	840 (2'9")	3500 (11'6")	810 (32")	4310 (14'2")	3670*12 (12'0")	14405 (47'3")	4690 (15'5")	8.2 (26'11")	3.6 (11'10")
										3590*13 (11'9")		14435 (47'4")	5630 (18'6")		4.6 (15'1")
												14115 (46'4")	6260 (20'6")		5.6 (18'4")
PC800LC-8E0*9 (SE spec.)	5020 (16'6")	6330 (20'9")	1560 (5'1")	4400 (14'5")	3195 (10'6")	3570 (11'9")	840 (2'9")	3500 (11'6")	810 (32")	4310 (14'2")	3670*12 (12'0")	13130 (43'1")	4615 (15'2")	7.1 (23'4")	2.945 (9'8")
PC850-8E0 PC850-8R1	4500 (14'9")	5810 (19'1")	1560 (5'1")	4400 (14'5")	3195 (10'6")	3640 (11'11")	840 (2'9")	3500 (11'6")	610 (24")	4110 (13'6")	3670*12 (12'0")	13995 (45'11")	4850 (15'11")	8.04 (26'5")	3.6 (11'10")
										3390*13 (11'1")					
PC850-8E0 (SE spec.) PC850-8R1 (SE spec.)	4500 (14'9")	5810 (19'1")	1560 (5'1")	4400 (14'5")	3195 (10'6")	3640 (11'11")	840 (2'9")	3500 (11'6")	610 (24")	4110 (13'6")	3670*12 (12'0")	13130 (43'1")	4615 (15'2")	7.1 (23'4")	2.9 (9'6")
										3390*13 (11'1")					
PC1250-11	4995 (16'5")	6425 (21'1")	1780 (5'10")	4920 (16'2")	3490 (11'5")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1")	4300*12 (14'1")	16070 (52'9")	6040 (19'10")	9.1 (29'10")	3.4 (11'2")
										4965*17 (16'3")		16100 (52'10")	6460 (21'2")		4.5 (14'9")
												15890 (52'2")	6990 (22'11")		5.7 (18'8")
PC1250SP-11	4995 (16'5")	6425 (21'1")	1780 (5'10")	4920 (16'2")	5350*18 (17'7")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1")	4300*12 (14'1")	14840 (48'8")	6265 (20'7")	7.8 (25'7")	3.4 (11'2")
										4965*17 (16'3")					
PC1250-8 PC1250-8R	4995 (16'5")	6425 (21'1")	1790 (5'11")	4870 (16'0")	5350*18 (17'7")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1")	4075*12 (13'4")	16020 (52'7")	6040 (19'10")	9.1 (29'10")	3.4 (11'2")
										4965*17 (16'3")		16050 (52'8")	6460 (21'2")		4.5 (14'9")
												15840 (52'0")	6990 (22'11")		5.7 (18'8")
PC1250-8 (SP spec.) PC1250-8R (SP spec.)	4995 (16'5")	6425 (21'1")	1790 (5'11")	4870 (16'0")	5350*18 (17'7")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1")	4075*12 (13'4")	14790 (48'6")	6265 (20'7")	7.8 (25'7")	3.4 (11'2")
										4965*17 (16'3")					
PC1250-8R*8	4995 (16'5")	6425 (21'1")	1790 (5'11")	4870 (16'0")	5350*18 (17'7")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1")	4075*12 (13'4")	14790 (48'6")	6040 (19'10")	7.8 (25'7")	3.4 (11'2")
										4965*17 (16'3")					
PC1250-7	4995 (16'5")	6425 (21'1")	1790 (5'11")	4870 (16'0")	5350*18 (17'7")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1")	3925*12 (12'11")	16020 (52'7")	6040 (19'10")	9.1 (29'10")	3.4 (11'2")
										4965*17 (16'3")		16050 (52'8")	6500 (21'4")		4.5 (14'9")
												15840 (52'0")	6990 (22'11")		5.7 (18'8")

*: USA source
 **: UK source
 ***: China source
 *: India source
 *: Thailand source
 *: Brazil source

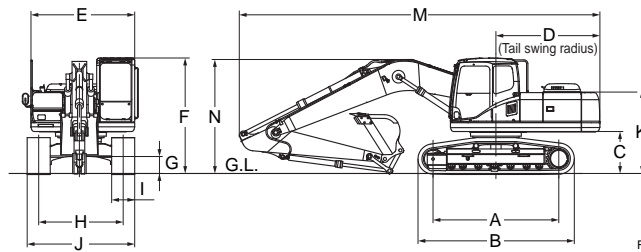
*7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA
 *11: for Russia
 *12: Top of engine cover

*13: When retracted
 *14: When expanded
 *15: Top of exhaust pipe
 *16: with OPG top guard
 *17: Include step
 *18: Include catwalk

*19: Top of hose
 *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC1250-7 (SP spec.)	4995 (16'5")	6425 (21'1")	1790 (5'11")	4810 (15'9")	5350 ^{*18} (17'7")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1") 4965 ^{*17} (16'3")	3925 ^{*12} (12'11")	14790 (48'6")	6265 (20'7")	7.8 (25'7")	3.4 (11'2")
PC1250LC-11	5970 (19'7")	7400 (24'3")	1780 (5'10")	4920 (16'2")	3490 (11'5")	4120 (13'6")	990 (3'3")	3900 (12'9")	1000 (39")	4900 (16'1")	4300 ^{*12} (14'1")	16070 (52'9")	6040 (19'10")	9.1 (29'10")	3.4 (11'2")
					5350 ^{*18} (17'7")					4965 ^{*17} (16'3")		16100 (52'10")	6460 (21'2")		4.5 (14'9")
												15890 (52'2")	6990 (22'11")		5.7 (18'8")
PC1250LC-8	5970 (19'7")	7400 (24'3")	1790 (5'11")	4870 (16'0")	3470 (11'5")	4120 (13'6")	990 (3'3")	3900 (12'9")	1000 (39")	4900 (16'1")	4075 ^{*12} (13'4")	16020 (52'7")	6040 (19'10")	9.1 (29'10")	3.4 (11'2")
					5265 ^{*17} (17'3")					4965 ^{*17} (16'3")		16050 (52'8")	6460 (21'2")		4.5 (14'9")
												15840 (52'0")	6990 (22'11")		5.7 (18'8")
PC1250-7 (SP spec.)	4995 (16'5")	6425 (21'1")	1790 (5'11")	4810 (15'9")	3470 (11'5")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1") 4965 ^{*17} (16'3")	3925 ^{*12} (12'11")	14790 (48'6")	6265 (20'7")	7.8 (25'7")	3.4 (11'2")
PC1250-8 (SP spec) PC1250-8R (SP spec)	4995 (16'5")	6425 (21'1")	1790 (5'11")	4870 (16'0")	3470 (11'5")	4120 (13'6")	990 (3'3")	3900 (12'9")	700 (28")	4600 (15'1") 4965 ^{*17} (16'3")	4075 ^{*12} (13'4")	14790 (48'6")	6265 (20'7")	7.8 (25'7")	3.4 (11'2")
PC2000-11	5780 (19'0")	7445 (24'5")	2095 (6'10")	5980 (19'7")	7685 ^{*18} (25'3")	7030 (23'1")	825 (2'8")	4600 (15'1")	810 (32")	5410 (17'9")	5855 ^{*12} (19'3")	17030 (55'11")	7135 (23'5")	8.7 (28'7")	3.9 (12'10")
					5650 ^{*17} (18'6")										
PC2000-8 PC2000-8*8	5780 (19')	7445 (24'5")	2095 (6'10")	5980 (19'7")	7490 (24'7")	7030 (23'1")	825 (2'8")	4600 (15'1")	810 (32")	5410 (17'9")	5970 ^{*12} (19'7")	17030 (55'11")	7135 (23'5")	8.7 (28'7")	3.9 (12'10")

- *: USA source
- ** : UK source
- ***: China source
- *4: India source
- *5: Thailand source
- *6: Brazil source

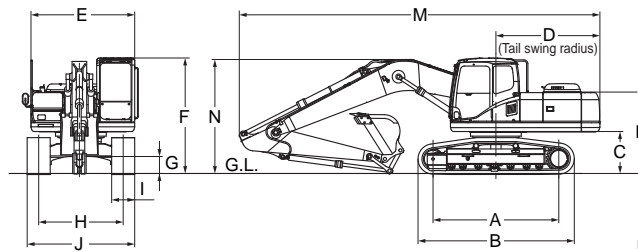
- *7: Russia source
- *8: Indonesia source
- *9: Italy source
- *10: for USA
- *11: for Russia
- *12: Top of engine cover

- *13: When retracted
- *14: When expanded
- *15: Top of exhaust pipe
- *16: with OPG top guard
- *17: Include step
- *18: Include catwalk

- *19: Top of hose
- *20: with blade

Dimensions

EXCAVATORS (BACKHOE)



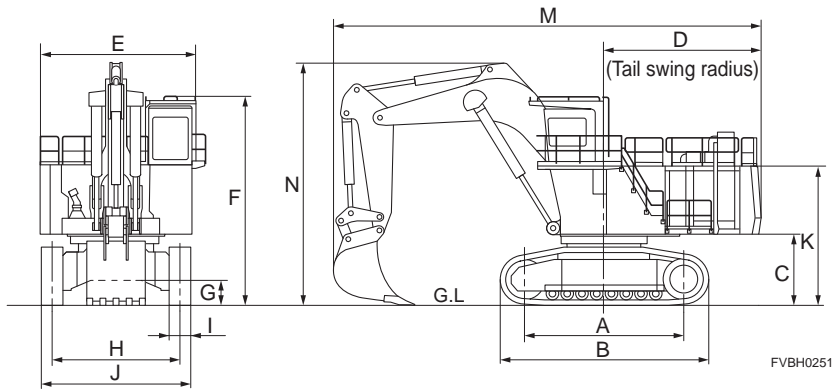
FVBH0313

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
HB205-1M0	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9425 (30'11")	2970 (9'9")	5.7 (18'8")	2.925 (9'7")
HB205-1M0**	3275 (10'9")	4070 (13'4")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2200 (7'3")	600 (24")	2800 (9'2")	2095 (6'10")	9425 (30'11")	2970 (9'9")	5.7 (18'8")	2.925 (9'7")
HB215LC-3	3655 (12'0")	4450 (14'7")	1085 (3'7")	3020 (9'11")	2850 (9'4")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2250 (7'5")	9705 (31'10")	2970 (9'9")	5.7 (18'8")	2.925 (9'7")
HB215LC-2	3655 (12'0")	4450 (14'7")	1085 (3'7")	2940 (9'8")	2850 (9'4")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2610*** (8'7")	9625 (31'7")	2995 (9'10")	5.7 (18'8")	2.925 (9'7")
HB215LC-2*	3655 (12'0")	4450 (14'7")	1085 (3'7")	2940 (9'8")	2705 (8'11")	3045 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2610*** (8'7")	9625 (31'7")		5.7 (18'8")	2.925 (9'7")
HB215LC-1M0	3655 (12'0")	4450 (14'7")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2380 (7'10")	700 (28")	3080 (10'1")	2095 (6'10")	9425 (30'11")	2970 (9'9")	5.7 (18'8")	2.925 (9'7")
HB215LC-1M0**	3655 (12'0")	4450 (14'7")	1085 (3'7")	2750 (9'0")	2710 (8'11")	3040 (10'0")	440 (1'5")	2380 (7'10")	600 (24")	2980 (9'9")	2095 (6'10")	9425 (30'11")	2970 (9'9")	5.7 (18'8")	2.925 (9'7")
HB335LC-1	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	2995 (9'10")	3150 (10'4")	500 (1'8")	2590 (8'6")	700 (28")	3290 (10'10")	2750*** (9'0")	11300 (37'1")	3480 (11'5")	6.47 (21'3")	2.22 (7'3")
												11180 (36'8")	3450 (11'4")		2.55 (8'4")
												11145 (36'7")	3285 (10'9")		3.185 (10'5")
												11170 (36'8")	3760 (12'4")		4.02 (13'2")
HB365LC-3	4030 (13'3")	4955 (16'3")	1190 (3'11")	3445 (11'4")	2995 (9'10")	3150 (10'4")	498 (1'8")	2590 (8'6")	850 (33.5")	3440 (11'3")	3140*** (10'4")	11180 (36'8")	3410 (11'2")	6.5 (21'3")	2.54 (8'4")
												11145 (36'7")	3285 (10'9")		3.185 (10'5")
												11170 (36'8")	3760 (12'4")		4.02 (13'2")
HB365LC-3*	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	2995 (9'10")	3165 (10'5")	498 (1'8")	2590 (8'6")	700 (28")	3290 (10'10")	2350 (7'9")	11290 (37'1")	3400 (11'2")	6.5 (21'3")	2.2 (8'4")
												11180 (36'8")	3410 (11'2")		2.6 (8'6")
HB365NLC-3*	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	2995 (9'10")	3165 (10'5")	498 (1'8")	2390 (7'10")	600 (24")	2990 (9'10")	2350 (7'9")	11145 (36'7")	3285 (10'9")	6.5 (21'3")	3.2 (10'6")
												11170 (36'8")	3760 (12'4")		4.0 (13'1")
HB365LC-1	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	3145 (10'4")	3150 (10'4")	500 (1'8")	2590 (8'6")	600 (28")	3190 (10'6")	2750*** (9'0")	11145 (36'7")	3285 (10'9")	6.47 (21'3")	3.185 (10'5")
HB365LC-1 (SE spec)	4030 (13'3")	4955 (16'3")	1185 (3'11")	3445 (11'4")	3145 (10'4")	3150 (10'4")	500 (1'8")	2590 (8'6")	600 (28")	3190 (10'6")	2750*** (9'0")	10835 (35'7")	3710 (12'2")	6.0 (19'8")	2.2 (7'3")
												10710 (35'2")	3505 (11'6")		2.55 (8'4")

*: UK source
 **: China source
 ***: Top of engine cover

Dimensions

EXCAVATORS (BACKHOE)

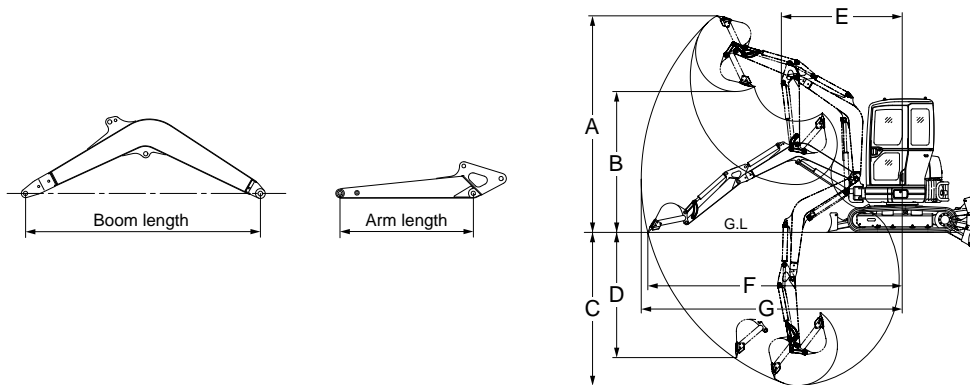


FVBH0251

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	M mm (ft.in)	N mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PC3000-6 PC3000E-6	6000 (19'8")	7914 (26'0")	2670 (8'9")	6402 (21'0")	6070 (19'11")	7479 (24'6")	935 (3'1")	4840 (14'8")	800 (31.5")	5640 (18'6")	5280 (17'4")	16700 (54'10")	8300 (27'3")	8.6 (28'3")	4.0 (13'1")
PC4000-11	6700 (22'0")	8842 (29'0")	3020 (9'11")	6500 (21'4")	7537 (24'9")	8310 (27'3")	930 (3'1")	5550 (18'3")	1200 (47")	6750 (22'2")	6105 (20'0")	18000 (59'1")	10000 (32'10")	9.75 (32'0")	4.5 (14'9")
PC4000-6 PC4000E-6	6700 (22'0")	8842 (29'0")	3017 (9'11")	6500 (21'4")	7400 (24'3")	8300 (27'3")	930 (3'1")	5550 (18'3")	1200 (47")	6750 (22'2")	6100 (20'0")	18000 (59'1")	10000 (32'10")	9.75 (32'0")	4.5 (14'9")
PC5500-6 PC5500E-6	7424 (24'4")	9720 (31'11")	3310 (10'10")	7500 (24'7")	7270 (23'10")	8610 (28'3")	995 (3'3")	6190 (20'4")	1350 (53")	7540 (24'9")	6410 (21'0")	20800 (68'3")	11100 (36'5")	11.0 (36'1")	5.1 (16'9")
PC7000-6 PC7000E-6	7875 (25'10")	10510 (34'6")	3437 (11'3")	7850 (25'9")	8270 (27'2")	9000 (29'6")	1065 (3'6")	6550 (21'6")	1500 (59")	8050 (26'5")	6867 (22'6")	21300 (69'11")	12000 (39'4")	11.0 (36'1")	5.1 (16'9")
PC8000-6 PC8000E-6	8100 (26'7")	10685 (35'1")	3640 (11'4")	8720 (28'7")	8300 (27'3")	9653 (31'8")	1065 (3'6")	6830 (22'5")	1500 (59")	8330 (27'4")	7180 (23'7")	23200 (76'1")	13000 (42'8")	11.5 (37'9")	5.5 (18'1")

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



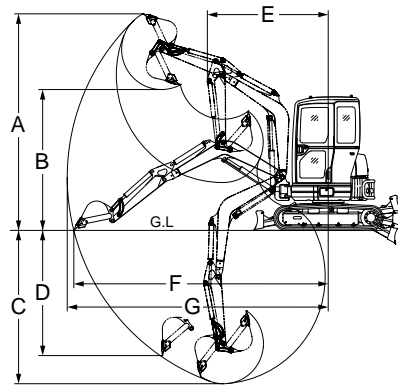
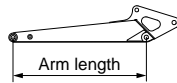
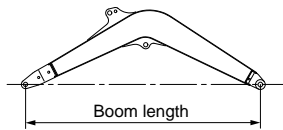
FVBH0016

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force kg (lb/kN)*	Arm crowd force kg (lb/kN)*
PC01-1	0.92 (3'0")	0.48 (1'7")	1850 (6'1")	1300 (4'3")	1050 (4'3")	780 (2'4")	850 (2'7")	1925 (6'4")	2000 (6'7")	350 (770/3.4)	300 (660/2.9)
PC09-1	1.36 (4'5")	0.684 (2'3")	2790 (9'2")	1990 (6'6")	1500 (4'11")	1170 (3'10")	1050 (3'5")	2760 (9'1")	2840 (9'4")	1075 (2,370/10.5)	600 (1,650/7.35)
		0.884 (2'11")	2940 (9'8")	2135 (7'0")	1695 (5'7")	1395 (4'7")	1110 (3'8")	2945 (9'8")	3020 (9'11")		
PC14R-3	1.62 (5'4")	0.88 (2'11")	3285 (10'9")	2295 (7'6")	2000 (6'7")	1450 (4'9")	1485 (4'10")	3545 (11'8")	3635 (11'11")	1210 (2,680/11.9)	750 (1,650/7.35)
		1.13 (3'8")	3430 (11'3")	2440 (8'0")	2250 (7'5")	1810 (5'11")	1540 (5'1")	3785 (12'5")	3865 (12'8")		585 (1,290/5.7)
PC16R-3	1.76 (5'9")	0.965 (3'2")	3610 (11'10")	2610 (8'7")	2160 (7'1")	1785 (5'10")	1470 (4'10")	3735 (12'3")	3825 (12'7")	1450 (3,190/14.2)	920 (2,020/9.0)
		1.215 (4'0")	3820 (12'6")	2815 (9'3")	2410 (7'11")	2000 (6'7")	1570 (5'2")	3990 (13'1")	4070 (13'4")		730 (1,610/7.16)
PC18MR-3 PC18MR-3**	1.76 (5'9")	0.965 (3'2")	3615 (11'10")	2610 (8'8")	2160 (7'1")	1785 (5'10")	1670 (5'6")	3935 (12'11")	4025 (13'2")	1620 (3,570/15.9)	1010 (2,225/9.9)
		1.215 (4'0")	3820 (12'6")	2815 (9'3")	2410 (7'11")	2000 (6'7")	1770 (5'10")	4190 (13'9")	4270 (14'0")		865 (1,910/8.5)
PC20MR-3	1.81 (5'11")	0.97 (3'2")	4000 (13'1")	2760 (9'1")	2280 (7'6")	1860 (6'1")	1790 (5'10")	4000 (13'1")	4150 (13'7")	1920 (4,230/18.8)	1390 (3,065/13.6)
		1.32 (4'4")	4300 (14'1")	3020 (9'11")	2580 (8'6")	2215 (7'3")	1940 (6'4")	4350 (14'3")	4500 (14'9")		1140 (2,510/11.2)
PC22MR-3	1.81 (5'11")	0.97 (3'2")	4000 (13'1")	2760 (9'1")	2280 (7'6")	1860 (6'1")	1790 (5'10")	4000 (13'1")	4150 (13'7")	1920 (4,230/18.8)	1390 (3,065/13.6)
		1.32 (4'4")	4300 (14'1")	3020 (9'11")	2580 (8'6")	2215 (7'3")	1940 (6'4")	4350 (14'3")	4500 (14'9")		1150 (2,540/11.3)
PC26MR-3	2.2 (7'3")	1.115 (3'8")	4170 (13'8")	2960 (9'9")	2740 (8'1")	1540 (5'1")	1960 (6'5")	4280 (14'1")	4430 (14'6")	2245 (4,950/22.0)	1430 (3,150/14.0)
		1.37 (4'6")	4340 (14'3")	3120 (10'3")	2720 (8'11")	1760 (5'9")	2060 (6'9")	4530 (14'10")	4660 (15'3")		1235 (2,720/12.1)
PC30MR-5	2.29 (7'6")	1.24 (4'1")	4840 (15'11")	3350 (11'0")	2760 (9'1")	2400 (7'10")	2055 (6'9")	4910 (16'1")	5050 (16'7")	3000 (6,610/29.5)	1800 (3,970/17.7)
PC30MR-5**	2.29 (7'6")	1.24 (4'1")	4840 (15'11")	3350 (11'0")	2760 (9'1")	2400 (7'10")	2055 (6'9")	4910 (16'1")	5050 (16'7")	3000 (6,610/29.5)	1800 (3,970/17.7)
		1.61 (5'5")	5070 (16'8")	3580 (11'9")	3130 (10'3")	2770 (9'1")	2190 (7'2")	5215 (17'1")	5390 (17'8")		1520 (3,310/14.7)
PC30MR-3 PC30MR-3**	2.29 (7'6")	1.24 (4'1")	4840 (15'11")	3350 (11'0")	2760 (9'1")	2400 (7'10")	2055 (6'9")	4910 (16'1")	5050 (16'7")	3000 (6,615/29.4)	1800 (3,970/17.7)
		1.61 (5'5")	5070 (16'8")	3580 (11'9")	3130 (10'3")	2770 (9'1")	2190 (7'2")	5215 (17'1")	5390 (17'8")		1500 (3,310/14.7)
PC35MR-5	2.54 (8'4")	1.72 (5'8")	5270 (17'3")	3790 (12'5")	3455 (11'4")	3120 (10'3")	2140 (7'0")	5520 (18'1")	5640 (18'6")	3050 (6,720/29.9)	1670 (3,680/16.4)
PC35MR-5**	2.54 (8'4")	1.37 (4'6")	5000 (15'11")	3530 (11'0")	3110 (9'1")	2690 (8'10")	2030 (6'8")	5170 (17'0")	5300 (17'5")	3050 (6,720/29.9)	2100 (4,630/20.6)
		1.72 (5'8")	5270 (17'3")	3790 (12'5")	3455 (11'4")	3210 (10'6")	3140 (10'4")	5520 (18'1")	5640 (18'6")		1670 (3,680/16.4)
PC35MR-3	2.54 (8'4")	1.37 (4'6")	5000 (16'5")	3530 (11'7")	3110 (10'2")	2690 (8'10")	2030 (6'8")	5170 (17'0")	5300 (17'5")	3050 (6,725/29.9)	2100 (4,630/20.6)
		1.72 (5'8")	5270 (17'3")	3790 (12'5")	3455 (11'4")	3120 (10'3")	2140 (7'0")	5520 (18'1")	5640 (18'6")		1760 (3,880/17.3)
PC45MR-5	2.64 (8'8")	1.695 (5'7")	5730 (18'10")	4000 (13'2")	3625 (11'11")	3070 (10'1")	2380 (7'10")	5895 (19'4")	6040 (19'10")	3460 (7,630/33.9)	2070 (4,560/20.3)

** : ISO rating
 ***: Italy source
 ****: Thailand source

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



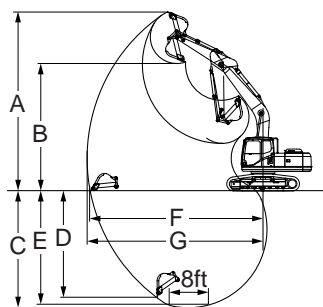
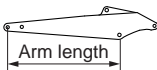
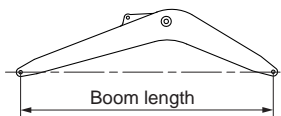
FVBH0016

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force kg (lb/kN)*	Arm crowd force kg (lb/kN)*
PC45MR-5M0	2.64 (8'8")	1.375 (4'6")	5500 (18'1")	3775 (12'5")	3300 (10'10")	2730 (8'11")	2290 (7'6")	5575 (18'3")	5735 (18'10")	3460 (7,630/33.9)	2220 (4,890/21.8)
		1.77 (6'0")	5780 (19'0")	4060 (13'4")	3705 (12'2")	3145 (10'4")	2410 (7'11")	5980 (19'7")	6130 (20'1")		2050 (4,520/20.1)
PC45MR-3 PC45MR-3**	2.64 (8'8")	1.375 (4'6")	5515 (18'1")	3785 (12'5")	3350 (11'0")	2645 (8'8")	2340 (7'8")	5575 (18'3")	5735 (18'10")	3460 (7,630/33.9)	2200 (4,850/21.6)
		1.77 (6'0")	5780 (19'0")	4060 (13'4")	3770 (12'4")	3060 (10'0")	2410 (7'11")	5980 (19'7")	6130 (20'1")		1980 (4,370/19.4)
PC55MR-5	2.9 (9'6")	1.64 (5'5")	5915 (19'5")	4200 (13'9")	3770 (12'4")	3030 (9'11")	2285 (7'6")	6075 (19'11")	6220 (20'5")	3980 (8,770/39.0)	2440 (5,380/23.9)
PC55MR-5M0	2.9 (9'6")	1.64 (5'5")	5915 (19'5")	4200 (13'9")	3770 (12'4")	3030 (9'11")	2285 (7'6")	6075 (19'11")	6220 (20'5")	3980 (8,770/39.0)	2440 (5,380/23.9)
		2.00 (6'7")	6180 (20'3")	4470 (14'8")	4130 (13'7")	3380 (11'1")	2390 (7'10")	6435 (21'1")	6570 (21'7")		2270 (5,000/22.3)
PC55MR-3	2.90 (9'6")	1.64 (5'5")	5945 (19'6")	4230 (13'11")	3800 (12'6")	3020 (9'11")	2270 (7'5")	6070 (19'11")	6220 (20'5")	3980 (8,775/39.0)	2440 (5,380/23.9)
		2.0 (6'3")	6215 (20'5")	4495 (14'9")	4160 (13'8")	3380 (11'1")	2380 (7'10")	6430 (21'1")	6570 (21'7")		2150 (4,740/23.9)
PC56-7	2.9 (9'6")	1.64 (5'5")	5850 (19'2")	4160 (13'8")	3800 (12'6")	3020 (9'11")	2340 (7'8")	5950 (19'6")	6120 (20'1")	3980 (8,770/39.0)	2440 (5,380/23.9)

** : ISO rating
 ** : Italy source
 *** : Thailand source

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



FVBH0312

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
PC60-8***	3.65 (120")	1.55 (5'1")	7030 (23'1")	4925 (16'2")	3900 (12'10")	3350 (11'0")	3555 (11'8")	6045 (19'10")	6190 (20'4")	5590 ⁺² (12,320/54.8)	4060 ⁺² (8,950/39.8)
PC70-8 PC70-8*5 PC70-8***	3.71 (122")	1.65 (5'5")	7150 (23'5")	5015 (16'5")	4100 (13'5")	3505 (11'6")	3755 (12'4")	6220 (20'5")	6360 (20'10")	5590 ⁺² (12,320/54.8)	3900 ⁺² (8,600/38.2)
PC71-7	3.71 (122")	1.65 (5'5")	7150 (23'5")	5015 (16'5")	4100 (13'5")	3505 (11'6")	3755 (12'4")	6220 (20'5")	6360 (20'10")	4800 ⁺² (10,580/47.1)	3600 ⁺² (7,940/35.3)
		2.25 (7'5")	7515 (24'8")	5420 (17'9")	4690 (15'5")	3265 (10'9")	4460 (14'8")	6770 (22'3")	6900 (22'8")		3050 ⁺² (6,720/29.9)
PC78US-10	3.71 (122")	1.65 (5'5")	7350 (24'1")	5230 (17'2")	4050 (13'3")	3560 (11'8")	3720 (12'2")	6230 (20'5")	6380 (20'11")	6250 ⁺² (13,780/61.3)	4230 ⁺² (9,330/41.5)
		2.25 (7'5")	7650 (25'1")	5550 (18'3")	4660 (15'3")	3980 (13'1")	4380 (14'4")	6780 (22'3")	6920 (22'8")		3520 ⁺² (7,760/34.5)
PC78US-8	3.71 (122")	1.65 (5'5")	7300 (23'11")	5180 (17'0")	4100 (13'5")	3610 (11'10")	3770 (12'4")	6240 (20'6")	6380 (20'11")	6250 ⁺² (13,780/61.3)	4230 ⁺² (9,330/41.5)
		2.25 (7'5")	7600 (24'11")	5500 (18'0")	4710 (15'5")	4030 (13'3")	4430 (14'6")	6790 (22'3")	6920 (22'8")		3520 ⁺² (7,760/34.5)
PC78UU-8	3.75 (124")	1.72 (5'8")	7330 (24'1")	5260 (17'3")	4230 (13'10")	3190 (10'6")	3795 (12'5")	6240 (20'6")	6400 (21'0")	6250 ⁺² (13,780/61.3)	3960 ⁺² (8,730/38.8)
PC80MR-5	3.2 (106")	1.65 (5'5")	6315 (20'9")	4390 (14'5")	3975 (13'1")	2885 (9'6")	3620 (11'11")	6595 (21'8")	6775 (22'3")	5970 ⁺² (13,160/58.5)	3990 ⁺² (8,800/39.1)
		2.0 (6'7")	6560 (21'6")	4620 (15'2")	4325 (14'2")	3215 (10'7")	4015 (13'2")	6945 (22'9")	7120 (23'4")		
PC80MR-5 (Two-piece boom)	4.03 (133")	1.65 (5'5")	7585 (24'11")	5600 (18'4")	3980 (13'1")	3140 (10'4")	3820 (12'6")	7215 (23'8")	7380 (24'3")	5970 ⁺² (13,160/58.5)	3990 ⁺² (8,800/39.1)
		2.0 (6'7")	7915 (26'0")	5925 (19'5")	4335 (14'3")	3450 (11'4")	4180 (13'9")	7570 (24'10")	7725 (25'4")		
PC88MR-10	3.4 (11'2")	1.65 (5'5")	6620 (21'9")	4565 (15'0")	4110 (13'6")	2850 (9'4")	3715 (12'2")	6710 (22'0")	6935 (22'9")	6250 ⁺² (13,780/61.3)	4230 ⁺² (9,330/41.5)
		2.1 (6'11")	6800 (22'4")	4770 (15'8")	4565 (15'0")	3115 (10'3")	4200 (13'9")	7135 (23'5")	7345 (24'1")		3700 ⁺² (8,160/36.3)
PC88MR-10*9	3.4 (11'2")	2.1 (6'11")	6800 (22'4")	4770 (15'8")	4565 (15'0")	3115 (10'3")	4200 (13'9")	7135 (23'5")	7345 (24'1")	6250 ⁺² (13,780/61.3)	3700 ⁺² (8,160/36.3)
PC88MR-8	3.4 (11'2")	1.65 (5'5")	6570 (21'7")	4515 (14'10")	4160 (13'8")	2900 (9'6")	3765 (12'4")	6725 (22'1")	6935 (22'9")	6250 ⁺² (13,780/61.3)	4230 ⁺² (9,330/41.5)
		2.1 (6'11")	6750 (22'2")	4720 (15'6")	4615 (15'2")	3165 (10'5")	4250 (13'11")	7150 (23'5")	7345 (24'1")		3700 ⁺² (8,160/36.3)
PC88MR-8*9	3.4 (11'2")	2.1 (6'11")	6750 (22'2")	4720 (15'6")	4615 (15'2")	3165 (10'5")	4250 (13'11")	7150 (23'5")	7345 (24'1")	6250 ⁺² (13,780/61.3)	3700 (8,160/36.3)
PC110-8M0	4.26 (140")	2.36 (7'9")	7910 (25'11")	5650 (18'6")	5060 (16'7")	4570 (15'0")	4860 (15'11")	7600 (24'11")	7730 (25'4")	9400 (20,720/92.2)	6100 (13,450/59.8)
PC118MR-8	3.5 (11'5")	2.0 (6'7")	6590 (21'7")	4920 (16'2")	4450 (14'7")	2522 (8'3")	-	7285 (23'11")	7515 (24'8")	7310 ⁺² (16,120/71.7)	4700 ⁺² (10,360/46.1)
		2.3 (7'7")	6740 (22'1")	5070 (16'8")	4750 (15'7")	2800 (9'2")	-	7575 (24'10")	7795 (25'7")		4170 ⁺² (9,190/41)
PC118MR-8 (Two-piece boom)	3.855 (126")	2.0 (6'7")	8250 (27'1")	3135 (10'3")	4520 (14'10")	3490 (11'5")	-	7750 (25'5")	7950 (26'1")	7310 ⁺² (16,120/71.7)	4700 ⁺² (10,360/46.1)
		2.3 (7'7")	8390 (27'6")	3235 (10'7")	4670 (15'4")	3635 (11'11")	-	7900 (25'11")	8100 (26'7")		4170 ⁺² (9,190/41)
PC130-8 PC130-8*5	4.6 (15'1")	2.5 (8'2")	8650 (28'5")	6210 (20'5")	5520 (18'1")	4980 (16'4")	5320 (17'5")	8170 (26'10")	8290 (27'2")	9520 (21,000/93.4)	6880 (15,170/67.5)
		3.0 (9'10")	8930 (29'4")	6615 (21'8")	5955 (19'6")	5365 (17'7")	5775 (18'11")	8595 (28'2")	8720 (28'7")		6050 (13,340/59.3)
PC130-8*6	4.6 (15'1")	2.5 (8'2")	8650 (28'5")	6210 (20'5")	5520 (18'1")	4980 (16'4")	5320 (17'5")	8170 (26'10")	8290 (27'2")	9520 (21,000/93.4)	6050 (13,340/59.3)
PC130-8M0***	4.6 (15'1")	2.1 (6'11")	8390 (27'6")	5930 (19'6")	5140 (16'10")	4560 (15'0")	4800 (15'9")	7810 (25'7")	7945 (26'1")	9520 (21,000/93.4)	7740 (17,060/78.9)
		2.5 (8'2")	8650 (28'5")	6210 (20'5")	5520 (18'1")	4900 (16'1")	5245 (17'2")	8170 (26'10")	8290 (27'2")		6880 (15,170/67.5)
PC130-7*4	4.6 (15'1")	2.1 (6'11")	8345 (27'4")	5905 (19'4")	5115 (16'9")	4520 (14'9")	4875 (15'11")	7795 (25'6")	7925 (26'0")	9500 (20,940/93.2)	7900 (17,420/77.5)
		2.5 (8'2")	8610 (28'3")	6170 (20'3")	5520 (18'1")	4940 (16'2")	5315 (17'5")	8170 (26'10")	8290 (27'2")		6900 (15,210/67.7)

* : USA source
 ** : UK source
 *** : China source
 *4 : India source
 *5 : Thailand source

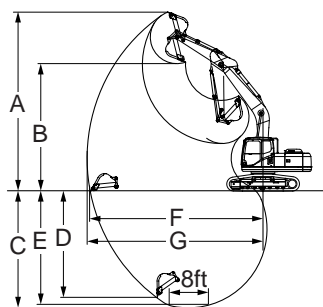
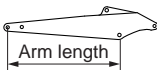
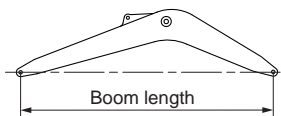
*6 : Brazil source
 *7 : Russia source
 *8 : Indonesia source
 *9 : Italy source
 *10 : for USA

*11 : for UK
 *12 : for Russia

*1 : Using Power Max. function and ISO rating
 *2 : Normal digging force
 *3 : Optional bucket cylinder is required.

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



FVBH0312

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
PC130F-7	4.26 (14'0")	2.36 (7'9")	7970 (26'2")	5700 (18'8")	5060 (16'7")	4500 (14'9")		7750 (25'5")	7875 (25'10")		
		3.0 (9'10")	8790 (28'10")	6535 (21'5")	6015 (19'9")	5360 (17'7")		8665 (26'5")	8785 (26'10")		
PC138US-11*9	4.6 (15'1")	2.1 (6'11")	9020 (29'7")	6525 (21'5")	5070 (16'8")	4490 (14'9")	4830 (15'10")	7805 (25'7")	7930 (26'0")	9500*2 (20,940/93.2)	7300*2 (16,090/71.6)
		2.5 (8'2")	9340 (30'8")	6840 (22'5")	5480 (18'0")	4900 (16'1")	5265 (17'3")	8180 (26'10")	8300 (27'3")		6300*2 (13,890/61.8)
		3.0 (9'10")	9700 (31'10")	7350 (24'1")	5900 (19'4")	5340 (17'6")	5715 (18'9")	8600 (28'3")	8720 (28'7")		5700*2 (12,750/55.9)
PC138US-8	4.6 (15'1")	2.1 (6'11")	9020 (29'7")	6525 (21'5")	5070 (16'8")	4490 (14'9")	4830 (15'10")	7805 (25'7")	7930 (26'0")	9000*2 (19,840/88.3)	7300*2 (16,090/71.6)
		2.5 (8'2")	9340 (30'8")	6840 (22'5")	5480 (18'0")	4900 (16'1")	5265 (17'3")	8180 (26'10")	8300 (27'0")		6300*2 (13,890/61.8)
		3.0 (9'10")	9700 (31'10")	7350 (24'1")	5900 (19'4")	5340 (17'6")	5715 (18'9")	8600 (28'3")	8720 (28'7")		5700*2 (12,750/55.9)
PC138USLC-11*10	4.6 (15'1")	2.5 (8'2")	9340 (30'8")	6840 (22'5")	5480 (18'0")	4900 (16'1")	5265 (17'3")	8180 (26'10")	8300 (27'3")	9500*2 (20,940/93.2)	6300*2 (13,890/61.8)
		3.0 (9'10")	9700 (31'10")	7350 (24'1")	5900 (19'4")	5340 (17'6")	5715 (18'9")	8600 (28'3")	8720 (28'7")		5700*2 (12,750/55.9)
PC138USLC-10	4.6 (15'1")	2.5 (8'2")	9340 (30'8")	6840 (22'5")	5480 (18'0")	4900 (16'1")	5265 (17'3")	8180 (26'10")	8300 (27'3")	9500*2 (20,940/93.2)	6300*2 (13,890/61.8)
		3.0 (9'10")	9700 (31'10")	7350 (24'1")	5900 (19'4")	5340 (17'6")	5715 (18'9")	8600 (28'3")	8720 (28'7")		5700*2 (12,750/55.9)
PC160LC-8 PC160LC-8*5	5.15 (16'11")	2.25 (7'5")	8910 (29'3")	6280 (20'7")	5610 (18'5")	4860 (15'11")	5375 (17'8")	8510 (27'11")	8680 (28'6")	12500 (27,560/123)	9700 (21,380/95.1)
		2.61 (8'6")	8980 (29'6")	6370 (20'11")	5960 (19'6")	5040 (16'6")	5740 (18'10")	8800 (28'10")	8960 (29'6")		8800 (19,400/86.3)
		2.9 (9'6")	9130 (30'0")	6525 (21'5")	6250 (20'6")	5320 (17'5")	6050 (19'10")	9075 (29'9")	9235 (30'4")		8100 (17,860/79.4)
PC160LC-8***	5.15 (16'11")	2.25 (8'7")	8980 (29'6")	6370 (20'11")	5960 (19'7")	5040 (16'6")	5740 (18'10")	8800 (29'7")	8960 (29'5")	12500 (27,560/123)	8800 (19,400/86.3)
PC160LC-8*6	5.15 (16'11")	2.25 (7'5")	8910 (29'3")	6280 (20'7")	5610 (18'5")	4860 (15'11")	5375 (17'8")	8510 (27'11")	8680 (28'6")	12500 (27,560/123)	9700 (21,380/95.1)
PC170LC-11	5.15 (16'11")	2.61 (8'7")	8980 (29'6")	6370 (20'11")	5960 (19'7")	5040 (16'6")	5740 (18'10")	8800 (29'7")	8960 (29'5")	12500 (27,560/123)	8800 (19,400/86.3)
		2.9 (9'6")	9130 (29'11")	6525 (21'5")	6250 (20'6")	5320 (17'5")	6050 (19'10")	9075 (29'9")	9235 (30'4")		8100 (17,860/79.4)
PC170LC-10 PC170LC-10** PC170LC-11*9	5.15 (16'11")	2.25 (7'5")	8910 (29'3")	6280 (20'7")	5610 (18'5")	4860 (15'11")	5375 (17'8")	8510 (27'11")	8680 (28'6")	12500 (27,560/123)	9700 (21,380/95.1)
		2.61 (8'7")	8980 (29'6")	6370 (20'11")	5960 (19'7")	5040 (16'6")	5740 (18'10")	8800 (29'7")	8960 (29'5")		8800 (19,400/86.3)
		2.9 (9'6")	9130 (29'11")	6525 (21'5")	6250 (20'6")	5320 (17'5")	6050 (19'10")	9075 (29'9")	9235 (30'4")		8100 (17,860/79.4)
PC195LC-8	5.15 (16'11")	2.9 (9'6")	9130 (29'11")	6525 (21'5")	6250 (20'6")	5320 (17'5")	6050 (19'10")	9075 (29'9")	9235 (30'4")	12500 (27,560/123)	8100 (17,860/79.4)
PC200-8 PC200-8M0 PC200LC-8 PC200LC-8M0	5.7 (18'8")	1.84 (6'0")	9500 (31'2")	6630 (21'9")	5380 (17'8")	4630 (15'2")	5130 (16'0")	8660 (28'5")	8850 (29'1")	18000*3 (39,680/177)	14800 (32,630/145)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6095 (20'0")	5430 (17'10")	5780 (19'0")	9190 (30'2")	9380 (30'9")		13000 (28,660/127)
		2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")		11000 (24,250/108)
PC200-8M0*8	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC200-8M0*7 PC200LC-8M0*7 PC210NLC-8*7	5.7 (18'8")	1.84 (7'11")	9500 (31'2")	6630 (21'9")	5380 (17'8")	4630 (15'2")	5130 (16'0")	8660 (28'5")	8850 (29'1")	15200 (33,510/149)	14800 (32,630/145)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6095 (20'0")	5430 (17'10")	5780 (19'0")	9190 (30'2")	9380 (30'9")		13000 (28,660/127)
		2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")		11000 (24,250/108)

* : USA source
 ** : UK source
 *** : China source
 *4 : India source
 *5 : Thailand source

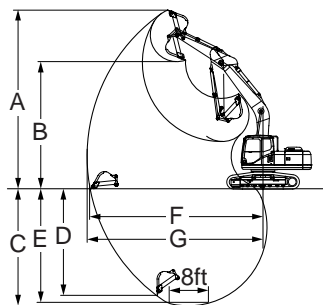
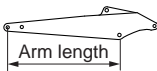
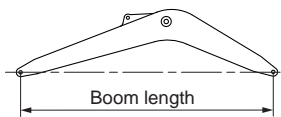
*6 : Brazil source
 *7 : Russia source
 *8 : Indonesia source
 *9 : Italy source
 *10 : for USA

*11 : for UK
 *12 : for Russia

*1 : Using Power Max. function and ISO rating
 *2 : Normal digging force
 *3 : Optional bucket cylinder is required.

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



FVBH0312

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
PC200-8M0*5 PC200LC-8M0*5	5.7 (18'8")	1.84 (6'0")	9500 (31'2")	6630 (21'9")	5380 (17'8")	4630 (15'2")	5130 (16'0")	8660 (28'5")	8850 (29'1")	18000*3 (39,680/177)	14800 (32,630/145)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6095 (20'0")	5430 (17'10")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
		2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")		11000 (24,250/108)
PC200-8M0*** PC200LC-8M0*** PC210-8M0*** PC210LC-8M0***	5.7 (18'8")	2.41 (7'11")	9800 (32'2")	6890 (22'7")	6095 (20'0")	5430 (17'10")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
		2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")		11000 (24,250/108)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6010 (19'9")	4920 (16'2")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
PC200-8M0*6	5.7 (17'1")	2.925 (9'7")	10060 (33'0")	7160 (23'6")	6520 (21'5")	5200 (17'1")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	13000 (28,660/127)
		2.41 (7'11")	9350 (30'8")	6500 (21'4")	5520 (18'1")	3085 (10'1")	5320 (17'5")	8650 (28'5")	8850 (29'0")	15200 (33,510/149)	13000 (28,660/127)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6010 (19'9")	4920 (16'2")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
PC200LC-8M0*6	5.2 (18'8")	2.41 (7'11")	9350 (30'8")	6500 (21'4")	5520 (18'1")	3085 (10'1")	5320 (17'5")	8650 (28'5")	8850 (29'0")	15200 (33,510/149)	13000 (28,660/127)
		2.925 (9'7")	10060 (33'0")	7160 (23'6")	6520 (21'5")	5200 (17'1")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	13000 (28,660/127)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6010 (19'9")	4920 (16'2")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
PC210LC-11 PC210LC-11*	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
		2.4 (7'11")	9800 (32'2")	6890 (22'7")	6095 (20'0")	5430 (17'10")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
		2.9 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC210NLC-11**	5.7 (18'8")	2.4 (7'11")	9740 (31'11")	6870 (22'6")	5980 (19'7")	5390 (17'8")	5755 (30'1")	9160 (30'1")	9355 (30'8")	17500 (38,580/172)	13000 (28,660/127)
		2.9 (9'6")	10070 (33'0")	7190 (23'7")	6490 (21'4")	5910 (19'5")	6305 (20'8")	9655 (31'8")	9850 (32'4")	15200 (33,510/149)	11000 (24,250/108)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6095 (20'0")	5430 (17'10")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
PC210LC-10	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
		1.8 (5'11")	9665 (31'9")	6760 (22'2")	5230 (17'2")	4530 (14'10")	4990 (16'4")	8670 (28'5")	8870 (29'1")	18000 (39,680/177)	14800 (32,630/145)
		2.41 (7'11")	9810 (32'2")	6885 (22'7")	6000 (19'8")	5410 (17'9")	5785 (19'0")	9200 (30'2")	9390 (30'10")	15200 (33,510/149)	13000 (28,660/127)
PC210-10M0 PC210LC-10M0	5.7 (18'8")	2.925 (9'7")	10065 (33'0")	7160 (23'6")	6515 (21'4")	5810 (19'1")	6330 (20'9")	9680 (31'9")	9860 (32'4")	15200 (33,510/149)	11000 (24,250/108)
		2.4 (7'11")	9800 (32'2")	6890 (22'7")	6095 (20'0")	5430 (17'10")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)
		2.9 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC210-8M0*** PC210LC-8M0***	5.7 (18'8")	2.41 (7'11")	9830 (32'3")	6960 (22'10")	6000 (19'8")	5080 (16'8")	5760 (18'11")	9195 (30'2")	9390 (30'10")	15200 (33,510/149)	13000 (28,660/127)
		2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
		2.41 (7'11")	9830 (32'3")	6960 (22'10")	6000 (19'8")	5080 (16'8")	5760 (18'11")	9195 (30'2")	9390 (30'10")	15200 (33,510/149)	13000 (28,660/127)
PC220-8 PC220-8M0 PC220LC-8 PC220LC-8M0 PC220-8M0*7 PC220LC-8M0*7	5.9 (19'2")	2.00 (6'7")	9665 (31'9")	6715 (22'0")	5825 (19'1")	4750 (15'7")	5585 (18'4")	9070 (29'9")	9270 (30'5")	20100 (44,310/197)	15800 (34,830/155)
		2.50 (8'2")	9790 (32'1")	6860 (22'6")	6320 (20'9")	5130 (16'10")	6100 (20'0")	9480 (31'1")	9670 (31'9")	17500 (38,580/172)	15100 (33,290/148)
		3.05 (10'0")	10000 (32'10")	7035 (23'1")	6920 (22'8")	6010 (19'9")	6700 (22'0")	10020 (32'10")	10180 (33'5")		13200 (29,100/129)
PC220-8M0***	5.9 (19'2")	2.50 (8'2")	9790 (32'1")	6860 (22'6")	6320 (20'9")	5130 (16'10")	6100 (20'0")	9480 (31'1")	9670 (31'9")	17500 (38,580/172)	15100 (33,290/148)
		3.05 (10'0")	10000 (32'10")	7035 (23'1")	6920 (22'8")	6010 (19'9")	6700 (22'0")	10020 (32'10")	10180 (33'5")		13200 (29,100/129)
		2.925 (9'6")	10700 (35'1")	7825 (25'8")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC228US-8 PC228USLC-8	5.7 (18'8")	2.4 (7'10")	10380 (34'1")	7470 (24'6")	6095 (20'0")	5315 (17'5")	5840 (19'2")	9205 (30'2")	9395 (30'10")	17500 (38,580/172)	13000 (28,660/127)
		2.9 (9'7")	10700 (35'1")	7825 (25'8")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
		2.41 (7'11")	9800 (32'2")	6890 (22'7")	6010 (19'9")	4920 (16'2")	5780 (19'0")	9190 (30'2")	9380 (30'9")	15200 (33,510/149)	13000 (28,660/127)

* : USA source

** : UK source

*** : China source

*4 : India source

*5 : Thailand source

*6 : Brazil source

*7 : Russia source

*8 : Indonesia source

*9 : Italy source

*10 : for USA

*11 : for UK

*12 : for Russia

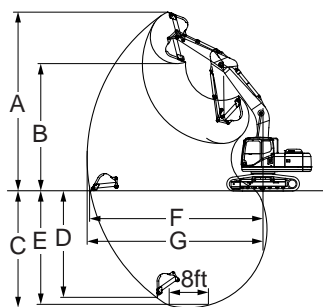
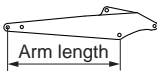
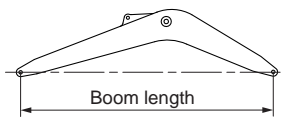
*1 : Using Power Max. function and ISO rating

*2 : Normal digging force

*3 : Optional bucket cylinder is required.

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



FVBH0312

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
PC228USLC-10	5.7 (18' 8")	2.925 (9'7")	10700 (34'1")	7825 (25'8")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC230NHD-11	5.7 (18'8")	2.4 (7'10")	9765 (32'0")	6895 (23'8")	5955 (19'6")	5365 (17'7")	5730 (18'10")	9160 (30'1")	9355 (30'8")	17500 (38,580/172)	13000 (28,660/127)
		2.9 (9'7")	10095 (33'1")	7215 (23'8")	6465 (21'3")	5885 (19'4")	6280 (20'7")	9655 (31'9")	9850 (32'4")	15200 (33,510/149)	11000 (24,250/108)
PC230NHD-11 (Two-piece boom)		2.4 (7'10")	10630 (34'11")	7665 (25'2")	5670 (18'7")	4710 (15'5")	5575 (18'3")	9221 (30'3")	9415 (30'11")	17500 (38,580/172)	13000 (28,660/127)
		2.9 (9'7")	11085 (36'4")	8115 (26'8")	6185 (20'4")	5225 (17'2")	6080 (19'11")	9750 (32'0")	9935 (32'7")	15200 (33,510/149)	11000 (24,250/108)
PC238USLC-11	5.7 (18'8")	2.925 (9'7")	10700 (35'1")	7825 (25'8")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
PC240LC-11 PC240LC-11*	5.85 (19'2")	3.045 (10'0")	10000 (32'10")	7035 (23'1")	6920 (22'8")	6010 (19'9")	6700 (22'0")	10020 (32'10")	10180 (33'5")	17500 (38,580/172)	13200 (29,100/130)
		3.5 (11'6")	10300 (33'10'')	7360 (24'2")	7320 (24'0")	6230 (20'5")	7150 (23'6")	10420 (34'2")	10580 (34'9")		11200 (24,690/110)
PC240LC-11** PC240NLC-11**	5.85 (19'2")	2.0 (6'7")	9665 (31'9")	6715 (22'0")	5825 (19'1")	4750 (15'7")	5585 (18'4")	9070 (29'9")	9270 (30'5")	20100 (44,310/197)	16400 (36,160/161)
		2.5 (8'2")	9790 (32'1")	6860 (22'6")	6320 (20'9")	5130 (16'10")	6100 (20'0")	9480 (31'1")	9670 (31'9")		15100 (33,290/148)
		3.0 (10'0")	10000 (32'10")	7035 (23'1")	6920 (22'8")	6010 (19'9")	6700 (22'0")	10020 (32'10")	10180 (33'5")	17500 (38,580/172)	13200 (29,100/130)
		3.5 (11'6")	10300 (33'10'')	7360 (24'2")	7320 (24'0")	6230 (20'5")	7150 (23'6")	10420 (34'2")	10580 (34'9")		11200 (24,690/110)
PC240LC-11** PC240NLC-11** (Two-piece boom)		2.5 (8'2")	11360 (37'3")	8265 (27'1")	6130 (20'1")	4800 (15'9")	6030 (19'9")	9885 (32'5")	10000 (32'10")	20100 (44,310/197)	15100 (33,290/148)
		3.0 (10'0")	11855 (38'11")	8745 (28'8")	6600 (21'8")	5430 (17'10")	6505 (21'4")	10380 (34'1")	10550 (34'7")		13200 (29,100/130)
		3.5 (11'6")	12180 (33'10'')	9245 (24'2")	7035 (24'0")	5765 (20'5")	6950 (23'6")	10790 (34'2")	10965 (34'9")	11200 (24,690/110)	
PC240LC-10	5.85 (19'2")	2.0 (6'7")	9665 (31'9")	6715 (22'0")	5825 (19'1")	4750 (15'7")	5585 (18'4")	9070 (29'9")	9270 (30'5")	20100 (44,310/197)	16400 (36,160/161)
		2.5 (8'2")	9790 (32'1")	6860 (22'6")	6320 (20'9")	5130 (16'10")	6100 (20'0")	9480 (31'1")	9670 (31'9")		15100 (33,290/148)
		3.045 (10'0")	10000 (32'10")	7035 (23'1")	6920 (22'8")	6010 (19'9")	6700 (22'0")	10020 (32'10")	10180 (33'5")	17500 (38,580/172)	13200 (29,100/130)
PC240LC-8M0***	5.85 (19'2")	2.5 (8'2")	9790 (32'1")	6860 (22'6")	6320 (20'9")	5130 (16'10")	6100 (20'0")	9480 (31'1")	9670 (31'9")		17500 (38,580/172)
		3.045 (10'0")	10000 (32'10")	7035 (23'1")	6920 (22'8")	6010 (19'9")	6700 (22'0")	10020 (32'10")	10180 (33'5")	13200 (29,100/130)	
PC240LC-8*6	5.85 (19'2")	2.0 (6'7")	9590 (31'6")	6550 (21'6")	5875 (19'3")	4490 (14'9")	5710 (18'9")	9200 (30'2")	9270 (30'5")	20100*3 (44,310/197)	16400 (36,160/161)
		2.5 (8'2")	9845 (32'4")	6850 (22'6")	6340 (20'10")	5025 (16'6")	6120 (20'1")	9500 (31'2")	9685 (31'9")		15100 (33,290/148)
		3.0 (10'0")	10060 (33'0")	7010 (23'0")	6915 (22'8")	5485 (18'0")	6780 (22'3")	10125 (32'3")	10180 (33'5")	13200 (29,100/130)	
PC270-8 PC270LC-8	5.9 (19'2")	2.5 (8'2")	9620 (31'7")	6720 (22'1")	5940 (19'6")	4800 (15'9")	5750 (18'10")	9450 (31'0")	9650 (31'8")	20200 (44,530/198)	17300 (38,140/170)
		3.05 (10'0")	10000 (32'10")	7035 (23'1")	6460 (21'2")	5650 (18'6")	6320 (20'9")	9990 (32'9")	10100 (33'2")		14100 (31,080/138)
		3.50 (11'6")	10130 (33'3")	7200 (23'7")	6940 (22'9")	5930 (19'5")	6790 (22'3")	10390 (34'1")	10570 (34'8")		12800 (28,220/126)
PC270-8***	5.85 (19'2")	2.5 (8'2")	9760 (32'0")	6830 (22'5")	5960 (19'7")	4800 (15'9")	5770 (18'11")	9510 (31'2")	9700 (31'10")	20200 (44,530/198)	17300 (38,140/170)
		3.045 (10'0")	10000 (32'10")	7060 (23'2")	6500 (21'4")	5610 (18'5")	6340 (20'10")	10000 (32'10")	10190 (33'5")		14100 (31,080/138)
PC290LC-11 PC290LC-11*	6.15 (20'2")	3.2 (10'6")	10300 (33'10")	7375 (24'2")	6910 (22'8")	5790 (19'0")	6750 (22'2")	10450 (34'3")	10710 (35'2")	20200 (44,530/198)	13600 (29,980/134)
		3.5 (11'6")	10355 (34'0")	7435 (24'5")	7220 (23'8")	5850 (19'2")	7070 (23'2")	10715 (35'2")	10890 (35'9")		12800 (28,220/125)

* : USA source
 ** : UK source
 *** : China source
 *4 : India source
 *5 : Thailand source

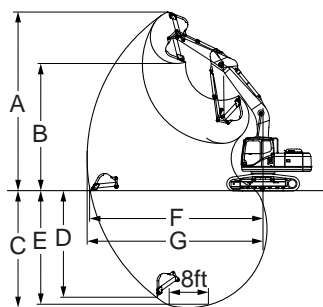
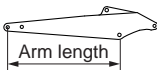
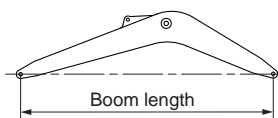
*6 : Brazil source
 *7 : Russia source
 *8 : Indonesia source
 *9 : Italy source
 *10 : for USA

*11 : for UK
 *12 : for Russia

*1 : Using Power Max. function and ISO rating
 *2 : Normal digging force
 *3 : Optional bucket cylinder is required.

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



FVBH0312

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
PC290LC-11** PC290NLC-11**	6.15 (20'2")	2.0 (6'7")	9780 (32'1")	6830 (22'5")	5720 (18'9")	3910 (12'10")	5500 (18'1")	9370 (30'9")	9570 (31'5")	23100 (50,930/226)	18800 (41,450/184)
		2.65 (8'2")	9985 (32'9")	7040 (23'1")	6360 (20'10")	5365 (17'7")	6175 (20'3")	9905 (32'6")	10095 (33'1")		20200 (44,530/198)
		3.2 (10'6")	10345 (33'11")	7370 (24'2")	6915 (22'8")	6135 (20'2")	6755 (22'2")	10455 (34'4")	10635 (34'11")	20200 (44,530/198)	
		3.5 (11'6")	10355 (34'0")	7435 (24'5")	7220 (23'8")	5110 (16'9")	7070 (23'2")	10715 (35'2")	10890 (35'9")		20200 (44,530/198)
PC290LC-10	5.85 (19'2")	2.5 (8'2")	9620 (31'7")	6720 (22'1")	5940 (19'6")	4800 (15'9")	5750 (18'10")	9450 (31'0")	9650 (31'8")	20200 (44,530/198)	
		3.045 (10'0")	10000 (32'10")	7035 (23'1")	6460 (21'2")	5650 (18'6")	6320 (20'9")	9990 (32'9")	10100 (33'2")		20200 (44,530/198)
		3.5 (11'6")	10130 (33'3")	7200 (23'7")	6940 (22'9")	5930 (19'5")	6790 (22'3")	10390 (34'1")	10570 (34'8")	20200 (44,530/198)	
		2.5 (8'2")	9620 (31'7")	6720 (22'1")	5940 (19'6")	4800 (15'9")	5750 (18'10")	9450 (31'0")	9650 (31'8")		20200 (44,530/198)
PC290LC-8	5.85 (19'2")	3.045 (10'0")	10000 (32'10")	7035 (23'1")	6460 (21'2")	5650 (18'6")	6320 (20'9")	9990 (32'9")	10100 (33'2")	20200 (44,530/198)	
		3.5 (11'6")	10130 (33'3")	7200 (23'7")	6940 (22'9")	5930 (19'5")	6790 (22'3")	10390 (34'1")	10570 (34'8")		20200 (44,530/198)
		2.22 (7'3")	9460 (31'0")	6520 (21'5")	6400 (21'0")	4890 (16'1")	6130 (20'1")	9910 (32'6")	10120 (33'2")	26400*3 (58,200/259)	
		2.55 (8'4")	9965 (32'8")	6895 (22'7")	6750 (22'2")	5880 (19'4")	6520 (21'5")	10355 (34'0")	10550 (34'7")		26400*3 (58,200/259)
PC300-8 PC300LC-8 PC300-8M0*5 PC300LC-8M0 PC300-8M0** PC300LC-8M0** PC300-8M0*7 PC300LC-8M0*7	6.47 (21'3")	3.185 (10'5")	10100 (33'2")	7050 (23'4")	7380 (24'3")	6400 (21'0")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23100 (50,930/227)	
		4.02 (13'2")	10550 (34'7")	7490 (24'7")	8200 (26'11")	7280 (23'11")	8045 (26'5")	11730 (38'6")	11900 (39'1")		23100 (50,930/227)
		2.6 (8'6")	9525 (32'8")	6575 (22'7")	6310 (22'2")	5625 (19'3")	6115 (21'5")	9860 (34'0")	10065 (34'7")	26400*3 (58,200/259)	
		2.535 (8'4")	9965 (32'8")	6895 (22'7")	6750 (22'2")	5880 (19'3")	6520 (21'5")	10355 (34'0")	10550 (34'7")		26400*3 (58,200/259)
PC300-8M0***	6.47 (21'3")	3.18 (10'5")	10100 (33'2")	7050 (23'4")	7380 (24'3")	6400 (21'0")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23100 (50,930/227)	
		2.22 (7'3")	9580 (31'5")	6595 (21'8")	6355 (20'10")	5120 (16'10")	6130 (20'1")	9950 (32'8")	10155 (33'4")		26400*3 (58,200/256)
		3.185 (10'6")	10210 (33'6")	7110 (23'4")	7380 (24'3")	6480 (21'3")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23200 (51,150/228)	
		3.045 (10'0")	10000 (32'10")	7035 (23'1")	6460 (21'2")	5650 (18'6")	6320 (20'9")	10060 (33'0")	10210 (33'6")		20200 (44,150/228)
PC308USLC-3E0	5.85 (19'2")	3.5 (11'6")	10130 (33'3")	7200 (23'7")	6940 (22'9")	5930 (19'5")	6790 (22'3")	10460 (34'3")	10640 (34'11")	20200 (44,150/228)	
		4.2 (13'9")	10730 (35'2")	7985 (26'2")	7560 (24'9")	6920 (22'8")	7430 (24'4")	11185 (36'8")	11540 (37'10")		20200 (44,150/228)
		3.185 (10'5")	10100 (33'2")	7050 (23'2")	7380 (24'3")	6400 (21'0")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23200 (51,530/198)	
		2.2 (7'3")	8995 (29'6")	6200 (20'4")	5955 (19'6")	4640 (15'3")	5705 (18'9")	9410 (30'10")	9620 (31'7")		26400 (58,200/259)
PC350-8M0 (SE spec) PC350LC-8M0 (SE spec)	6.0 (19'8")	2.55 (8'4")	9525 (31'3")	6575 (21'7")	6310 (20'8")	5625 (18'5")	6115 (21'1")	9860 (32'4")	10065 (33'0")	26400 (58,200/259)	
		3.185 (10'5")	10100 (33'2")	7050 (23'2")	7380 (24'3")	6400 (21'0")	7180 (23'7")	10920 (35'10")	11100 (36'5")		23200 (51,150/228)
		2.2 (7'3")	8995 (29'6")	6200 (20'4")	5955 (19'6")	4640 (15'3")	5705 (18'9")	9410 (30'10")	9620 (31'7")	26400 (58,200/259)	
		2.55 (8'4")	9525 (31'3")	6575 (21'7")	6310 (20'8")	5625 (18'5")	6115 (21'1")	9860 (32'4")	10065 (33'0")		26400 (58,200/259)
PC350-8M0** (SE spec) PC350LC-8M0** (SE spec)	6.0 (19'8")	2.2 (7'3")	9580 (31'5")	6595 (21'8")	6355 (20'10")	5120 (16'10")	6130 (20'1")	9950 (32'8")	10155 (33'4")	27100*3 (59,150/266)	
		2.55 (8'4")	10025 (32'11")	6930 (22'9")	6710 (22'0")	5880 (19'4")	6530 (21'5")	10300 (33'10")	10535 (34'7")		27100*3 (59,150/266)
		3.185 (10'5")	10210 (33'6")	7110 (23'4")	7380 (24'3")	6480 (21'3")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23100 (50,930/227)	
		4.02 (13'2")	10550 (34'7")	7490 (24'7")	8180 (26'10")	7280 (23'11")	8045 (26'5")	11730 (38'6")	11900 (39'1")		23100 (50,930/227)

*: USA source
 **: UK source
 ***: China source
 *4: India source
 *5: Thailand source

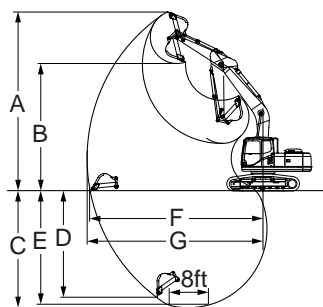
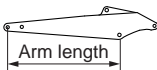
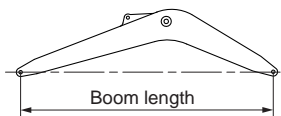
*6: Brazil source
 *7: Russia source
 *8: Indonesia source
 *9: Italy source
 *10: for USA

*11: for UK
 *12: for Russia

*1: Using Power Max. function and ISO rating
 *2: Normal digging force
 *3: Optional bucket cylinder is required.

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



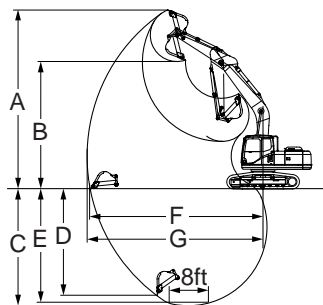
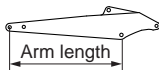
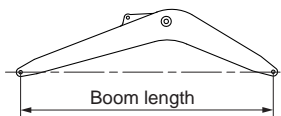
FVBH0312

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
PC460LC-8***	7.06 (23'2")	3.38 (11'1")	10925 (35'10")	7625 (25'0")	7790 (25'7")	6800 (21'8")	7650 (25'1")	11800 (38'9")	12005 (39'5")	28300 (62,390/278)	23800 (52,470/233)
PC460LC-8*** (SE spec)	6.67 (21'2")	2.9 (9'6")	9980 (32'9")	7010 (23'0")	6900 (22'6")	3865 (12'8")	6730 (22'1")	10805 (35'5")	11030 (36'2")	30120 (66400/295)	26300 (57,980/258)
PC490LC-11 PC490LC-11*	7.06 (23'2")	2.9 (9'6")	10350 (34'0")	7145 (23'5")	7280 (23'11")	5635 (18'6")	7090 (23'3")	11230 (36'10")	11445 (37'7")	28000 (61,730/275)	26200 (57,760/257)
		3.38 (11'1")	10980 (36'0")	7630 (25'0")	7755 (25'5")	6805 (22'4")	7615 (25'0")	11810 (38'9")	12030 (39'6")		21800 (48,060/214)
		4.0 (13'1")	11090 (36'5")	7780 (25'6")	8380 (27'6")	7220 (23'8")	8250 (27'0")	12365 (40'7")	12565 (41'3")		19400 (42,770/190)
		4.8 (15'9")	11550 (37'11")	8210 (26'11")	9190 (30'2")	8085 (26'6")	9080 (29'10")	13180 (43'3")	13365 (43'10")		17000 (37,500/167)
		2.4 (7'10")	10375 (34'0")	7135 (23'5")	6780 (22'3")	5240 (17'2")	6585 (21'7")	10840 (35'7")	11080 (36'4")		25900 (57,100/254)
PC490-11** PC490LC-11**	7.1 (23'4")	2.9 (9'6")	10350 (34'0")	7145 (23'5")	7280 (23'11")	5635 (18'6")	7090 (23'3")	11215 (36'10")	11445 (37'7")	28000 (61,730/275)	26200 (57,760/257)
		3.4 (11'1")	10980 (36'0")	7630 (25'0")	7755 (25'5")	6805 (22'4")	7615 (25'0")	11810 (38'9")	12030 (39'6")		21800 (48,060/214)
		4.0 (13'1")	11090 (36'5")	7780 (25'6")	8380 (27'6")	7220 (23'8")	8250 (27'0")	12355 (40'6")	12565 (41'3")		19400 (42,770/190)
		4.8 (15'9")	11550 (37'11")	8210 (26'11")	9190 (30'2")	8085 (26'6")	9080 (29'10")	13170 (43'3")	13365 (43'10")		17000 (37,500/167)
		2.4 (7'10")	10510 (34'6")	7075 (23'3")	6365 (20'11")	4365 (14'4")	5630 (18'6")	10360 (34'0")	10605 (34'10")		25900 (57,100/254)
		2.9 (9'6")	10550 (34'7")	7115 (23'4")	6865 (22'6")	4950 (16'3")	6710 (22'0")	10750 (36'0")	10985 (37'7")		26200 (57,760/257)
PC490LC-10	7.06 (23'2")	3.38 (11'1")	10980 (36'0")	7630 (25'0")	7755 (25'5")	6805 (22'4")	7615 (25'0")	11810 (38'9")	12030 (39'6")	28000 (61,730/275)	21800 (48,060/214)
PC500LC-10M0 PC500LC-10R	7.06 (23'2")	3.38 (11'1")	10885 (35'9")	7650 (25'1")	7695 (25'3")	6335 (20'9")	7560 (24'10")	11760 (38'7")	11985 (39'4")	30900 (68,120/303)	23900 (52,690/235)
PC500LC-10M0 (SE spec.) PC500LC-10R (SE spec.)	6.67 (21'11")	2.4 (7'10")	10200 (33'6")	6675 (21'11")	6640 (21'9")	2495 (8'2")	6480 (21'3")	10720 (35'2")	10945 (35'11")	34600 (76,280/339)	27800 (60,850/273)
PC500LC-8 PC500LC-8R	7.06 (23'2")	3.38 (11'1")	11145 (36'7")	7505 (24'7")	7910 (25'11")	4580 (15'0")	7770 (25'6")	11975 (39'3")	12195 (40'0")	28300 (62,390/278)	23800 (52,470/233)
PC500LC-8 (SE spec.) PC500LC-8R (SE spec.)	6.67 (21'11")	2.4 (7'10")	9220 (30'3")	6075 (19'11")	6540 (21'5")	2000 (6'7")	6370 (20'11")	10700 (35'1")	10950 (35'11")	31400 (69,220/308)	27400 (60,410/269)
PC550LC-8	6.67 (21'11")	2.4 (7'10")	10300 (33'10")	6760 (22'2")	6595 (21'8")	4470 (14'8")	6420 (21'1")	10720 (35'2")	10975 (36'0")	32600 (71,870/320)	27600 (60,850/271)
PC600-8E0 PC600LC-8E0 PC600-8R1 PC600LC-8R1	7.7 (25'2")	3.5 (11'6")	11880 (39'0")	7960 (26'1")	8490 (27'10")	7510 (24'8")	8360 (27'5")	12800 (42'0")	13020 (42'9")	32300 (71,210/317)	25100 (55,340/246)
		4.3 (14'1")	12180 (40'0")	8245 (27'1")	9275 (30'5")	8375 (27'6")	9175 (30'1")	13555 (44'6")	13740 (45'1")		22200 (48,940/218)
		5.2 (17'1")	12560 (41'3")	8600 (28'3")	10225 (33'7")	9275 (30'5")	10125 (33'3")	14435 (47'4")	14630 (48'0")		19300 (42,550/189)
		3.5 (11'6")	11475 (37'8")	7650 (25'1")	8165 (26'9")	6660 (21'10")	8030 (26'4")	12385 (40'8")	12615 (41'5")		25100 (55,340/246)
		2.9 (9'6")	11140 (36'7")	7210 (23'8")	7060 (23'2")	5630 (18'6")	6910 (22'8")	11300 (37'1")	11550 (37'11")		36900 (81,350/362)
PC650LC-11*10	7.66 (25'2")	3.5 (11'6")	11880 (39'0")	7960 (26'1")	8490 (27'10")	7510 (24'8")	8360 (27'5")	12800 (42'0")	13020 (42'9")	32300 (71,210/317)	25100 (55,340/246)
		4.3 (14'1")	12180 (40'0")	8245 (27'1")	9275 (30'5")	8375 (27'6")	9175 (30'1")	13555 (44'6")	13740 (45'1")		22200 (48,940/218)
		5.2 (17'1")	12560 (41'3")	8600 (28'3")	10225 (33'7")	9275 (30'5")	10125 (33'3")	14435 (47'4")	14630 (48'0")		19300 (42,550/189)
PC650LC-8M0***	7.28 (23'11")	3.48 (11'5")	11475 (37'8")	7650 (25'1")	8165 (26'9")	6660 (21'10")	8030 (26'4")	12385 (40'8")	12615 (41'5")	32300 (71,210/317)	25100 (55,340/246)
PC650LC-8M0*** (SE spec)	6.6 (21'8")	2.9 (9'6")	11150 (36'7")	7210 (23'8")	7060 (23'2")	5620 (18'5")	6910 (22'8")	11300 (37'1")	11550 (37'11")	36900 (81,350/362)	29900 (65,920/293)

* : USA source *6 : Brazil source *11 : for UK
** : UK source *7 : Russia source *12 : for Russia
*** : China source *8 : Indonesia source
*4 : India source *9 : Italy source
*5 : Thailand source *10 : for USA
*1 : Using Power Max. function and ISO rating
*2 : Normal digging force
*3 : Optional bucket cylinder is required.

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)



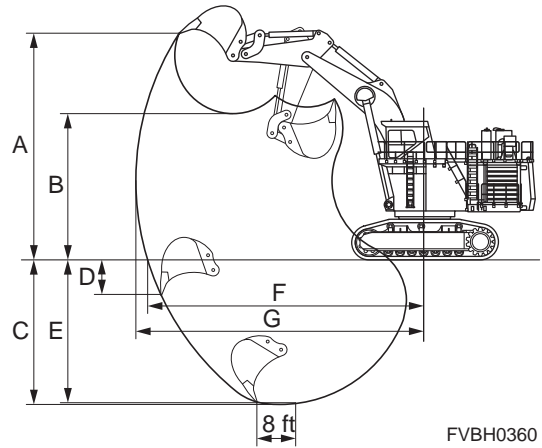
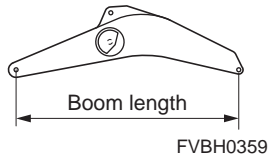
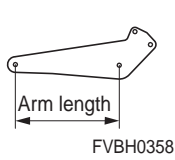
FVBH0312

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force*1 kg (lb/kN)	Arm crowd force*1 kg (lb/kN)
HB205-1M0	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
HB215LC-1M0	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
HB205-1M0**	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
HB215LC-1M0**	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
HB215LC-3	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
HB215LC-2	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
HB215LC-2*	5.7 (18'8")	2.925 (9'7")	10000 (32'10")	7110 (23'4")	6620 (21'9")	5980 (19'7")	6370 (20'11")	9700 (31'10")	9875 (32'5")	15200 (33,510/149)	11000 (24,250/108)
HB335LC-1	6.47 (21'3")	2.22 (7'3")	9460 (31'0")	6520 (21'5")	6400 (21'0")	4890 (16'1")	6130 (20'1")	9910 (32'6")	10120 (33'2")	26400 (58,200/259)	24000 (52,910/235)
		2.55 (8'4")	9965 (32'8")	6895 (22'7")	6750 (21'7")	5880 (19'3")	6520 (21'5")	10355 (34'0")	10550 (34'7")		20500 (45,190/201)
		3.185 (10'5")	10100 (33'6")	7050 (23'4")	7380 (24'3")	6400 (21'3")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23100 (50,930/227)	17400 (38,360/171)
		4.02 (13'2")	10550 (34'7")	7490 (24'7")	8200 (26'11")	7280 (23'11")	8045 (26'5")	11730 (38'6")	11900 (39'1")		14700 (38,360/171)
HB365LC-3	6.47 (21'3")	3.185 (10'5")	10210 (33'6")	7110 (23'4")	7380 (24'3")	6480 (21'3")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23100 (50,930/227)	17400 (38,360/171)
HB365LC-3* HB365NLC-3*	6.47 (21'3")	2.2 (7'3")	9580 (31'5")	6595 (21'8")	6355 (20'10")	5120 (16'10")	6130 (20'1")	9950 (32'8")	10155 (33'4")	26400*3 (58,200/259)	24000 (52,910/235)
		2.6 (8'6")	9965 (32'8")	6895 (22'7")	6705 (22'0")	5880 (19'3")	6520 (21'5")	10355 (34'0")	10550 (34'7")		20500 (45,190/201)
		3.2 (10'6")	10210 (33'6")	7110 (23'4")	7380 (24'3")	6480 (21'3")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23200 (51,150/228)	17400 (38,360/171)
		4.0 (13'1")	10550 (34'7")	7490 (24'7")	8180 (26'10")	7280 (23'11")	8045 (26'5")	11730 (38'6")	11900 (39'1")	23100 (50,930/227)	14700 (32,410/144)
HB365LC-1	6.47 (21'3")	3.185 (10'5")	10210 (33'6")	7110 (23'4")	7380 (24'3")	6480 (21'3")	7180 (23'7")	10920 (35'10")	11100 (36'5")	23200 (51,150/228)	17400 (38,360/171)
HB365LC-1 (SE spec)	6.0 (19'8")	2.22 (7'3")	9460 (29'6")	6520 (20'4")	6400 (19'6")	4890 (15'3")	6130 (18'9")	9910 (30'10")	10120 (31'7")	26400 (58,200/259)	24000 (52,910/235)
		2.55 (8'4")	9965 (31'3")	6895 (21'7")	6750 (20'8")	5880 (19'4")	6520 (21'1")	10355 (32'4")	10550 (33'0")		20500 (45,190/201)

* : UK source
** : China source

Working Ranges and Digging Forces

EXCAVATORS (BACKHOE)

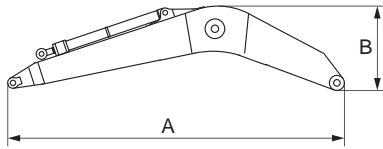


	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Bucket digging force* ton (US ton/kN)	Arm crowd force* ton (US ton/kN)
PC3000-6 PC3000E-6	8.6 (28'3")	4.0 (13'1")	14100 (46'3")	9000 (29'6")	7900 (25'11")	3200 (10'6")	7800 (25'7")	15600 (51'2")	16200 (53'2")	90.8 (100/890)	82.7 (91.2/811)
PC4000-6 PC4000E-6	9.75 (32'0")	4.5 (14'9")	15000 (49'3")	9700 (31'10")	8000 (26'3")	3000 (9'10")	7900 (25'11")	16650 (54'8")	17500 (57'5")	126.3 (139.3/1239)	107.9 (118.9/1058)
PC4000-11	9.75 (32'0")	4.5 (14'9")	15000 (49'3")	9700 (31'10")	8000 (26'3")	3000 (9'10")	7900 (25'11")	16650 (54'8")	17500 (57'5")	126.3 (139.3/1239)	107.9 (118.9/1058)
PC5500-6 PC5500E-6	11.0 (36'1")	5.1 (16'9")	15500 (50'10")	10100 (33'2")	8300 (27'3")	3000 (9'10")	8200 (26'11")	18700 (61'4")	19800 (65'0")	154.6 (170.4/1516)	135.2 (149.0/1326)
PC7000-6 PC7000E-6	11.0 (36'1")	5.1 (16'9")	17100 (56'1")	11000 (36'1")	8600 (28'3")	3000 (9'10")	8200 (26'11")	19600 (64'4")	20500 (67'3")	170.4 (187.8/1671)	153.9 (169.6/1509)
PC8000-6 PC8000E-6	11.5 (37'9")	5.5 (18'1")	16900 (55'5")	11200 (36'9")	8000 (26'3")	2500 (8'2")	7900 (25'11")	19600 (64'4")	20700 (67'11")	211.8 (233.5/2077)	184.9 (203.8/1813)

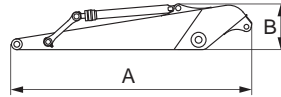
Component Dimensions and Weights

EXCAVATORS (BACKHOE)

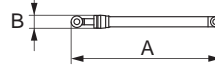
Boom with arm cylinder



Arm with bucket cylinder

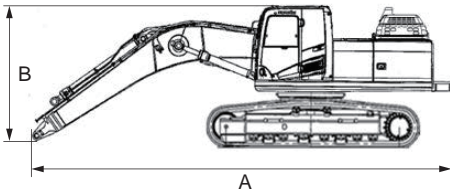


Boom cylinder



Two-part transposition

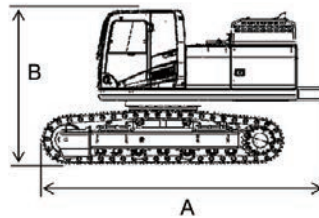
Base machine



with boom and without counterweight

Three-part transposition

Base machine



C: width
without boom and counterweight

FVBH0173

Item	Model		PC300-8 PC300-8M0	PC350-8 PC350-8M0	PC360-11	PC360-10
	Basic machine	A	mm (ft.in)	9700 (31'10")	9700 (31'10")	9670 (31'9")
B		mm (ft.in)	3145 (10'4")	3145 (10'4")	3155 (10'4")	3160 (10'4")
C		mm (ft.in)	3190 (10'6")	3190 (10'6")	3440 (11'3")	3290 (10'10")
Weight		STD LC	kg (lb)	21980 (48,460)**	21880 (48,240)**	—
Boom with arm cylinder	A	mm (ft.in)	—	—	—	—
	B	mm (ft.in)	—	—	—	—
	C	mm (ft.in)	—	—	—	—
	Weight	kg (lb)	—	—	—	—
Arm with bucket cylinder and linkage	Arm size	m (ft.in)	2.22 (7'4")	3.19 (10'6")	3.19 (10'6")	3.19 (10'6")
	A	mm (ft.in)	3455 (11'4")	4380 (14'4")	4380 (14'4")	4380 (14'4")
	B	mm (ft.in)	1150 (3'9")	990 (3'3")	960 (3'2")	960 (3'2")
	C	mm (ft.in)	—	—	600 (12'0")	600 (12'0")
	Weight	kg (lb)	1705 (3,760)	1805 (3,980)	1700 (3,750)	1700 (3,750)
	Arm size	m (ft.in)	2.55 (8'4")	—	—	—
	A	mm (ft.in)	3735 (12'3")	—	—	—
	B	mm (ft.in)	1040 (3'5")	—	—	—
	C	mm (ft.in)	—	—	—	—
	Weight	kg (lb)	1650 (3,640)	—	—	—
	Arm size	m (ft.in)	3.19 (10'6")	—	—	—
	A	mm (ft.in)	4380 (14'4")	—	—	—
	B	mm (ft.in)	955 (3'2")	—	—	—
	C	mm (ft.in)	—	—	—	—
	Weight	kg (lb)	1700 (3,750)	—	—	—
	Arm size	m (ft.in)	4.02 (13'2")	—	—	—
A	mm (ft.in)	5205 (17'1")	—	—	—	
B	mm (ft.in)	945 (3'1")	—	—	—	
C	mm (ft.in)	—	—	—	—	
Weight	kg (lb)	1980 (4,365)	—	—	—	
Boom cylinder (Total weight)	A	mm (ft.in)	—	—	—	—
	B	mm (ft.in)	—	—	—	—
	Weight	kg (lb)	—	—	—	—
Counterweight	A	mm (ft.in)	2995 (9'10")	2995 (9'10")	3000 (9'10")	3000 (9'10")
	B	mm (ft.in)	1120 (3'8")	1120 (3'8")	1165 (3'10")	1165 (3'10")
	C	mm (ft.in)	670 (2'2")	670 (2'2")	610 (2'0")	610 (2'0")
	Weight	kg (lb)	5480 (12,080)	6380 (14,070)	6920 (15,260)	7090 (15,630)
Backhoe bucket	See bucket arm combination					

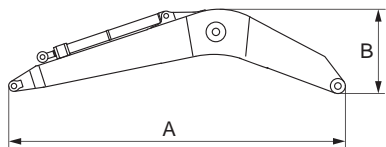
* : Without counterweight

** : With boom and boom cylinders, without counterweight

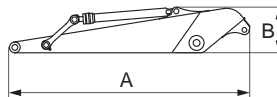
Component Dimensions and Weights

EXCAVATORS (BACKHOE)

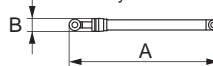
Boom with arm cylinder



Arm with bucket cylinder

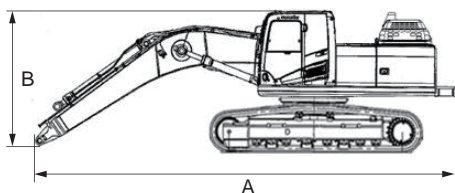


Boom cylinder



Two-part transportation

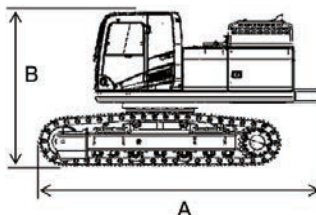
Base machine



with boom and without counterweight

Three-part transportation

Base machine



C: width
without boom and counterweight

FVBH0173

Item			Model		PC390-8M0	PC400-8 PC400-8R	PC450-8 PC450-8R	PC490-11
Basic machine	A	mm (ft.in)	5920 (19'5")	5850 (19'2")	5850 (19'2")	6050 (19'10")		
	B	mm (ft.in)	3315 (10'11")	3285 (10'9")	3285 (10'9")	3360 (11'0")		
	C	mm (ft.in)	3490 (11'5")	3090 (10'2")	3165 (10'5")	3150 (10'4")		
Weight	STD	kg (lb)	—	25450 (54,100)*	25120 (55,380)*	—		
	LC	kg (lb)	26965 (59,450)*	25540 (56,310)*	26120 (57,580)*	28930 (63,780)*		
Boom with arm cylinder	A	mm (ft.in)	6210 (20'5")	7290 (23'11")	7290 (23'11")	7290 (23'11")		
	B	mm (ft.in)	1830 (6'0")	1695 (5'7")	1695 (5'7")	1725 (5'8")		
	C	mm (ft.in)	776 (2'7")	—	—	780 (2'7")		
Weight	kg (lb)	2900 (6,390)	4000 (8,820)	4200 (9,260)	4230 (9,325)			
Arm with bucket cylinder and linkage	Arm size	m (ft.in)	2.2 (7'3")	2.4 (7'10")	3.38 (11'1")	3.38 (11'1")		
	A	mm (ft.in)	3455 (11'4")	3705 (12'2")	4705 (15'5")	4610 (15'2")		
	B	mm (ft.in)	1180 (3'10")	1080 (3'7")	975 (3'2")	955 (3'2")		
	C	mm (ft.in)	600 (12'0")	600 (12'0")	600 (12'0")	675 (2'3")		
	Weight	kg (lb)	1809 (3,990)	2030 (4,480)	2400 (5,290)	2210 (4,870)		
	Arm size	m (ft.in)	2.55 (8'4")	2.9 (9'6")	—	—		
	A	mm (ft.in)	3735 (12'3")	4215 (13'10")	—	—		
	B	mm (ft.in)	1080 (3'7")	995 (3'4")	—	—		
	C	mm (ft.in)	600 (12'0")	600 (12'0")	—	—		
	Weight	kg (lb)	1843 (4,063)	2150 (4,740)	—	—		
	Arm size	m (ft.in)	—	3.38 (11'1")	—	—		
	A	mm (ft.in)	—	4615 (15'2")	—	—		
	B	mm (ft.in)	—	975 (3'2")	—	—		
	C	mm (ft.in)	—	600 (12'0")	—	—		
	Weight	kg (lb)	—	2200 (4,850)	—	—		
Arm size	m (ft.in)	—	4.0 (13'1")	—	—			
A	mm (ft.in)	—	5235 (17'2")	—	—			
B	mm (ft.in)	—	965 (3'2")	—	—			
C	mm (ft.in)	—	600 (12'0")	—	—			
Weight	kg (lb)	—	2440 (5,380)	—	—			
Boom cylinder (Total weight)	A	mm (ft.in)	2215 (7'3")	2445 (8'1")	2445 (8'1")	2445 (8'1")		
	B	mm (ft.in)	415 (1'4")	225 (8.9")	225 (8.9")	225 (8.9")		
	Weight	kg (lb)	265 × 2 (584 × 2)	400 × 2 (880 × 2)	400 × 2 (880 × 2)	365 × 2 (805 × 2)		
Counterweight	A	mm (ft.in)	2995 (9'10")	2995 (9'10")	2995 (9'10")	3000 (9'10")		
	B	mm (ft.in)	1010 (3'4")	1145 (3'9")	1145 (3'9")	1165 (3'10")		
	C	mm (ft.in)	670 (2'2")	970 (3'2")	970 (3'2")	850 (2'9")		
	Weight	kg (lb)	6460 (14,240)	9200 (20,280)	9200 (20,280)	9570 (21,100)		
Backhoe bucket					See bucket arm combination			

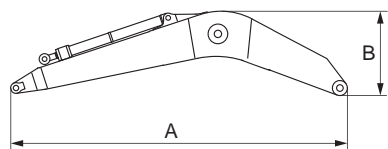
* : Without counterweight

** : With boom and boom cylinders, without counterweight

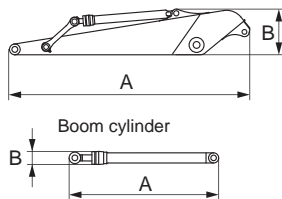
Component Dimensions and Weights

EXCAVATORS (BACKHOE)

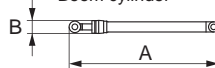
Boom with arm cylinder



Arm with bucket cylinder

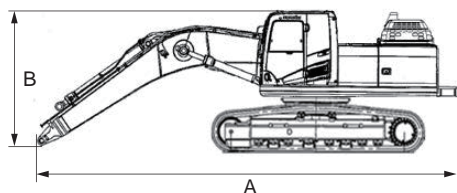


Boom cylinder



Two-part transportation

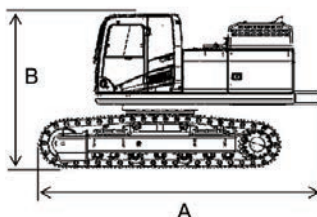
Base machine



with boom and without counterweight

Three-part transportation

Base machine



C: width
without boom and counterweight

FVBH0173

Item			Model	PC490-10	PC500-10M0 PC500-10R	PC500-10M0 (SE) PC500-10R (SE)	PC500-8 PC500-8R
Basic machine	A	mm (ft.in)	6050 (19'10")	6070 (19'11")	6070 (19'11")	6050 (19'10")	
	B	mm (ft.in)	3350 (11'0)	3350 (11'0)	3350 (11'0)	3350 (11'0)	
	C	mm (ft.in)	3150 (10'4")	3460 (11'4")	3460 (11'4")	3340 (11'0")	
Weight	STD	kg (lb)	—	—	—	—	
	LC	kg (lb)	28130 (62,020)*	27300 (60,190)*	27300 (60,190)*	27745 (61,170)*	
Boom with arm cylinder	A	mm (ft.in)	7290 (23'11)	7320 (24'0)	6290 (20'8")	7290 (23'11)	
	B	mm (ft.in)	1725 (5'8")	1990 (6'6")	1880 (6'2")	1760 (5'9")	
	C	mm (ft.in)	780 (2'7")	790 (2'7")	790 (2'7")	780 (2'7")	
Weight	kg (lb)	4230 (9,325)	4600 (10,140)	4525 (9,980)	4220 (9,300)		
Arm with bucket cylinder and linkage	Arm size	m (ft.in)	3.38 (11'1")	3.38 (11'1")	2.4 (7'10")	3.38 (11'1")	
	A	mm (ft.in)	4610 (15'2")	5530 (15'2")	3695 (12'1")	4705 (15'5")	
	B	mm (ft.in)	955 (3'2")	1200 (3'11")	1330 (4'4")	1065 (3'6")	
	C	mm (ft.in)	675 (2'3")	720 (2'4")	720 (2'4")	635 (2'1")	
	Weight	kg (lb)	2210 (4,870)	2775 (6,120)	2690 (5,930)	2460 (5,420)	
	Arm size	m (ft.in)	—	—	—	—	
	A	mm (ft.in)	—	—	—	—	
	B	mm (ft.in)	—	—	—	—	
	C	mm (ft.in)	—	—	—	—	
	Weight	kg (lb)	—	—	—	—	
	Arm size	m (ft.in)	—	—	—	—	
	A	mm (ft.in)	—	—	—	—	
	B	mm (ft.in)	—	—	—	—	
	C	mm (ft.in)	—	—	—	—	
	Weight	kg (lb)	—	—	—	—	
Boom cylinder (Total weight)	A	mm (ft.in)	2445 (8'1")	—	—	2445 (8'1")	
	B	mm (ft.in)	225 (8.9")	—	—	230 (9.0")	
	Weight	kg (lb)	365 × 2 (805 × 2)	422 × 2 (930 × 2)	422 × 2 (930 × 2)	354 × 2 (780 × 2)	
Counterweight	A	mm (ft.in)	3000 (9'10")	3030 (9'11")	3030 (9'11")	2995 (9'10")	
	B	mm (ft.in)	1165 (3'10")	1300 (4'3")	1300 (4'3")	1030 (3'5")	
	C	mm (ft.in)	850 (2'9")	1000 (3'3")	1000 (3'3")	970 (3'2")	
	Weight	kg (lb)	9950 (21,940)	10740 (24,120)	10740 (24,120)	10500 (23,150)	
Backhoe bucket	See bucket arm combination						

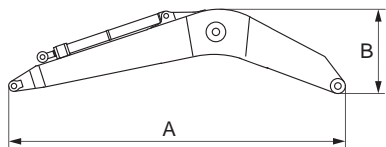
* : Without counterweight

** : With boom and boom cylinders, without counterweight

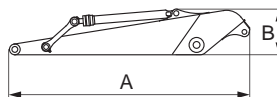
Component Dimensions and Weights

EXCAVATORS (BACKHOE)

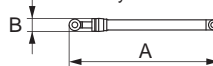
Boom with arm cylinder



Arm with bucket cylinder

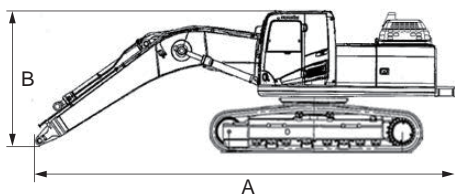


Boom cylinder



Two-part transportation

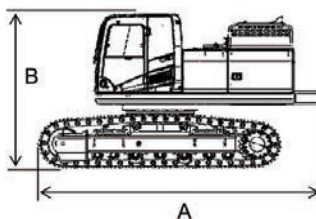
Base machine



with boom and without counterweight

Three-part transportation

Base machine



C: width
without boom and counterweight

FVBH0173

Item	Model		PC500-8 (SE)	PC500-8R (SE)			
Basic machine	A	mm (ft.in)	6050 (19'10")				
	B	mm (ft.in)	3350 (11'0")				
	C	mm (ft.in)	3340 (11'0")				
Weight	STD	kg (lb)	27745 (61,170)*				
	LC	kg (lb)					
Boom with arm cylinder	A	mm (ft.in)	6900 (22'8")				
	B	mm (ft.in)	1670 (5'6")				
	C	mm (ft.in)	780 (2'7")				
Weight		kg (lb)	4030 (8,880)				
Arm with bucket cylinder and linkage	Arm size	m (ft.in)	2.9 (9'6")				
	A	mm (ft.in)	3735 (12'3")				
	B	mm (ft.in)	1205 (3'11")				
	C	mm (ft.in)	635 (2'1")				
	Weight		kg (lb)	2535 (5,590)			
	Arm size	m (ft.in)	—				
	A	mm (ft.in)	—				
	B	mm (ft.in)	—				
	C	mm (ft.in)	—				
	Weight		kg (lb)	—			
	Arm size	m (ft.in)	—				
	A	mm (ft.in)	—				
B	mm (ft.in)	—					
C	mm (ft.in)	—					
Weight		kg (lb)	—				
Boom cylinder (Total weight)	A	mm (ft.in)	2445 (8'1")				
	B	mm (ft.in)	230 (9.0")				
	Weight		kg (lb)	354 × 2 (780 × 2)			
Counterweight	A	mm (ft.in)	2995 (9'10")				
	B	mm (ft.in)	1030 (3'5")				
	C	mm (ft.in)	970 (3'2")				
	Weight		kg (lb)	10500 (23,150)			
Backhoe bucket				See bucket arm combination			

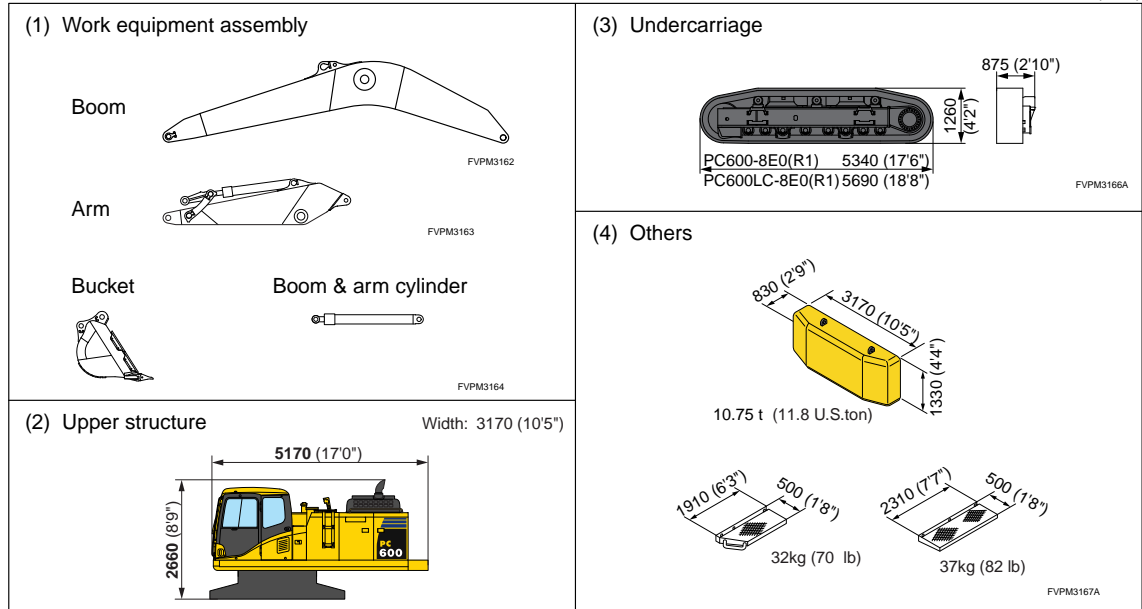
* : Without counterweight

** : With boom and boom cylinders, without counterweight

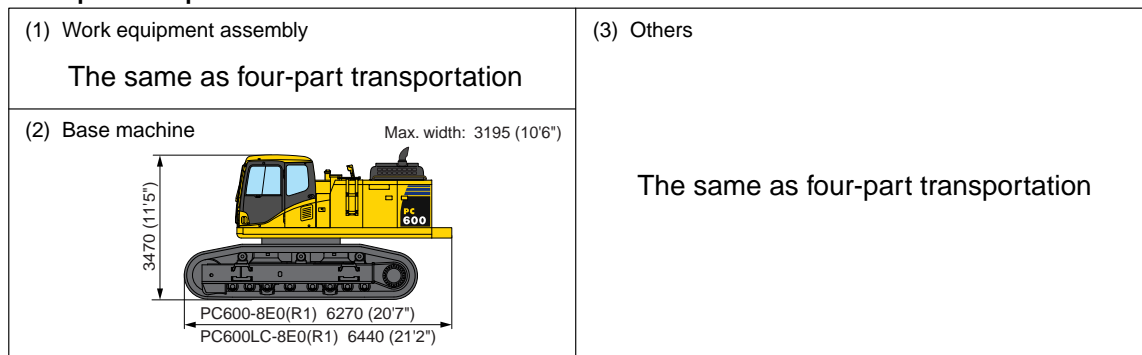
PC600 / 600LC-8E0, PC600/600LC-8R1

Unit: mm (ft.in)

Four-part transportation



Three-part transportation



* KOMTRAX (optional) with an antenna when mounted

Component Dimensions and Weights

EXCAVATORS (BACKHOE)

PC600/600LC-8E0, PC600/600LC-8R1

Specification Table for Transportation

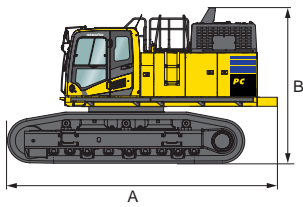
No. of Part for Transportation		Item		Related Specifications		PC600-8E0(R1)	PC600-8E0(R1) (Quarry spec.)	PC600LC-8E0(R1)	PC600-8E0(R1) (SE spec.)	
Four-part	(1)	Work Equipment	Boom	Overall length	mm (fi.in)	7920 (26'0")	7530 (24'8")	7920 (26'0")	6870 (22'6")	
				Overall width	mm (fi.in)	1190 (3'11")	1190 (3'11")	1190 (3'11")	1190 (3'11")	
				Overall height	mm (fi.in)	2040 (6'8")	1960 (6'5")	2040 (6'8")	2090 (6'10")	
				Weight	ton (US. ton)	4.9 (5.4)	4.7 (5.2)	4.9 (5.4)	4.8 (5.3)	
			Arm	Overall length	mm (fi.in)	4870 (16'0")	4870 (16'0")	4870 (16'0")	4230 (13'11")	
				Overall width	mm (fi.in)	650 (2'2")	650 (2'2")	650 (2'2")	650 (2'2")	
				Overall height	mm (fi.in)	1210 (4'0")	1240 (4'1")	1210 (4'0")	1490 (4'11")	
				Weight	ton (US. ton)	3.3 (3.6)	3.3 (3.6)	3.3 (3.6)	3.5 (3.9)	
			Bucket	Overall length	mm (fi.in)	2150 (7'1")	2150 (7'1")	2150 (7'1")	2150 (7'1")	
				Overall width	mm (fi.in)	1780 (5'10")	1920 (6'4")	1780 (5'10")	2040 (6'8")	
				Overall height	mm (fi.in)	1780 (5'10")	1780 (5'10")	1780 (5'10")	1780 (5'10")	
				Weight	ton (US. ton)	2.5 (2.8)	3.1 (3.4)	2.5 (2.8)	3.4 (3.7)	
		Cylinder	Overall length	mm (fi.in)	3110 (10'2")	3110 (10'2")	3110 (10'2")	3110 (10'2")		
			Weight	ton (US. ton)	1.7 (1.9)	1.7 (1.9)	1.7 (1.9)	1.7 (1.9)		
		(2)	Upper Structure	Overall length	mm (fi.in)	5170 (17'0")	5170 (17'0")	5170 (17'0")	5170 (17'0")	
				Overall width	mm (fi.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")	
	Overall height			mm (fi.in)	2660 (8'8")	2660 (8'8")	2660 (8'8")	2660 (8'8")		
	Weight			ton (US. ton)	18.4 (20.3)	18.5 (20.4)	18.4 (20.3)	18.4 (20.3)		
	(3)	Undercarriage	Overall length	mm (fi.in)	5340 (17'6")	5340 (17'6")	5690 (18'8")	5340 (17'6")		
			Overall width	mm (fi.in)	875 (2'11")	875 (2'11")	875 (2'11")	875 (2'11")		
			Overall height	mm (fi.in)	1260 (4'2")	1260 (4'2")	1260 (4'2")	1260 (4'2")		
			Weight	ton (US. ton)	16.0 (17.6)	16.0 (17.6)	17.0 (18.7)	16.0 (17.6)		
	(4)	Others (Counterweight)	Overall length	mm (fi.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")		
			Overall width	mm (fi.in)	830 (2'9")	830 (2'9")	830 (2'9")	830 (2'9")		
			Overall height	mm (fi.in)	1330 (4'4")	1330 (4'4")	1330 (4'4")	1330 (4'4")		
			Weight	ton (US. ton)	10.75 (11.8)	10.75 (11.8)	10.75 (11.8)	10.75 (11.8)		
	Three-part	(1)	Work Equipment	The same as four-part transportation						
		(2)	Base Machine	Overall length	mm (fi.in)	6270 (20'7")	6270 (20'7")	6440 (21'2")	6270 (20'7")	
Overall width				mm (fi.in)	3195 (10'6")	3195 (10'6")	3195 (10'6")	3195 (10'6")		
Overall height				mm (fi.in)	3470 (11'5")	3470 (11'5")	3470 (11'5")	3470 (11'5")		
Weight				ton (US. ton)	34.4 (37.9)	34.5 (38.0)	35.4 (39.0)	34.4 (37.9)		
(3)	Others (Counterweight)	The same as four-part transportation								

Component Dimensions and Weights

EXCAVATORS (BACKHOE)

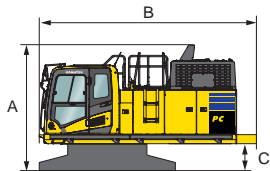
PC650LC-11 (Japan source)

Upper structure + Undercarriage



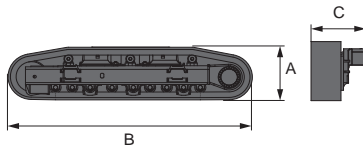
A	mm (ft.in)	6550 (21'6")
B	mm (ft.in)	3800 (12'6")
Overall width	mm (ft.in)	3195 (10'6")
Shoe width	mm (ft.in)	900 (35.4")
Weight	ton (U.S.ton)	40.92 (45.1)

Upper structure



A	mm (ft.in)	3020 (9'11")
B	mm (ft.in)	5170 (17'0")
Overall width	mm (ft.in)	3190 (10'6")
Weight	ton (U.S.ton)	21.5 (23.7)

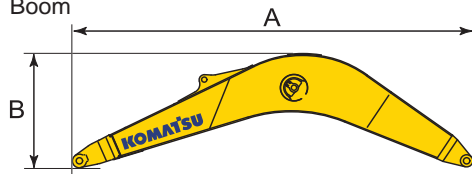
Undercarriage



Quantity		2
A	mm (ft.in)	1280 (4'2")
B	mm (ft.in)	5710 (18'9")
C	mm (ft.in)	1030 (3'5")
Weight	ton (U.S.ton)	19.4 (21.4) { 2 x 9.7 (10.7)}

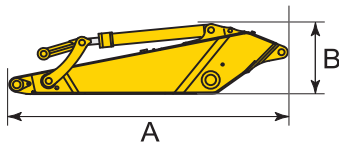
Work equipment

Boom



Boom length	m (ft.in)	6.6 (21'8")	7.3 (23'11")
A	mm (ft.in)	6870 (22'6")	7930 (26'0")
B	mm (ft.in)	2090 (6'10")	2010 (6'7")
Overall width	mm (ft.in)	1050 (3'5")	1050 (3'5")
Weight	ton (U.S.ton)	4.81 (5.3)	4.87 (5.37)

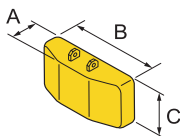
Arm



Arm length	m (ft.in)	2.9 (9'6")	3.5 (11'6")
A	mm (ft.in)	4230 (13'11")	4870 (16'0")
B	mm (ft.in)	1490 (4'11")	1210 (4'0")
Overall width	mm (ft.in)	460 (1'6")	460 (1'6")
Weight	ton (U.S.ton)	3.53 (3.89)	3.74 (4.12)

Arm length	m (ft.in)	4.3 (14'1")	5.2 (17'1")
A	mm (ft.in)	5650 (18'6")	6580 (21'7")
B	mm (ft.in)	1220 (4'0")	1340 (4'5")
Overall width	mm (ft.in)	460 (1'6")	460 (1'6")
Weight	ton (U.S.ton)	3.74 (4.12)	4.16 (4.59)

Counterweight



A	mm (ft.in)	720 (2'4")
B	mm (ft.in)	3190 (10'6")
C	mm (ft.in)	1320 (4'4")
Weight	ton (U.S.ton)	9.35 (10.3)

Cylinders

Boom cylinder

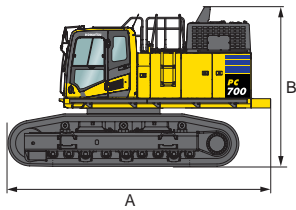
Length	mm (ft.in)	2670 (8'9")
Weight	kg (lb)	1000 (2,200) { 2 x 500 (1100)}

Arm cylinder

Length	mm (ft.in)	3110 (10'2")
Weight	kg (lb)	730 (1,610)

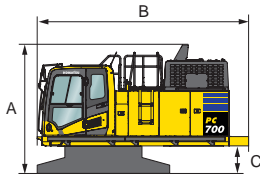
PC700LC-11 (UK source)

Upper structure + Undercarriage



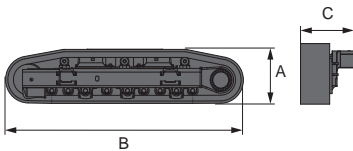
A	mm (ft.in)	6590 (21'7")
B	mm (ft.in)	4020 (13'2")
Overall width	mm (ft.in)	3485 (11'5")
Shoe width	mm (ft.in)	610 (2'4")
Weight	ton (U.S.ton)	43.8 (48.3)

Upper structure



A	mm (ft.in)	3155 (10'4")
B	mm (ft.in)	5290 (17'4")
Overall width	mm (ft.in)	3190 (10'6")
Weight	ton (U.S.ton)	21.8 (24.0)

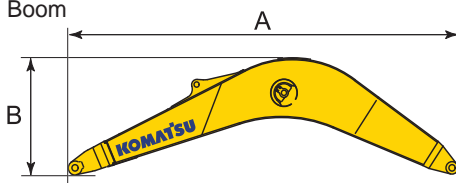
Undercarriage



Quantity		2
A	mm (ft.in)	1440 (4'9")
B	mm (ft.in)	5810 (19'1")
C	mm (ft.in)	980 (3'3")
Weight	ton (U.S.ton)	22.0 (24.25) { 2 x 11.0 (12.1)}

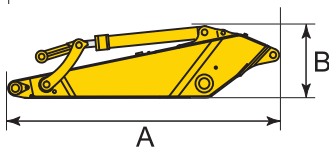
Work equipment

Boom



Boom length	m (ft.in)	6.6 (21'8")	7.3 (23'11")
A	mm (ft.in)	6870 (22'6")	7550 (24'9")
B	mm (ft.in)	2090 (6'10")	2010 (6'7")
Overall width	mm (ft.in)	1050 (3'5")	1050 (3'5")
Weight	ton (U.S.ton)	4.81 (5.3)	4.71 (5.19)

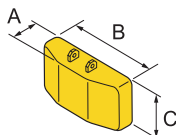
Arm



Boom length	m (ft.in)	7.6 (24'11")
A	mm (ft.in)	7930 (26'0")
B	mm (ft.in)	2010 (6'7")
Overall width	mm (ft.in)	1050 (3'5")
Weight	ton (U.S.ton)	4.87 (5.37)

Arm length	m (ft.in)	2.9 (9'6")	3.5 (11'6")
A	mm (ft.in)	4230 (13'11")	4870 (16'0")
B	mm (ft.in)	1490 (4'11")	1210 (4'0")
Overall width	mm (ft.in)	460 (1'6")	460 (1'6")
Weight	ton (U.S.ton)	3.53 (3.89)	3.25 (3.58)

Counterweight



A	mm (ft.in)	720 (2'4")
B	mm (ft.in)	3190 (10'6")
C	mm (ft.in)	1320 (4'4")
Weight	ton (U.S.ton)	9.35 (10.3)

Cylinders

Boom cylinder

Length	mm (ft.in)	2670 (8'9")
Weight	kg (lb)	1000 (2,200) { 2 x 500 (1100)}

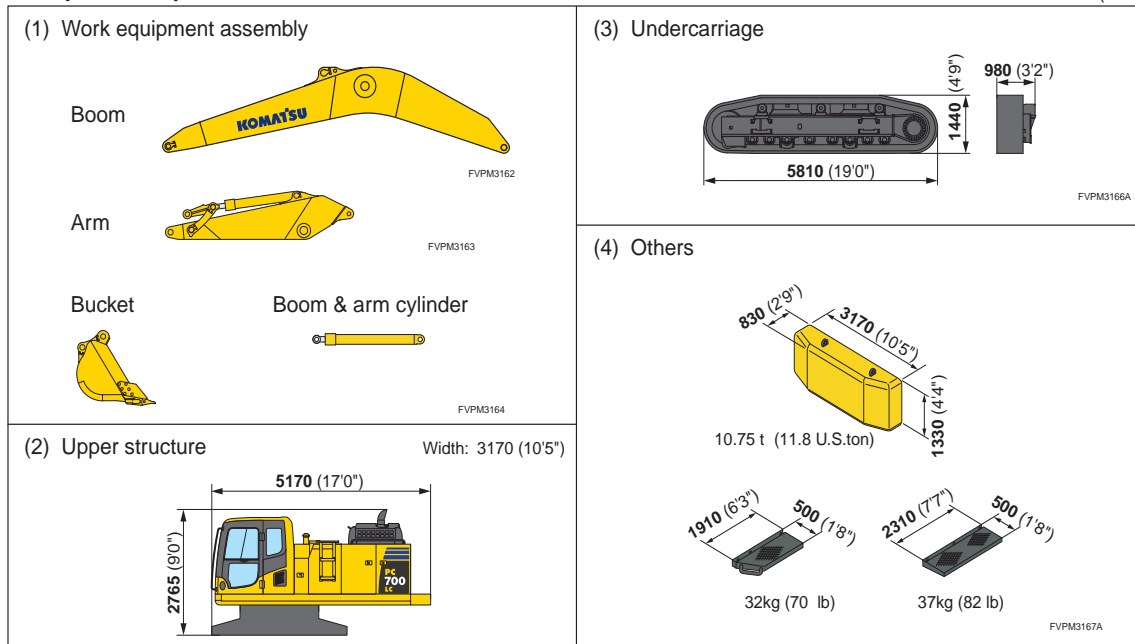
Arm cylinder

Length	mm (ft.in)	3110 (10'2")
Weight	kg (lb)	730 (1,610)

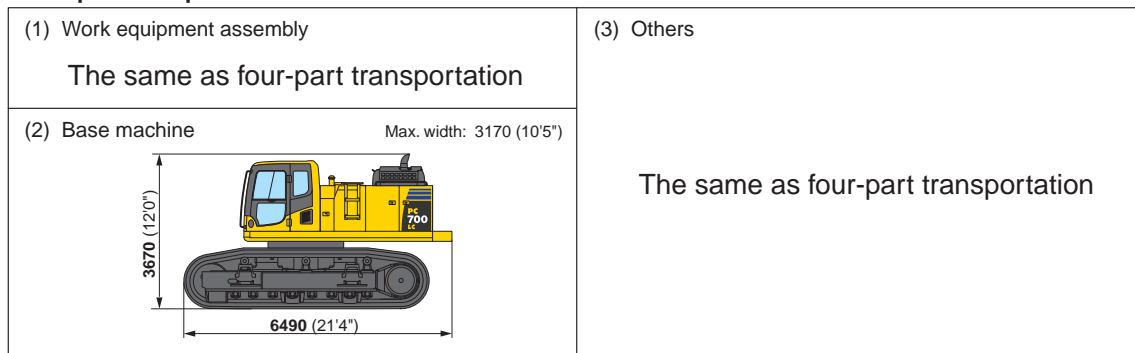
PC700LC-8E0, PC700LC-8R

Four-part transportation

Unit: mm (ft.in)



Three-part transportation



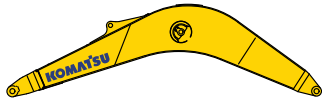


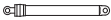
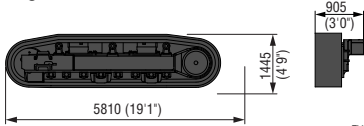
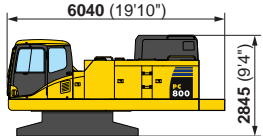
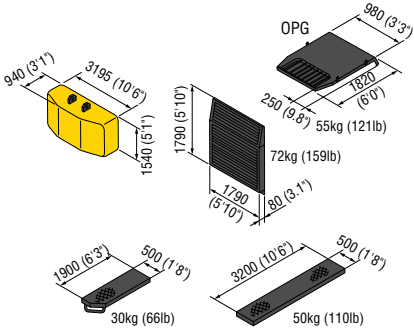
* KOMTRAX (optional) with an antenna when mounted

	Boom length mm (ft.in)	Arm length mm (ft.in)	Bucket capacity m ³ (cu.yd)	Shoes width mm (in)
PC700LC-8E0, PC700LC-8R	7660 (25'2")	3500 (11'6")	2.7 (3.53)	610 (24") Double
PC700LC-8E0, PC700LC-8R (HD Spec.)	7330 (23'11")	3500 (11'6")	2.8 (3.66)	610 (24") Double
PC700LC-8E0, PC700LC-8R (SE Spec.)	6600 (21'8")	2900 (9'6")	3.5 (4.58)	610 (24") Double

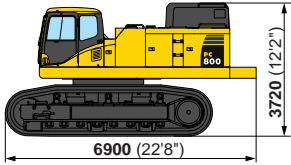
Work Equipment	Length mm (ft.in)	Height mm (ft.in)	Width mm (ft.in)	Weight ton (US ton)	
PC700LC-8E0, PC700LC-8R	Boom	7920 (26'0")	2040 (6'8")	4.9 (5.4)	
	Arm	4870 (16'0")	1210 (16'0")	3.3 (3.6)	
	Bucket	2150 (7'1")	1780 (5'8")	2.5 (2.8)	
PC700LC-8E0, PC700LC-8R (HD Spec.)	Boom	7530 (24'8")	1960 (6'5")	4.7 (5.2)	
	Arm	4870 (16'0")	1240 (4'0")	3.3 (3.6)	
	Bucket	2150 (7'1")	1780 (5'10")	1920 (6'4")	3.1 (3.4)
PC700LC-8E0, PC700LC-8R (SE Spec.)	Boom	6870 (22'6")	2090 (6'10")	4.8 (5.3)	
	Arm	4230 (13'10")	1490 (4'11")	650 (2'2")	3.5 (3.9)
	Bucket	2150 (7'1")	1780 (5'8")	2040 (6'8")	3.4 (3.7)

PC800/850-8E0, PC800/850-8R1

Four-part transportation

<p>(1) Work equipment assembly</p> <p>Boom  FVPM3075</p> <p>Arm  FVPM2405</p> <p>Bucket  FVPM3064</p> <p>Boom, arm cylinder </p>	<p>(3) Undercarriage  FVPM3076</p>
<p>(2) Upper structure Width: 3290 (10'10")</p> 	<p>(4) Others</p>  <p>OPG (PC850/SE spec. only)</p>

Three-part transportation

<p>(1) Work equipment assembly</p> <p>The same as four-part transportation</p>	<p>(3) Others</p> <p>The same as four-part transportation</p>
<p>(2) Base machine</p> 	

* KOMTRAX (optional) with an antenna when mounted

Component Dimensions and Weights

EXCAVATORS (BACKHOE)

PC800/850-8E0, PC800/850-8R1

Specification Table for Transportation

No. of Part for Transportation	Item	Related Specifications	PC800-8E0 PC800-8R1	PC800-8E0, R1 (SE spec.)	PC850-8E0 PC850-8R1	PC850-8E0, R1 (SE spec.)			
Four-part	(1)	Work Equipment	Boom	Overall length	mm (fi.in)	8530 (28'0")	7430 (24'5")	8370 (27'6")	7430 (24'5")
				Overall width	mm (fi.in)	1500 (4'11")	1500 (4'11")	1500 (4'11")	1500 (4'11")
				Overall height	mm (fi.in)	2615 (8'7")	2480 (8'2")	2695 (8'10")	2480 (8'2")
				Weight	ton (US. ton)	7.9 (8.7)	7.3 (8.0)	8.1 (8.9)	7.3 (8.0)
		Arm	Overall length	mm (fi.in)	5115 (16'9")	4075 (13'4")	4765 (15'8")	4075 (13'4")	
			Overall width	mm (fi.in)	710 (2'4")	715 (2'4")	710 (2'4")	715 (2'4")	
			Overall height	mm (fi.in)	1365 (4'6")	1690 (5'7")	1450 (4'9")	1690 (5'7")	
			Weight	ton (US. ton)	4.0 (4.4)	4.9 (5.4)	4.5 (5.0)	4.9 (5.4)	
		Bucket	Overall length	mm (fi.in)	2430 (8'0")	2280 (7'6")	2470 (7'9")	2280 (7'6")	
			Overall width	mm (fi.in)	1875 (6'2")	2100 (6'11")	2070 (6'9")	2250 (7'5")	
			Overall height	mm (fi.in)	1855 (6'1")	1950 (6'5")	1880 (6'2")	1950 (6'5")	
			Weight	ton (US. ton)	2.9 (3.2)	3.4 (3.7)	3.8 (4.2)	3.8 (4.2)	
	Cylinder	Overall length	mm (fi.in)	3580 (11'9")	3235 (10'7")	3235 (10'7")	3235 (10'7")		
		Weight	ton (US. ton)	2.3 (2.5)	2.5 (2.8)	2.3 (2.5)	2.5 (2.8)		
	(2)	Upper Structure	Overall length	mm (fi.in)	6040 (19'10")	6040 (19'10")	6040 (19'10")	6040 (19'10")	
			Overall width	mm (fi.in)	3225 (10'7")	3225 (10'7")	3225 (10'7")	3225 (10'7")	
			Overall height	mm (fi.in)	2845 (9'4")	2845 (9'4")	2845 (9'4")	2845 (9'4")	
			Weight	ton (US. ton)	26.3 (29.0)	26.3 (29.0)	26.4 (29.1)	26.4 (29.1)	
	(3)	Undercarriage	Overall length	mm (fi.in)	5810 (19'1")	5810 (19'1")	5810 (19'1")	5810 (19'1")	
			Overall width	mm (fi.in)	905 (3'0")	905 (3'0")	1000 (3'3")	1000 (3'3")	
Overall height			mm (fi.in)	1445 (4'9")	1445 (4'9")	1445 (4'9")	1445 (4'9")		
Weight			ton (US. ton)	21.2 (23.4)	21.2 (23.4)	21.7 (23.9)	21.7 (23.9)		
(4)	Others (Counterweight)	Overall length	mm (fi.in)	3195 (10'6")	3195 (10'6")	3195 (10'6")	3195 (10'6")		
		Overall width	mm (fi.in)	940 (3'1")	940 (3'1")	940 (3'1")	940 (3'1")		
		Overall height	mm (fi.in)	1540 (5'1")	1540 (5'1")	1540 (5'1")	1540 (5'1")		
		Weight	ton (US. ton)	10.3 (11.4)	10.3 (11.4)	12.4 (13.7)	12.4 (13.7)		
Three-part	(1)	Work Equipment	The same as four-part transportation						
	(2)	Base Machine	Overall length	mm (fi.in)	6900 (22'8")	6900 (22'8")	6900 (22'8")	6900 (22'8")	
			Overall width	mm (fi.in)	3390 (11'1")	3390 (11'1")	3390 (11'1")	3390 (11'1")	
			Overall height	mm (fi.in)	3720 (12'2")	3720 (12'2")	3720 (12'2")	3720 (12'2")	
			Weight	ton (US. ton)	47.1 (51.9)	47.1 (51.9)	47.7 (52.6)	47.7 (52.6)	
(3)	Others (Counterweight)	The same as four-part transportation							

Component Dimensions and Weights

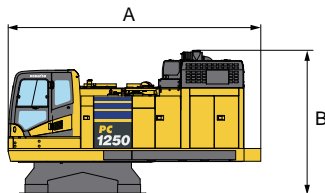
EXCAVATORS (BACKHOE)

PC1250/1250SP/1250LC-11

Backhoe: Boom 9.1m (29'10"), Arm 3.4 m (11'2"), Bucket 5.0 m³ (6.54 cu.yd)

SP spec.: Boom 7.8m (25'7"), Arm 3.4m (11'2"), Bucket 6.7m³ (8.8 cu.yd)

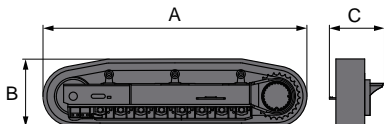
Upper structure



With headguard

Model		PC1250/LC-11	PC1250SP-11
A	mm (ft.in)	6780 (22'3")	
B	mm (ft.in)	3580 (11'9")	
Overall width	mm (ft.in)	3495 (11'6")	
Weight	ton (U.S.ton)	40.7 (44.9)	

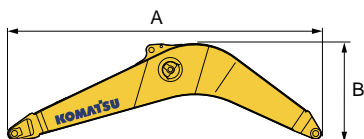
Undercarriage



Model		PC1250/SP-11	PC1250LC-11
A	mm (ft.in)	6425 (21'2")	7340 (24'1")
B	mm (ft.in)	1585 (5'2")	1640 (5'5")
C	mm (ft.in)	1310 (4'4")	1295 (4'3")
Weight	ton (U.S.ton)	30.5 (33.6) 15.25x2 (16.8x2)	37.6 (41.4) 18.8x2 (20.7x2)

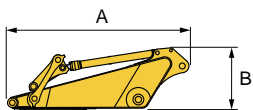
Work equipment ass'y (Backhoe)

Boom



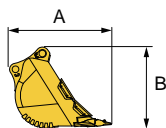
Model		PC1250/LC-11	PC1250SP-11
A	mm (ft.in)	9475 (31'1")	8170 (26'10")
B	mm (ft.in)	2894 (9'6")	3095 (10'2")
Overall width	mm (ft.in)	1474 (4'10")	1474 (4'10")
Weight	ton (U.S.ton)	11.15 (12.3)	11.0 (12.1)

Arm



Model		PC1250/LC-11	PC1250SP-11
A	mm (ft.in)	4895 (16'1")	4914 (16'1")
B	mm (ft.in)	1626 (5'4")	1683 (5'6")
Overall width	mm (ft.in)	890 (2'11")	890 (2'11")
Weight	ton (U.S.ton)	6.2 (6.8)	6.4 (7.1)

Bucket



Model		PC1250/LC-11	(HD version)	PC1250SP-11
A	mm (ft.in)	2700 (8'10")	2580 (8'6")	2527 (8'3")
B	mm (ft.in)	2100 (6'11")	2276 (7'6")	2420 (7'11")
Overall width	mm (ft.in)	2050 (6'9")	2250 (7'5")	2520 (8'3")
Weight	ton (U.S.ton)	4.6 (5.1)	5.5 (6.1)	6.3 (4.94)

Arm cylinder



Length	mm (ft.in)	3950 (13'0")
Weight	ton (U.S.ton)	1.5 (1.7)

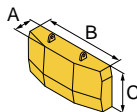
Boom cylinder



Length	mm (ft.in)	3810 (12'6")
Weight	ton (U.S.ton)	2.4 (2.65) 1.2x2 (1.32x2)

Others

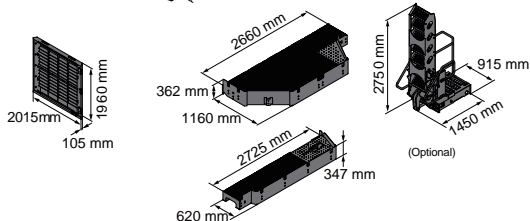
Counterweight



A	mm (ft.in)	3490 (11'5")
B	mm (ft.in)	1995 (6'7")
C	mm (ft.in)	855 (2'10")
Weight	ton (U.S.ton)	16.62 (18.3)

Catwalk etc.

Weight 16.7 t



Component Dimensions and Weights

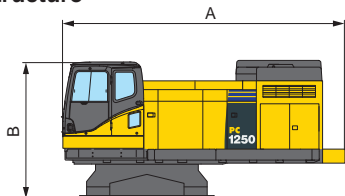
EXCAVATORS (BACKHOE)

PC1250/1250 (SP spec.)/1250LC-8, PC1250/1250-8R (SP spec.)

Backhoe: Boom 9.1m (29'10"), Arm 3.4 m (11'2"), Bucket 5.0 m³ (6.54 cu.yd)

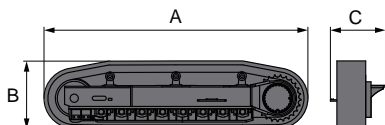
SP spec.: Boom 7.8m (25'7"), Arm 3.4m (11'2"), Bucket 6.7 m³ (8.8 cu.yd)

Upper structure



Model		PC1250/LC-8	PC1250-8(SP)
A	mm (ft.in)	6420 (21'1")	
B	mm (ft.in)	3130 (10'3")	
Overall width	mm (ft.in)	3490 (11'5")	
Weight	ton (U.S.ton)	23.9 (26.3)	

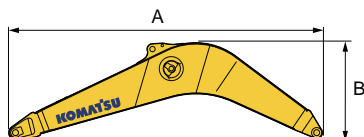
Undercarriage



Model		PC1250-8	PC1250LC-8
A	mm (ft.in)	6425 (21'2")	7400 (24'3")
B	mm (ft.in)	1585 (5'2")	1640 (5'5")
C	mm (ft.in)	1224 (4'0")	1295 (4'3")
Weight	ton (U.S.ton)	30.0 (33.1) 15.0x2 (16.5x2)	38 (41.9) 19x2 (20.9x2)

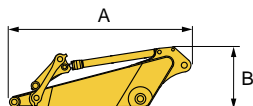
Work equipment

Boom



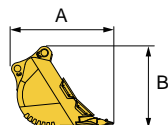
Model		PC1250/LC-8	PC1250-8(SP)
A	mm (ft.in)	9475 (31'1")	8170 (26'10")
B	mm (ft.in)	2894 (9'6")	3095 (10'2")
Overall width	mm (ft.in)	1474 (4'10")	1474 (4'10")
Weight	ton (U.S.ton)	11.2 (12.3)	11.1 (12.2)

Arm



Model		PC1250/LC-8	PC1250-8(SP)
A	mm (ft.in)	4895 (16'1")	4914 (16'1")
B	mm (ft.in)	1626 (5'4")	1683 (5'6")
Overall width	mm (ft.in)	890 (2'11")	890 (2'11")
Weight	ton (U.S.ton)	5.9 (5.9) HD:6.2 (6.8)	6.4 (7.1)

Bucket



Model		PC1250/LC-8	(HD version)	PC1250-8(SP)
A	mm (ft.in)	2700 (8'10")	2580 (8'6")	2527 (8'3")
B	mm (ft.in)	2100 (6'11")	2276 (7'6")	2420 (7'11")
Overall width	mm (ft.in)	2050 (6'9")	2250 (7'5")	2520 (8'3")
Weight	ton (U.S.ton)	4.3 (4.7)	5.5 (6.1)	5.9 (6.5)

Arm cylinder



Length	mm (ft.in)	3950 (13'0")
Weight	ton (U.S.ton)	1.5 (1.7)

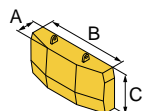
Boom cylinder



Length	mm (ft.in)	3810 (12'6")
Weight	ton (U.S.ton)	2.4 (2.64) 1.2x2 (1.32x2)

Others

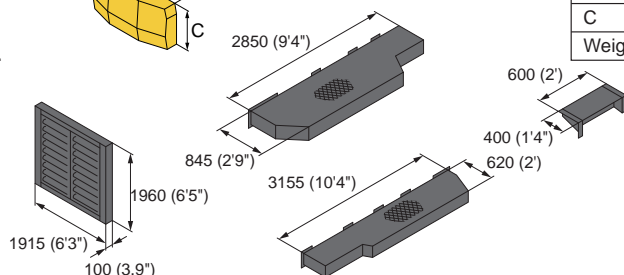
Counterweight



A	mm (ft.in)	3470 (11'5")
B	mm (ft.in)	1830 (6'0")
C	mm (ft.in)	835 (2'9")
Weight	ton (U.S.ton)	18.0 (19.8)

Catwalk etc.

Weight :16.7 t

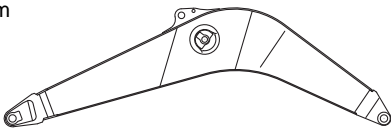


PC1250/1250-7 (SP spec.)

1. Work equipment ass'y (Backhoe)


PC1250: 25.1t (27.7 US.ton)
PC1250 (SP spec.): 27.0t (29.8 US.ton)

Boom




PC1250: 11.0t 9475x2894x1474
(12.1USt) (31'1")x(9'6")x(4'10")
PC1250 (SP spec.): 10.9t 8170x3095x1474
(12.0USt) (26'10")x(10'2")x(4'10") FVBH0174

Arm




PC1250: 5.9t 4895x1626x890
(6.5USt) (16'1")x(5'4")x(2'11")
PC1250 (SP spec.): 6.3t 4914x1683x890
(6.9USt) (16'1")x(5'6")x(2'11") FVBH0175

Bucket



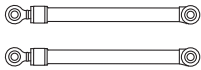
PC1250: 4.3t 2700x2100x2050
(4.7USt) (8'10")x(6'11")x(6'9")
PC1250 (SP spec.): 5.9t 2527x2420x2520
(6.5USt) (8'3")x(7'11")x(8'3") FVBH0176

Arm cylinder



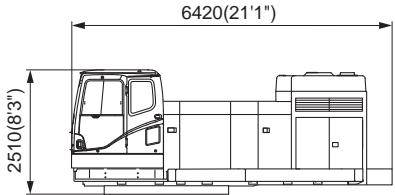
1.5t (1.7USt)

Boom cylinder



2.4t [1.2tx2]
(2.64USt) (1.32UStx2) FVBH0177

2. Upper structure

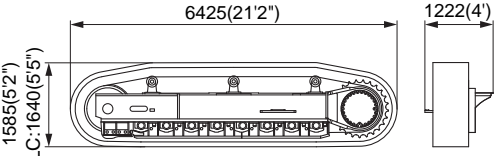


6420(21'1")
2510(8'3")

Width: 3490 (11'9")
Weight: 23.9t (26.3USt)

FVBH0178

3. Undercarriage



6425(21'2") 1222(4')
1585(5'2") LC: 1640(5'5")

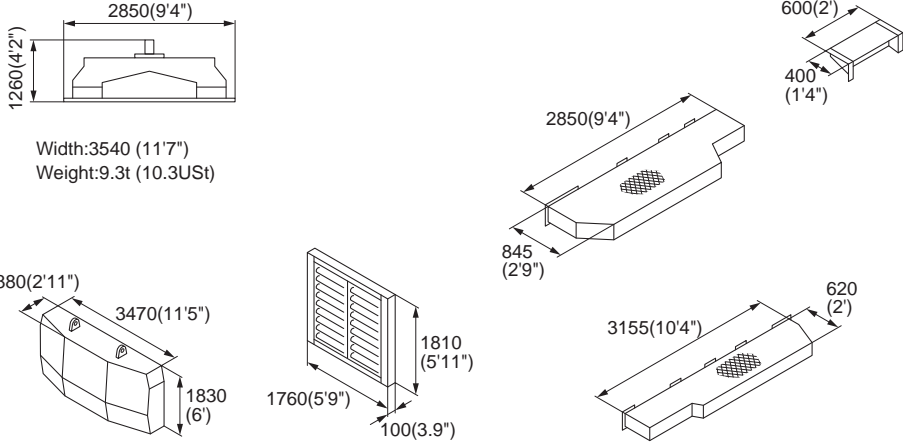
Weight
PC1250: 30.0t (33.1USt)
15.0t x2(16.5x2USt)
PC1250 (SP spec.): 30.9t(34.1USt)*
15.45t x2(17.0x2USt)

* With full length roller guard

FVBH0179

4. Others

27.7t (30.5 US.ton)



2850(9'4")
1260(4'2")

Width: 3540 (11'7")
Weight: 9.3t (10.3USt)

600(2')
400(1'4")

2850(9'4")
845(2'9")

3155(10'4") 620(2')

880(2'11") 3470(11'5") 1830(6')

1760(5'9") 1810(5'11") 100(3.9')

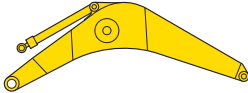
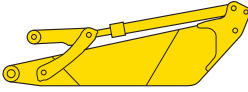

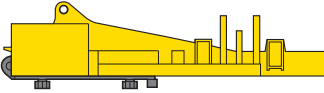
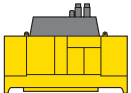
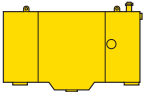
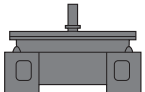
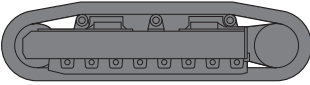




18.0t(19.8USt)

FVBH0180

Component Dimensions and Weights

EXCAVATORS (BACKHOE)

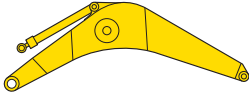
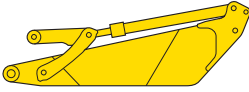

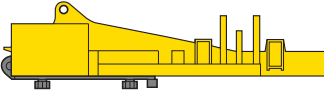
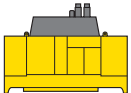
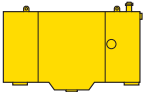
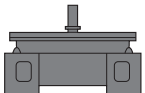
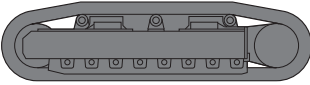




PC2000-11

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
1. Boom		9170 (30'1")	2065 (6'9")	3195 (10'6")	21.5 (23.7)
2. Arm		5495 (18'0")	1605 (5'3")	2055 (6'9")	13.0 (14.2)
3. Bucket		3540 (11'7")	2790 (9'2")	2320 (7'7")	9.7 (10.7)
4. Revolving frame		7575 (24'10")	3180 (10'5")	2640 (8'8")	26.5 (29.2)
5. Power module		5215 (17'1")	2455 (8'1")	3320 (10'11")	16.8 (18.5)
6. Fuel tank		3100 (10'2")	875 (2'10")	2070 (6'10")	2.14 (2.36)
7. Center frame		3815 (12'6")	3190 (10'6")	2210 (7'3")	18.1 (20.0)
8. Undercarriage		7435 (6'11")	1720 (5'8")	1920 (6'4")	26.0 x 2 (28.1 x 2)
9. Cab base		2100 (6'11")	2000 (6'7")	2700 (8'10")	2.6 (2.9)
10. Operator cab		2885 (9'6")	1880 (6'2")	2520 (8'3")	2.0 (2.2)
11. Counterweight		6240 (20'6")	1115 (3'8")	1505 (4'11")	24.8 (27.3)
12. Hydraulic tank		1860 (6'1")	1115 (3'8")	2085 (6'10")	1.75 (1.93)
13. Left floor		2510 (8'3")	3280 (10'9")	3150 (10'4")	2.3 (2.54)
14. Cylinders and Others					8.3 (9.15)

Component Dimensions and Weights

EXCAVATORS (BACKHOE)

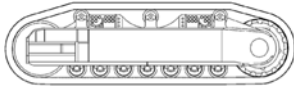
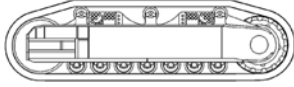
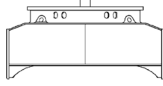
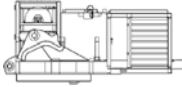
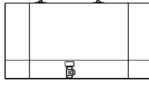


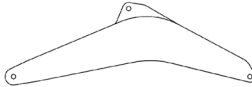
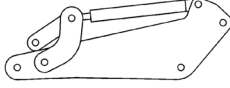

PC2000-8

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
1. Boom		9170 (30'1")	2065 (6'9")	3195 (10'6")	20.9 (23.0)
2. Arm		5495 (18'0")	1605 (5'3")	2055 (6'9")	12.9 (14.2)
3. Bucket		3540 (11'7")	2790 (9'2")	2320 (7'7")	9.7 (10.7)
4. Revolving frame		7575 (24'10")	3180 (10'5")	2640 (8'8")	26.5 (29.2)
5. Power module		5215 (17'1")	2455 (8'1")	3195 (10'6")	16.1 (17.7)
6. Fuel tank		3100 (10'2")	875 (2'10")	2070 (6'10")	2.4 (2.65)
7. Center frame		3815 (12'6")	3190 (10'6")	2210 (7'3")	18.0 (19.8)
8. Undercarriage		7435 (24'5")	1720 (5'8")	1920 (6'4")	26.0 × 2 (28.1 × 2)
9. Cab base		3660 (12'0")	2505 (8'3")	2700 (8'10")	2.5 (2.8)
10. Operator cab		2885 (9'6")	1880 (6'2")	2520 (8'3")	1.8 (1.98)
11. Counterweight		6420 (21'1")	1115 (3'8")	1505 (4'11")	24.5 (27.0)
12. Hydraulic tank		1860 (6'1")	1115 (3'8")	2125 (7'0")	3.5 (3.86)
13. Cylinders and Others					9.7 (10.7)

Component Dimensions and Weights

EXCAVATORS (BACKHOE)

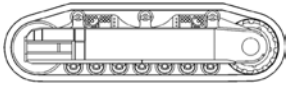

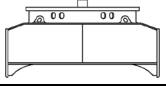
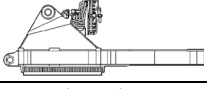
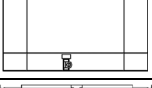
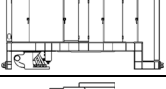






PC3000-6

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame with 800 mm (31.5") Tracks		7930 (26'0")	1600 (5'3")	2210 (7'3")	31.9 (35.2)
Right Crawler Side Frame with 800 mm (31.5") Tracks		7930 (26'0")	1600 (5'3")	2210 (7'3")	31.9 (35.2)
Carbody with Rotary Joint		4020 (13'2")	3630 (11'11")	2130 (7'0")	19.5 (21.5)
Superstructure Platform with Machine House incl. 1 Diesel Engine, Hydraulic Tank and Hydraulic Cooler		7950 (26'1")	5250 (17'3")	3600 (11'10")	70 (77.2)
Counterweight		5050 (16'7")	1050 (3'5")	2840 (9'4")	30.5 (33.6)
Fuel Tank		2220 (7'3")	1600 (5'3")	2790 (9'2")	2.3 (2.5)
Cab Base		2520 (8'3")	2300 (7'7")	2800 (9'2")	3.25 (3.6)
Boom 8.6 m (28'3")		9200 (30'2")	2450 (8'0")	3100 (10'2")	26.3 (29.0)
Arm 4.0 m (13'1") with 2 cylinders, link and rod		5670 (18'7")	2010 (6'7")	2100 (6'11")	9.25 (10.2)
Backhoe Bucket 15 m ³ (19.6 cu.yd) SAE incl. Standard Wear Package WP 2		3580 (11'9")	3530 (11'7")	3120 (10'3")	16.1 (17.7)
Case with Accessories		3500 (11'6")	2400 (7'10")	3150 (10'4")	3.8 (4.2)
Case with Accessories		5800 (19'0")	2500 (8'2")	2000 (6'7")	4 (4.4)
Case with Accessories		4900 (16'1")	1300 (4'3")	1540 (5'1")	5.3 (5.8)
Case with Accessories		4900 (16'1")	1300 (4'3")	1540 (5'1")	7 (7.7)

Component Dimensions and Weights

EXCAVATORS (BACKHOE)

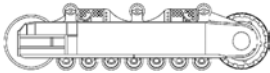
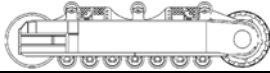


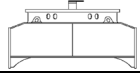
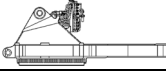






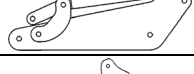

PC4000-6

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame with 1200 mm (47.2") Tracks		8850 (29'0")	1600 (5'3")	2500 (8'2")	58.0 (63.9)
Right Crawler Side Frame with 1200 mm (47.2") Tracks		8850 (29'0")	1600 (5'3")	2500 (8'2")	58.0 (63.9)
Carbody with Rotary Joint		4670 (15'4")	4070 (13'4")	2270 (7'5")	30.1 (33.2)
Superstructure Platform		8430 (27'8")	4435 (14'7")	3930 (12'11")	50.3 (55.4)
Counterweight		6100 (20'0")	950 (3'1")	3320 (10'11")	37 (40.8)
Main Machinery House incl. 1 Diesel Engine		6500 (21'4")	2750 (9'0")	3250 (10'8")	30.4 (33.5)
Fuel Tank		2390 (7'10")	2060 (6'9")	3280 (10'9")	3.5 (3.9)
Hydraulic Tank		2400 (7'10")	1370 (4'6")	3300 (10'10")	3.4 (3.7)
Cab Base		2400 (7'10")	2060 (6'9")	3020 (9'11")	3.8 (4.2)
Boom 9.75 m (32')		10450 (34'3")	2700 (8'10")	3700 (12'2")	34.1 (37.6)
Arm 4.5 m (14'9") with 2 cylinders, linkage and rod		6300 (20'8")	1900 (6'3")	2500 (8'2")	25.2 (27.8)
Backhoe Bucket 22 m ³ (28.8 cu.yd) SAE incl. Standard Wear Package WP 2		3800 (12'6")	4000 (13'1")	3600 (11'10")	23.4 (25.9)
Case with Oil Cooler		5770 (18'11")	2490 (8'2")	1980 (6'6")	3.4 (3.7)
Case with Driver's Cab and with intermediate base		3890 (12'9")	3290 (10'10")	3280 (10'9")	5 (5.5)
Case with Accessories		5800 (19'0")	2500 (8'2")	2100 (6'11")	4 (4.4)
Case with Accessories		5870 (19'3")	1290 (4'3")	1480 (4'10")	6 (6.6)
Case with Accessories		5870 (19'3")	1290 (4'3")	1480 (4'10")	9 (9.9)

Component Dimensions and Weights

EXCAVATORS (BACKHOE)





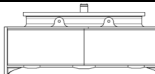
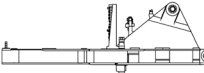
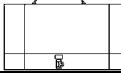
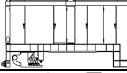




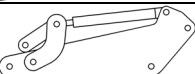

PC5500-6

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame without Tracks		9300 (30'6")	1500 (4'11")	2300 (7'7")	40 (44.1)
Right Crawler Side Frame without Tracks		9300 (30'6")	1500 (4'11")	2300 (7'7")	40 (44.1)
6 x 1 Chain with 12 Track Shoes 1350 mm (53") each 8.55 t (9.4 US ton)		6000 (19'8")	1350 (4'5")	400 (1'4")	51.3 (56.5)
2 x 1 Chain with 10 Track Shoes 1350 mm (53") each 7.1 t (7.8 US ton)		5050 (16'7")	1350 (4'5")	400 (1'4")	14.2 (15.7)
Carbody with Rotary Joint		5130 (16'10")	4690 (15'7")	2380 (7'10")	45 (49.6)
Superstructure Platform		9650 (31'7")	4510 (14'10")	4400 (14'5")	85 (93.6)
Counterweight		6600 (21'8")	1140 (3'9")	3320 (10'11")	42 (46.3)
Main Machinery House incl. 2 Diesel Engines		7100 (23'4")	4050 (13'3")	3300 (10'10")	46.5 (51)
Fuel Tank		2800 (9'2")	2250 (7'5")	3300 (10'10")	7 (7.7)
Hydraulic Tank		2390 (7'10")	1300 (4'3")	3300 (10'10")	3.4 (3.7)
Cab Base		2200 (7'3")	1950 (6'5")	3050 (10'0")	3.8 (4.2)
Boom 11 m (36'1")		11800 (38'8")	3300 (10'10")	3000 (9'10")	51.1 (56.3)
Arm 5.1 m (18'1")		7200 (23'8")	2200 (7'2")	2300 (7'7")	32.5 (35.7)
Backhoe 29 m ³ (37.9 cu.yd) SAE incl. Standard Wear Package WP 2		4400 (14'5")	4400 (14'5")	3800 (12'6")	33.5 (36.9)
Case with Oil Cooler		4000 (13'1")	2700 (8'10")	2300 (7'7")	5.4 (6.0)
Case with Driver's Cab and with Intermediate Base		4000 (13'1")	3300 (10'10")	3200 (10'6")	6.6 (7.3)
Case with 2 Gear Boxes		5600 (18'4")	2700 (8'10")	2250 (7'5")	16.6 (18.3)
Case with 2 Boom Cylinders		6400 (21'0")	1400 (4'7")	1520 (5'0")	12.3 (13.6)
Case with 2 Stick Cylinders		5600 (18'4")	1300 (4'3")	1520 (5'0")	8.7 (9.6)
Case with Accessories		3900 (12'10")	2500 (8'2")	2550 (8'4")	3.2 (3.5)
Case with Accessories		5800 (19'0")	2500 (8'2")	2150 (7'1")	3.50 (3.9)

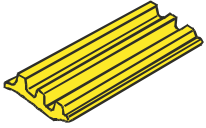
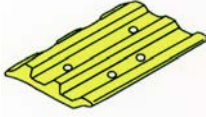
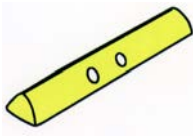
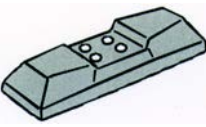
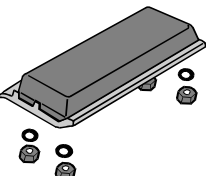
Component Dimensions and Weights

EXCAVATORS (BACKHOE)

PC8000-6

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame without Tracks		10200 (33'6")	1600 (5'2")	2450 (8'0")	55 (60.6)
Right Crawler Side Frame without Tracks		10200 (33'0")	1600 (5'2")	2450 (8'0")	55 (60.6)
9 x 1 Chain with 10 Track Shoes 1500 mm (59")		5040 (16'6")	1500 (4'11")	400 (1'4")	91 (100.3)
1 Chain with 8-Track Shoes 1500 mm (59")		4070 (13'4")	1500 (4'11")	400 (1'4")	8.1 (8.9)
Carbody with Rotary Joint		5750 (18'10")	5060 (16'7")	2730 (8'11")	59 (65.0)
Superstructure Platform		11300 (37'1")	4750 (15'7")	4000 (13'1")	94 (103.6)
Counterweight		6800 (22'3")	1250 (4'1")	3850 (12'8")	52.3 (57.7)
Main Machinery House incl. 2 Diesel Engines		8000 (26'3")	5000 (16'5")	3900 (12'10")	62 (68.3)
Fuel Tank		3400 (11'1")	1800 (5'11")	3760 (12'4")	5.6 (6.2)
Hydraulic Tank		2710 (8'11")	1910 (6'3")	3730 (12'3")	7.2 (7.9)
Cab Base		2600 (8'6")	2000 (6'6")	3800 (12'5")	5.4 (6.0)
Boom 11.5 m (37'10")		12500 (41'0")	2800 (9'2")	5100 (16'9")	64.8 (71.4)
Arm 5.5 m (18'1")		7750 (25'5")	2950 (9'8")	3300 (10'9")	45.2 (49.8)
Backhoe Bucket 42 m ³ (54.9 cu.yd) SAE incl. Standard Wear Package WP 2		4500 (14'9")	4700 (15'5")	4500 (14'9")	48 (52.9)
Case with Oil Cooler		6500 (21'4")	2700 (8'10")	2500 (8'2")	11.5 (12.7)
Case with Slew Ring		4950 (16'3")	4910 (16'1")	1015 (3'4")	21 (23.1)
Case with Cab		4000 (13'1")	3030 (9'11")	3150 (10'4")	7 (7.7)
20' OT Container (belong to shipper) with Accessories					8.5 (9.4)
20' OT Container (belong to shipper) with Accessories					13.4 (14.8)
20' OT Container (belong to shipper) with Accessories					20.3 (22.4)
40' OT Container (belong to shipper) with Accessories					24.3 (26.8)

Applications of different shoes in accordance with soil characteristics and working conditions.

Type of shoe	Applicable soil and work	Advantages	Disadvantages	Remarks
<p>1 • Tripple grouser shoe</p>  <p>• Double grouser shoe</p> 	<p>Hard ground Suitable for both soft and hard ground</p>	<ul style="list-style-type: none"> • The three grousers have the same height, hence turning ability is good. • Good riding comfort is obtained as compared with a single grouser shoe. • Rotating resistance is low. • Because three beams are used, resistance to bending is high. 	<ul style="list-style-type: none"> • This shoe does not readily bite into the ground, so the traction force is low. 	
<p>2 Swamp shoe</p> 	<p>Swamp areas</p>	<ul style="list-style-type: none"> • Because the cross-section of this shoe is an arc, the ground contact area is large, and buoyancy is easily obtained. • This shoe is particularly suitable for use in swamp areas and areas with low ground pressure. The ground surface is not damaged when the machine travels over it, so it is suitable for soil compaction and leveling work. 	<ul style="list-style-type: none"> • Unsuitable for ground other than swampy ground. When used off swampy ground, it is liable to bend due to its low strength. 	
<p>3 • Road liner (rubber)</p>  <p>• Rubber pad</p> 	<p>Paved road Indoor work</p>	<ul style="list-style-type: none"> • The surface of the shoe in contact with the ground is made of rubber, so the machine can travel on paved roads without damaging the road surface. • Prevents noise when machine is traveling. 	<ul style="list-style-type: none"> • Use in the following places will shorten the cutting life of the rubber. <ol style="list-style-type: none"> (1) Rocky ground (2) Cold areas (below -25°C) (3) Hot areas (above 65°C) • Because there are no grouser, this shoe does not bite into the ground. 	

Model	Shoe type	Shoe width mm (in.)	Application**
PC60-8	Triple grouser	450 (18")*	A
PC70-8 PC70-8*5	Triple grouser	450 (18")*	A
PC71-7	Triple grouser	450 (18")*	A
PC78US-10	Triple grouser	450 (18")* 600 (24")	A B
	Road liner	450 (18")*	D
PC78US-8	Triple grouser	450 (18")* 600 (24")	A B
	Rubber pad	450 (18")*	D
PC78UU-8	Triple grouser	450 (18")*	A
PC80MR-5	Triple grouser	450 (18")*	A
	Rubber pad	450 (18")*	D
PC80MR-3	Triple grouser	450 (18")* 600 (24")	A B
	Road liner	450 (18")*	D
PC88MR-10	Triple grouser	450 (18")* 600 (24")	A B
	Road liner	450 (18")*	D
	Rubber pad	450 (18")*	D
PC88MR-10*11 PC88MR-8*11	Triple-grouser	450 (18")* 600 (24")	A B
	Rubber pad	450 (18")*	D
	Road liner	450 (18")*	D
PC88MR-8	Triple grouser	450 (18")* 600 (24")	A B
	Rubber pad	450 (18")*	D
PC110-8M0	Triple grouser	500 (20")*	A
PC118MR-8	Triple grouser	500 (20")*	A
	Road liner	500 (20")*	A
PC130-8 PC130-8*7 PC130-8*8 PC130-7*9	Triple grouser	500 (20")* 600 (24") 700 (28")	A B C
	Triple grouser	500 (20")*	A
	Triple grouser	500 (20")*	A
PC130-8M0*5	Triple grouser	500 (20")* 600 (24") 700 (28")	A B C
	Triple grouser	900 (35.5)*	C
	Single grouser	960 (39")	C
PC138US-11	Triple grouser	500 (20")* 600 (24") 700 (28")	A B C
	Road liner	500 (20")*	D
	Triple-grouser	500 (20")* 600 (24")* 700 (28")	A B C
PC138USLC-11	Triple-grouser	500 (20")* 600 (24")* 700 (28")	A B C
	Road liner	500 (20")*	D
PC160LC-8 PC160LC-8*7 PC160LC-8*5	Triple grouser	500 (20")* 600 (24") 700 (28")	A B C
	Triple grouser	700 (28")*	C
	Triple grouser	700 (28")*	B

Model	Shoe type	Shoe width mm (in.)	Application**
PC170LC-11	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC170LC-10*4 PC170LC-11*11	Triple grouser	500 (20")*	A
		600 (24")	B
		700 (28")	C
		800 (31.5")	C
PC170LC-10	Triple grouser	500 (20")	A
		600 (24")	B
		700 (28")	C
PC195LC-8	Triple grouser	800 (31.5")*	C
PC200-8 PC200-8M0 PC200-8M0*7 PC200-8M0*10	Triple grouser	500 (20")	A
		600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC200-8M0*5	Triple grouser	600 (24")*	A,B
		800 (31.5")	C
PC200-8M0*8	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC200-8M0*6	Triple grouser	800 (31.5")*	C
PC200F-8M0	Triple grouser	600 (24")*	A,B
		800 (31.5")	C
PC200LC-8 PC200LC-8M0 PC200LC-8M0*7 PC200LC-8M0*10	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		900 (35.5")	C
PC200LC-8M0*8	Triple grouser	700 (28")*	B
		800 (31.5")	C
PC200LC-8M0*5	Triple grouser	600 (24")*	A,B
		800 (31.5")	C
PC210-11*4	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC210-10M0	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC210-8M0*5 PC210LC-8M0*5	Triple grouser	600 (24")*	A,B
		800 (31.5")	C
PC210-8M0*9 PC210LC-8*9	Triple grouser	600 (24")*	A,B
		700 (28")*	B
PC210LC-11 PC210LC-11***	Triple grouser	800 (31.5")	C
		700 (28")	B
		800 (31.5")*	C
PC210LC-11*4	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		900 (35.5")	C
PC210LC-10	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		900 (35.5")	C
PC210LC-10M0	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC210NLC-11*4	Triple-grouser	500 (20")*	A
		600 (24")	A
PC210NLC-8*10	Triple grouser	700 (28")	B
		500 (20")*	A
		600 (24")	A
PC210NLC-8*10	Triple grouser	600 (24")	A
		700 (28")	B

*: Standard shoe
 **: See classification of the application
 ***: USA source
 *4: UK source
 *5: China source
 *6: Indonesia source
 *7: Thailand source
 *8: Brazil source
 *9: India source
 *10: Russia source
 *11: Italy source

Shoe Selection

EXCAVATORS (BACKHOE)

Model	Shoe type	Shoe width mm (in.)	Application**
PC220-8 PC220-8M0 PC220-8M0*10	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC220-8M0*5	Triple grouser	600 (24")*	A,B
		800 (31.5")	C
PC220LC-8	Triple grouser	600 (24")	A
PC220LC-8M0	Triple grouser	700 (28")*	B
PC220LC-8M0*10	Triple grouser	800 (31.5")	C
PC228US-8	Triple grouser	600 (24")*	A
		700 (28")*	B
		800 (31.5")	C
PC228USLC-11	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
	Road liner	600 (24")	D
	PC228USLC-10	Triple grouser	600 (24")
700 (28")			B
800 (31.5")*			C
	Road liner	600 (24")	D
	PC228USLC-8	Triple grouser	600 (24")
700 (28")*			B
800 (31.5")			C
PC230NHD-11*4	Triple grouser	550 (21.7")	A, B
PC238USLC-11	Triple grouser	600 (24")	A
		700 (28")	B
		800 (31.5")*	C
	Road liner	600 (24")	D
	PC240LC-11	Triple grouser	700 (28")*
800 (31.5")			C
900 (35.4")			C
PC240LC-11***	Triple grouser	700 (28")	B
		800 (31.5")	C
PC240LC-11*4	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		900 (35.4")	C
PC240NLC-11*4	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC240LC-10	Triple grouser	700 (28")*	B
		800 (31.5")	C
PC240LC-8M0*5	Triple grouser	600 (24")	A, B
		800 (31.5")	C
PC240LC-8*8	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC270-8	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC270-8*5	Triple grouser	600 (24")*	A
PC270LC-8	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C

- *: Standard shoe
 **: See classification of the application
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 *8: Brazil source
 *9: India source
 *10: Russia source
 *11: Italy source

Model	Shoe type	Shoe width mm (in.)	Application**
PC290LC-11 PC290LC-11***	Triple grouser	700 (28")	B
		800 (31.5")*	C
		850 (33.5")	C
PC290LC-11*4	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		850 (33.5")	C
PC290NLC-11*4	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
		850 (33.5")	C
PC290LC-10	Triple grouser	700 (28")	B
		800 (31.5")*	C
PC300-8 PC300-8M0 PC300-8M0*4 PC300-8M0*7 PC300-8M0*10	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC300-8M0*6 (SE spec)	Triple grouser	600 (24")	A
		700 (28")	B
		800 (31.5")*	C
PC300-8M0*5	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC300LC-8 PC300LC-8M0 PC300LC-8M0*4 PC300LC-8M0*10	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC300LC-7*9	Triple grouser	600 (24")	A,B
		800 (31.5")	C
PC308USLC-3E0	Triple grouser	700 (28")	B
		800 (31.5")	C
		850 (33.5")*	C
PC350-8 PC350-8M0 PC350-8M0*7 PC350-8M0*4	Triple grouser	600 (24")*	A
		700 (28")	B
PC350LC-8 PC350LC-8M0 PC350LC-8M0*4	Triple grouser	600 (24")*	A
		700 (28")	B
PC350LC-8*8	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC350LC-7*9	Triple grouser	600 (24")*	A
PC360-8M0*5	Triple grouser	600 (24")*	A,B
		700 (28")	B
PC360LC-11 PC360LC-11***	Triple grouser	800 (31.5")*	C
		850 (33.5")	C
		600 (24")	A
PC360LC-11*4	Triple grouser	700 (28")*	B
		800 (31.5")	C
		850 (33.5")	C
		600 (24")*	A
PC360NLC-11*4	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC360LC-10	Triple grouser	700 (28")	B
		850 (33.5")	C
PC390LC-11***	Triple grouser	700 (28")	B
		800 (31.5")*	C
		900 (35.5")	C
PC390LC-8M0	Triple grouser	600 (24")*	A
		700 (28")	B
PC400-8 PC400-8R	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC400-8R*6 (SE spec)	Triple grouser	600 (24")	A
		700 (28")	B
		800 (31.5")*	C

Model	Shoe type	Shoe width mm (in.)	Application**
PC400LC-8 PC400LC-8R	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC400LC-8R*6 (SE spec)	Triple grouser	600 (24")	A
		700 (28")	B
		800 (31.5")*	C
PC400LC-7	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC430-8	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC450LC-8 PC450LC-8R	Triple grouser	600 (24")*	A
		700 (28")	B
PC450LC-7*9	Triple grouser	600 (24")*	A
PC460LC-8*9	Double grouser	600 (24")*	A
PC490LC-11 PC490LC-11***	Triple grouser	700 (28")*	B
		800 (31.5")	C
		900 (35.5")	C
PC490-11*4	Triple-grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
PC490LC-11*4	Triple-grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
PC490LC-10	Triple grouser	900 (35.5")	C
		600 (24")	A
		700 (28")*	B
PC500LC-10M0 PC500LC-10R	Triple-grouser	800 (31.5")	C
		600 (24")*	A
		700 (28")	B
PC500LC-8 PC500LC-8R	Triple grouser	800 (31.5")	C
		600 (24")	A
PC550LC-8	Triple grouser	600 (24")*	A
		750 (28")	B
PC600-8E0 PC600-8R1	Triple grouser	600 (24")*	A
		750 (28")	B
PC600LC-8E0 PC600LC-8R1	Triple grouser	600 (24")*	A
		750 (28")	B
		900 (35.5")	C
PC650LC-11	Triple grouser	600 (24")	A
		750 (30")	B
		900 (35.5")*	C
PC650LC-8E0*5 PC650LC-8E0*5 (SE spec)	Double grouser	600 (24")*	A

Model	Shoe type	Shoe width mm (in.)	Application**
PC700LC-11*4	Double grouser	610 (24")*	A
		710 (28")	A
		810 (32")	B
		910 (36")	C
PC700LC-8E0 PC700LC-8R PC700LC-8E0*5	Double grouser	610 (24")*	A
		710 (28")	B
PC800-8E0 (SE spec) PC800-8R1 (SE spec)	Double grouser	610 (24")*	A
		710 (28")	A
		810 (32")	B
		910 (36")	B
		1010 (40")	C
PC800LC-8E0 (SE spec) PC800LC-8R1 (SE spec)	Double grouser	810 (32")*	A, B
		1010 (40")	C
PC850-8E0 (SE spec) PC850-8R1 (SE spec)	Double grouser	610 (24")*	A
		710 (28")	A
PC1250-11	Double grouser	700 (28")*	A
		1000 (29")	B
PC1250-8 PC1250-8R PC1250-7 (SP spec)	Double grouser	700 (28")*	A, B
PC1250-8R*6	Double grouser	700 (28")*	A
PC1250LC-11	Double grouser	1000 (29")*	A, B
		1200 (47")	B
PC1250LC-8	Double grouser	1000 (39.4")*	B
		1200 (47.2")	B
PC2000-11	Double grouser	810 (32")*	A
		Triple grouser	1010 (40")
PC2000-8	Double grouser	810 (32")*	A
		1010 (40")	B
PC3000-6	Double grouser	800 (31.4")*	A
		1000 (39.3")	B
		1200 (47.2")	B
PC4000-11	Double grouser	1200 (47")	A
		1500 (59")	B
PC4000-6	Double grouser	1200 (47.2")*	A
		1500 (59")	B
PC5500-6	Double grouser	1350 (53")*	A
		1800 (71")	B
PC7000-6	Double grouser	1500 (59")	A
		1900 (75")	B
PC8000-6	Double grouser	1500 (59")*	A
		1900 (75")	B

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Model	Shoe type	Shoe width mm (in.)	Application**
HB205-1M0	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
HB215LC-1M0	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
HB205-1M0*4 HB215LC-1M0*4	Triple grouser	600 (24")*	A
HB215LC-3 HB215LC-2	Triple grouser	700 (28")*	B
		800 (31.5")	C
HB215LC-2***	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		900 (35.5")	C
HB335LC-1	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
HB365LC-3	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		850 (33.5")	C
HB365LC-3***	Triple grouser	600 (24")	A
		700 (28")*	B
		800 (31.5")	C
		850 (33.5")	C
HB365NLC-3***	Triple grouser	600 (24")*	A
		700 (28")	B
		800 (31.5")	C
HB365LC-1	Triple grouser	600 (24")*	A
		700 (28")	B

*: Standard shoe

** : See classification of the application

***: UK source

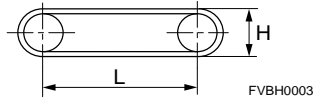
*4: China source

Classification of the applications:

Classification	Applicable terrain	Limitations
A	Rocky terrain, river banks, & general terrain	1. Use low gear for traveling over harsh terrain with various obstacles such as rolling stones and fallen trees.
B	General or soft terrain	1. Not applicable for traveling over harsh terrain with rolling stones and fallen trees. 2. Travel in high gear only on flat ground ; use half speed in low gear for going over the obstacles, if they are unavoidable.
C	Extremely soft terrain (swamps)	1. Applicable only when "A" & "B" sink. 2. Not applicable for traveling over harsh terrain with rolling stones and fallen trees. 3. Travel in high gear only on flat terrain ; use half speed in low gear for going over the obstacles if they are unavoidable.
D	Paved road	1. Rubber pad shoes must be used mainly in machine operation on paved road surfaces. If used on unpaved surfaces, shoe durability will be badly deteriorated due to rubber cracks, cutouts etc. The following operations must be avoided. (a) Work on broken concrete, gravel, etc. (b) Work on sharp projections like reinforcing iron rods, glass, etc. (c) Riding on concrete road shoulder, operation on bedrock and in rivers with abundance of stones, pebbles, etc. 2. In operation on roads covered with water, ice, snow, gravel etc. be careful to avoid the shoes slipping, especially in carrying or unloading operation of a machine on or from a truck. 3. In operation at high temperature (65°C or higher) or at low temp. (-25°C or lower), the rubber will be liable to damage because of the changes in the physical properties.

NOTE: Select the narrowest possible shoes, depending on the flotation and ground pressure of the machines. If the shoe is too wide, the load on the track shoe increases and results in bends in the shoes, cracks in the links, breakage and slipping out of the pins and loosening of the bolts.

Definition: Ground pressure = machine operating weight / total ground contact area
where ; total ground contact area = (L + 0.35H) × shoe width × 2



H = Track height
L = Distance between centers of sprocket and front idler

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC18MR-3	Double grouser	230 (9")	6080 (942)	0.30 (4.27)	+60 (132)	:1.76 m (5'9")
	Rubber	230 (9")*	6080 (942)	0.29 (4.12)	±0	:0.965 m (3'2") :0.044 m ³ (0.058 cu.yd)
PC20MR-3	Double grouser	250 (10")	7980 (1225)	0.28 (4.6)	+104 (229)	:1.81 m (5'11")
	Rubber	250 (10")*	7980 (1225)	0.27(3.84)	±0	:0.97 m (3'2")
	Rubber pad	250 (10")	7980 (1225)			:0.066 m ³ (0.86 cu.yd)
PC30MR-5	Rubber	300 (12")*	10530 (1632)	0.30 (4.27)	A)0	:2.285 m (7'6")
	Double grouser	300 (12")	10530 (1632)	0.31 (4.41)	+110 (243)	:1.24 m (4'1")
	Road liner	300 (12")	10530 (1632)	0.31 (4.41)	+130 (287)	:0.09 m ³ (0.12 cu.yd)
PC30MR-5* ⁹	Rubber	300 (12")*	10530 (1632)	0.30 (4.27)	±0	:2.285 m (7'6")
	Double grouser	300 (12")	10530 (1632)	0.32 (4.59)	+110 (243)	:1.24 m (4'1")
	Road liner	300 (12")	10530 (1632)	0.32 (4.62)	+130 (287)	:0.09 m ³ (0.12 cu.yd)
PC30MR-3	Double grouser	300 (12")	10530 (1632)	0.31 (4.41)	+118 (260)	:2.285 m (7'6")
	Rubber	300 (12")*	10530 (1632)	0.30 (4.27)	±0	:1.24 m (4'1")
	Road liner	300 (12")	10530 (1632)	0.31 (4.41)	+170 (375)	:0.09 m ³ (0.12 cu.yd)
	Rubber pad	300 (12")	10530 (1632)	0.31 (4.41)	+162 (357)	
PC35MR-5	Rubber	300 (12")*	10530 (1632)	0.36 (5.12)	±0	:2.54 m (8'4")
	Double grouser	300 (12")	10530 (1632)	0.37 (5.26)	+110 (243)	:1.72 m (5'8")
	Road liner	300 (12")	10530 (1632)	0.37 (5.26)	+130 (287)	:0.09 m ³ (0.12 cu.yd)
PC35MR-5* ⁹	Rubber	300 (12")*	10530 (1632)	0.35 (5.03)	±0	:2.54 m (8'4")
	Double grouser	300 (12")	10530 (1632)	0.36 (5.18)	+110 (243)	:1.72 m (5'8")
	Road liner	300 (12")	10530 (1632)	0.37 (5.21)	+130 (287)	:0.09 m ³ (0.12 cu.yd)
PC35MR-3	Double grouser	300 (12")	10530 (1632)	0.35 (5.0)	+88 (194)	:2.54 m (8'5")
	Rubber	300 (12")*	10530 (1632)	0.34 (4.83)	±0	:1.37 m (4'5")
	Rubber pad	300 (12")	10530 (1632)	0.36 (5.12)	+170 (375)	:0.11 m ³ (0.14 cu.yd)
	Road liner	300 (12")	10530 (1632)	0.35 (5.0)	+162 (357)	
PC45MR-5	Rubber	400 (16")*	17540 (2719)	0.29 (4.12)	±0	:2.64 m (8'8")
	Triple grouser	400 (16")	17540 (2719)	0.29 (4.12)	+70 (154)	:1.695 m (5'7")
	Road liner	400 (16")	17540 (2719)	0.29 (4.12)	+70 (154)	:0.14 m ³ (0.18 cu.yd)
PC45MR-5M0* ⁹	Rubber	400 (16")*	17540 (2719)	0.28 (4.01)	±0	:2.64 m (8'8")
	Triple grouser	400 (16")	17540 (2719)	0.29 (4.09)	+70 (154)	:1.375 m (4'6")
	Road liner	400 (16")	17540 (2719)	0.29 (4.09)	+70 (154)	:0.14 m ³ (0.18 cu.yd)
PC45MR-3 PC45MR-3* ⁶	Triple grouser	400 (16")	17540 (2719)	0.28 (4.0)	+70 (154)	:2.74 m (9'0")
	Rubber	400 (16")*	17540 (2719)	0.27 (3.8)	±0	:1.44 m (4'9")
	Rubber pad	400 (16")	17540 (2719)	0.29 (4.1)	+250 (551)	:0.14 m ³ (0.18 cu.yd)
	Road liner	400 (16")	17540 (2719)	0.28 (4.0)	+90 (198)	
PC55MR-5	Rubber	400 (16")*	17540 (2719)	0.29 (4.18)	±0	:2.9 m (9'6")
	Triple grouser	400 (16")	17540 (2719)	0.30 (4.23)	+70 (154)	:1.64 m (5'5")
PC55MR-5* ⁹	Road liner	400 (16")	17540 (2719)	0.30 (4.23)	+70 (154)	:0.16 m ³ (0.21 cu.yd)
	Rubber	400 (16")*	17540 (2719)	0.30 (4.27)	±0	:2.9 m (9'6")
	Triple grouser	400 (16")	17540 (2719)	0.31 (4.34)	+70 (154)	:1.64 m (5'5")
PC55MR-3	Road liner	400 (16")	17540 (2719)	0.31 (4.34)	+70 (154)	:0.16 m ³ (0.21 cu.yd)
	Triple grouser	400 (16")	17540 (2719)	0.29 (4.1)	+70 (154)	:2.9 m (9'6")
	Rubber	400 (16")*	17540 (2719)	0.29 (4.1)	±0	:1.64 m (5'5")
	Rubber pad	400 (16")	17540 (2719)	0.30 (4.3)	+250 (551)	:0.16 m ³ (0.21 cu.yd)
	Road liner	400 (16")	17540 (2719)	0.29 (4.1)	+90 (198)	

- * Standard shoe
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- *** UK source
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- *5 India source
- *6 Thailand source
- *7 Indonesia source
- *8 Brazil source
- *9 Italy source
- *10 for USA
- *11 for UK
- *12 Russia source

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC56-7	Triple grouser	400 (16")*	17365 (2692)	0.31 (4.41)	±0	:2.9 m (9'6") :1.64 m (5'5") :0.20 m ³ (0.26 cu.yd)
PC60-8	Triple grouser	450 (18")*	21070 (3266)	0.29 (4.12)	±0	:3.65 m (12'0") :1.55 m (5'1") :0.25 m ³ (0.33 cu.yd)
PC70-8 PC70-8*4	Triple grouser	450 (18")*	21070 (3266)	0.31 (4.41)	±0	:3.71 m (12'2") :1.65 m (5'5") :0.30 m ³ (0.39 cu.yd)
PC71-7	Triple grouser	450 (18")*	21070 (3266)	0.34 (4.83)	±0	:3.71 m (12'2") :1.65 m (5'5") :0.30 m ³ (0.39 cu.yd)
PC78US-10	Triple grouser	450 (18")	22200 (3441)	0.36 (5.06)	-140 (309)	:3.71 m (12'2")
		600 (24")	29600 (4588)	0.27 (3.87)	+30 (375)	:2.25 m (7'5")
	Rubber	450 (18")	22200 (3441)	0.36 (5.09)	-60 (132)	:0.20 m ³ (0.26 cu.yd)
	Road liner	450 (18")*	22200 (3441)	0.36 (5.09)	±0	
PC78US-8	Triple-grouser	450 (18")*	22200 (3441)	0.32 (4.55)	±0	:3.71 m (12'2")
		600 (24")	29600 (4588)	0.24 (3.41)	+170 (375)	:1.65 m (5'5")
	Rubber pad	450 (18")	22200 (3441)	0.32 (4.55)	+80 (176)	:0.28 m ³ (0.37 cu.yd)
PC78UU-8	Triple grouser	450 (18")*	22200 (3441)	0.35 (4.98)	±0	:3.75 m (12'4")
		600 (24")	29600 (4588)	0.36 (5.15)	+80 (176)	:1.72 m (5'8")
	Road liner	450 (18")	22200 (3441)	0.36 (5.19)	+140 (309)	:0.28 m ³ (0.37 cu.yd)
PC80MR-5	Triple grouser	450 (18")*	22200 (3441)	0.36 (5.09)	+90 (198)	:3.20 m (10'6")
		600 (24")	29600 (4588)	0.36 (5.09)	±0	:1.65 m (5'5")
	Road liner	450 (18")	22200 (3441)	0.36 (5.09)	+70 (154)	:0.20 m ³ (0.26 cu.yd)
PC80MR-3	Triple grouser	450 (18")*	22200 (3441)	0.34 (4.83)	±0	:
		600 (24")	29600 (4586)	0.26 (3.70)	+170 (375)	:1.65 m (5'5")
	Rubber	450 (24")	22200 (3441)	0.35 (4.98)	+80 (176)	:0.2 m ³ (0.26 cu.yd)
PC88MR-10	Triple grouser	450 (18")	22200 (3441)	0.39 (5.50)	-140 (309)	:3.41 m (11'2")
		600 (24")	29600 (4588)	0.30 (4.20)	+30 (66)	:2.10 m (6'11")
	Road liner	450 (18")	22200 (3441)	0.38 (5.41)	-220 (485)	:0.20 m ³ (0.26 cu.yd)
PC88MR-10*9	Triple grouser	450 (18")*	22200 (3441)	0.39 (5.54)	±0	:3.41 m (11'2")
		600 (24")	29600 (4588)	0.30 (4.26)	+170 (375)	:2.10 m (6'11")
	Road liner	450 (18")	22200 (3441)	0.39 (5.55)	+140 (309)	:0.20 m ³ (0.26 cu.yd)
PC88MR-8 PC88MR-8*9	Triple grouser	450 (18")*	22200 (3441)	0.37 (5.26)	±0	:3.4 m (11'2")
		600 (24")	29600 (4588)	0.28 (3.98)	+170 (375)	:1.65 m (5'5")
	Road liner	450 (18")	22200 (3441)	0.37 (5.26)	-50 (110)	:0.28 m ³ (0.37 cu.yd)
	Road liner	450 (18")	22200 (3441)	0.37 (5.26)	+80 (176)	
PC110-8M0	Triple grouser	500 (20")*	28770 (4459)	0.39 (5.54)	±0	:4.26 m (14'0") :2.36 m (7'9") :0.48 m ³ (0.63 cu.yd)
PC118MR-8	Triple grouser	500 (20")*	27640 (4284)	0.43 (6.11)	±0	:
	Road liner	500 (20")	27640 (4284)	0.43 (6.11)	+120 (265)	:2.0 m (6'7") :0.38 m ³ (0.50 cu.yd)
PC130-8 PC130-8*6	Triplegrouser	500 (20")*	31285 (4849)	0.39 (5.55)	±0	:4.6 m (15'1")
		600 (24")	37540 (5819)	0.33 (4.69)	+180 (397)	:2.5 m (8'2")
		700 (28")	43800 (6789)	0.29 (4.12)	+360 (794)	:0.5 m ³ (0.65 cu.yd)
PC130-8*8	Triple grouser	500 (20")*	31285 (4849)	0.41 (5.83)	±0	:4.6 m (15'1")
		600 (24")	37540 (5819)	0.35 (4.98)	+180 (397)	:2.5 m (8'2")
		700 (28")	43800 (6789)	0.30 (4.27)	+360 (794)	:0.6 m ³ (0.78 cu.yd)
PC130-8M0*4	Triple grouser	500 (20")*	31285 (4849)	0.41 (5.83)	±0	:4.6 m (15'1")
		600 (24")	37540 (5819)	0.35 (4.98)	+180 (397)	:2.5 m (8'2")
		700 (28")	43800 (6789)	0.30 (4.27)	+360 (794)	:0.53 m ³ (0.69 cu.yd)

* Standard shoe *4 China source *8 Brazil source *12 Russia source
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 *** UK source *6 Thailand source *10 for USA
 *7 Indonesia source *11 for UK

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

Ground Pressure

EXCAVATORS (BACKHOE)

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC130-7* ⁵	Triple-grouser	500 (20")*	31285 (4849)	0.39 (5.55)	±0	:4.6 m (15'1") :2.1 m (6'11") :0.64 m ³ (0.83 cu.yd)
PC130F-7	Triple grouser	900 (35.4")*	56310 (8728)	0.26 (3.70)	±0	:4.26 m (14'0")
	Single grouser	960 (37.8")	60070 (9311)	0.25 (3.56)	+335 (739)	:2.36 m (7'9") :0.50 m ³ (0.65 cu.yd)
PC138US-11* ⁹	Triple grouser	500 (20")*	31600 (4898)	0.48 (6.83)	±0	:4.6 m (15'1")
		600 (24")	37920 (5878)	0.41 (5.83)	+170 (375)	:2.5 m (8'2")
		700 (28")	44240 (6857)	0.35 (4.98)	+350 (772)	:0.5 m ³ (0.65 cu.yd)
	Road liner	500 (20")	31285 (4849)	0.49 (6.97)	+110 (243)	
PC138US-8	Triple grouser	500 (20")*	31600 (4898)	0.43 (6.11)	±0	:4.6 m (15'1")
		600 (24")	37920 (5878)	0.36 (5.12)	+190 (419)	:2.5 m (8'2")
		700 (28")	44240 (6857)	0.31 (4.41)	+370 (408)	:0.50 m ³ (0.65 cu.yd)
PC138USLC-11* ¹⁰	Triple grouser	500 (20")	33520 (4698)	0.43 (6.11)	-180 (397)	:4.6 m (15'1")
		600 (24")*	40220 (5637)	0.36 (5.12)	±0	:2.5 m (8'2")
		700 (28")	46930 (7274)	0.31 (4.48)	+200 (441)	:0.5 m ³ (0.65 cu.yd)
	Road liner	500 (20)	33520 (4698)			
PC160LC-8	Triple grouser	500 (20")*	34750 (5386)	0.49 (6.97)	±0	:5.15 m (16'11")
		600 (24")	41700 (6464)	0.41 (5.83)	+220 (485)	:2.61 m (8'7")
		700 (28")	48650 (7541)	0.35 (4.98)	+440 (970)	:0.65 m ³ (0.85 cu.yd)
PC160LC-8* ⁶	Triple grouser	500 (20")*	34750 (5386)	0.49 (6.97)	±0	:5.15 m (16'11")
		600 (24")	41700 (6464)	0.41 (5.83)	+220 (485)	:2.6 m (8'6")
		700 (28")	48650 (7541)	0.36 (5.12)	+440 (970)	:0.74 m ³ (0.97 cu.yd)
PC160LC-8* ⁸	Triple grouser	500 (20")*	34750 (5386)	0.48 (6.83)	±0	:5.15 m (16'11")
		600 (24")	41700 (6464)	0.41 (5.83)	+220 (485)	:2.25 m (7'5")
		700 (28")	48650 (7541)	0.36 (5.12)	+440 (970)	:0.80 m ³ (1.05 cu.yd)
PC160LC-8* ⁴	Triple grouser	500 (20")*	34750 (5386)	0.48 (6.83)	Δj0	:5.15 m (16'11")
		600 (24")	41700 (6464)	0.41 (5.83)	+220 (485)	:2.61 m (8'7")
		700 (28")	48650 (7541)	0.35 (4.98)	+440 (970)	:0.65 m ³ (0.85 cu.yd)
PC170LC-11	Triple grouser	600 (24")*	41700 (6464)	0.43 (5.98)	±0	:5.15 m (16'11")
		700 (28")	48650 (7541)	0.38 (5.12)	+220 (485)	:2.61 m (8'7")
		800 (31.5")	55600 (8618)	0.33 (4.55)	+440 (970)	:0.65 m ³ (0.85 cu.yd)
PC170LC-11* ⁹	Triple grouser	500 (20")*	34750 (5386)	0.51 (7.25)	±0	:5.15 m (16'11")
		600 (24")	41700 (6464)	0.43 (6.11)	+200 (441)	:2.6 m (8'6")
		700 (28")	48650 (7541)	0.37 (5.26)	+400 (882)	:0.65 m ³ (0.85 cu.yd)
		800 (31.5")	55600 (8618)	0.33 (4.69)	+600 (1323)	
PC170LC-10	Triple grouser	500 (20")*	34750 (5386)	0.50 (7.11)	±0	:5.15 m (16'11")
		600 (24")	41700 (6464)	0.42 (5.97)	+220 (485)	:2.61 m (8'7")
		700 (28")	48650 (7541)	0.37 (5.26)	+440 (970)	:0.65 m ³ (0.85 cu.yd)
PC170LC-10* ³	Triple grouser	500 (20")*	34750 (5386)	0.50 (6.83)	±0	:5.15 m (16'11")
		600 (24")	41700 (6464)	0.42 (5.98)	+220 (485)	:2.61m (8'7")
		700 (28")	48650 (7541)	0.36 (5.12)	+440 (970)	:0.65 m ³ (0.85 cu.yd)
		800 (31.5")	55600 (8618)	0.32 (4.55)	+660 (1455)	
PC195LC-8	Triple grouser	800 (31.5")*	57350 (8889)	0.34 (4.8)	±0	:5.15 m (16'11") :2.9 m (9'6") :0.9 m ³ (1.18 cu.yd)
PC200-8	Triple grouser	500 (20")	35660 (5527)	0.54 (7.68)	-100 (220)	:5.7 m (18'8")
		600 (24")*	42790 (6632)	0.46 (6.54)	±0	:2.925 m (9'7")
		700 (28")	49920 (7738)	0.40 (5.69)	+250 (551)	:0.80 m ³ (1.05 cu.yd)
		800 (31.5")	57050 (8843)	0.35 (4.98)	+510 (1124)	
PC200-8M0 PC200-8M0* ⁶	Triple grouser	500 (20")	35660 (5527)	0.55 (7.82)	-100 (220)	:5.7 m (18'8")
		600 (24")*	42790 (6632)	0.47 (6.68)	±0	:2.925 m (9'7")
		700 (28")	49920 (7738)	0.41 (5.83)	+250 (551)	:0.80 m ³ (1.05 cu.yd)
		800 (31.5")	57050 (8843)	0.37 (5.26)	+510 (1124)	

* Standard shoe
** USA source
*** UK source

*4 China source
*5 India source
*6 Thailand source
*7 Indonesia source

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*10 for USA
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*12 Russia source

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

Ground Pressure

EXCAVATORS (BACKHOE)

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC200-8M0*12	Triple grouser	500 (20")	35660 (5527)	0.56 (7.96)	-100 (220)	:5.7 m (18'8")
		600 (24")*	42790 (6632)	0.47 (6.68)	±0	:2.93 m (9'7")
		700 (28")	49920 (7738)	0.41 (5.83)	+300 (660)	:0.8 m ³ (1.05 cu.yd)
		800 (31.5")	57050 (9785)	0.38 (5.40)	+600 (1320)	
PC200-8M0*7	Triple grouser	800 (31.5")	57050 (9785)	0.36 (5.12)	±0	:5.7 m (18'8") :2.925 m (9'7") :1.0 m ³ (1.31 cu.yd)
PC200-8M0*4	Triple grouser	600 (24")*	42790 (6632)	0.47 (6.54)	±0	:5.7 m (18'8")
		800 (31.5")	57050 (8843)	0.36 (5.12)	+500 (1100)	:2.925 m (9'7") :0.8 m ³ (1.05 cu.yd)
PC200-8M0*8	Triple grouser	600 (24")*	42790 (6632)	0.48 (6.83)	±0	:5.7 m (18'8")
		700 (28")	49920 (7738)	0.42 (5.97)	+300 (660)	:2.4 m (7'10")
		800 (31.5")	57050 (9785)	0.37 (5.26)	+600 (1320)	:1.2 m ³ (1.57 cu.yd)
PC200F-8M0	Triple grouser	600 (24")*	42790 (6632)	0.53 (7.54)	±0	:5.7 m (18'8")
		800 (31.5")	57050 (8843)	0.41 (5.83)	+630 (1390)	:2.925 m (9'7")
PC200F-8*8	Triple grouser	600 (24")*	42790 (6632)	0.53 (7.54)	±0	:5.7 m (18'8") :2.925 m (9'7")
PC200LC-8	Triple grouser	600 (24")	47350 (7339)	0.44 (6.26)	-270 (595)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.38 (5.40)	±0	:2.925 m (9'7")
		800 (31.5")	63130 (9785)	0.34 (4.83)	+280 (617)	:0.80 m ³ (1.05 cu.yd)
		900 (35.4")	71020 (11008)	0.30 (4.27)	+560 (1235)	
PC200LC-8M0 PC200LC-8M0*6	Triple grouser	600 (24")	47350 (7339)	0.45 (6.40)	-270 (595)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.39 (5.55)	±0	:2.925 m (9'7")
		800 (31.5")	63130 (9785)	0.35 (4.98)	+280 (617)	:0.80 m ³ (1.05 cu.yd)
		900 (35.4")	71020 (11008)	0.30 (4.27)	+560 (1235)	
PC200LC-8M0*4	Triple grouser	600 (24")	47350 (7339)	0.45 (6.40)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.35 (4.98)	+550 (1210)	:2.4 m (9'6") :0.8 m ³ (1.05 cu.yd)
PC200LC-8M0*12	Triple grouser	600 (24")	47350 (7339)	0.44 (6.26)	-400 (880)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.36 (5.12)	±0	:2.93 m (9'7")
		800 (31.5")	63130 (9785)	0.34 (4.83)	+300 (660)	:0.8 m ³ (1.05 cu.yd)
		900 (35.4")	71020 (11008)	0.31 (4.41)	+600 (1320)	
PC200LC-8M0*8	Triple grouser	700 (28")*	55240 (8562)	0.40 (5.12)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.35 (4.83)	+170 (375)	:2.93 m (9'7") :1.2 m ³ (1.57 cu.yd)
PC210-11***	Triple grouser	600 (24")*	42790 (6632)	0.52(7.39)	±0	:5.7 m (18'8")
		700 (28")	49920 (7738)	0.45 (6.40)	+250 (550)	:2.9 m (9'6")
		800 (31.5")	57050 (8843)	0.40 (5.69)	+540 (1190)	:0.8 m ³ (1.05 cu.yd)
PC210-10M0	Triple grouser	500 (20")	35660 (5527)	0.57 (8.10)	-100 (220)	:5.7 m (18'8")
		600 (24")*	42790 (6632)	0.48 (6.83)	±0	:2.925 m (9'7")
		700 (28")	49920 (7738)	0.42 (5.97)	+400 (882)	:1.0 m ³ (1.31 cu.yd)
		800 (31.5")	57050 (8843)	0.37 (5.26)	+600 (1323)	
PC210-8M0*4	Triple grouser	600 (24")*	42790 (6632)	0.47 (6.54)	±0	:5.7 m (18'8")
		800 (31.5")	57050 (8843)	0.36 (5.12)	+700 (1545)	:2.925 m (9'7") :0.90 m ³ (1.18 cu.yd)
PC210LC-11	Triple grouser	700 (28")*	55240 (8562)	0.39 (5.61)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.35 (4.98)	+300 (660)	:2.925 m (9'7") :0.80 m ³ (1.05 cu.yd)
PC210LC-11**	Triple grouser	700 (28")*	55240 (8562)	0.44 (6.26)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.39 (5.55)	+280 (620)	:2.925 m (9'7") :1.02 m ³ (1.34 cu.yd)
PC210LC-11***	Triple grouser	600 (24")	47350 (7339)	0.48 (6.83)	-270 (595)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.41 (5.83)	±0	:2.9 m (9'6")
		800 (31.5")	63130 (9785)	0.37 (5.26)	+270 (595)	:0.8 m ³ (1.05 cu.yd)
		900 (35.4")	71020 (11008)	0.33 (4.69)	+590 (1300)	

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Ground Pressure

**EXCAVATORS
(BACKHOE)**

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC210LC-10	Triple grouser	600 (24")	47350 (7339)	0.45 (6.40)	-400 (880)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.39 (5.58)	±0	:2.9 m (9'6")
		800 (31.5")	63130 (9785)	0.35 (4.95)	+300 (660)	:0.8 m ³ (1.05 cu.yd)
		900 (35.4")	71020 (11008)	0.31 (4.45)	+600 (1323)	
PC210LC-10M0	Triple grouser	600 (24")	47350 (7339)	0.45 (6.40)	-400 (882)	:5.7 m (18'8")
		700 (28")*	55240 (8562)	0.39 (5.59)	±0	:2.925 m (9'7")
		800 (31.5")	63130 (9785)	0.35 (4.96)	+300 (661)	:1.0 m ³ (1.31 cu.yd)
PC210NLC-11***	Triple grouser	500 (20")	39490 (6121)	0.57 (8.11)	±0	:5.7 m (18'8")
		600 (24")	47390 (7345)	0.48 (6.83)	+360 (790)	:2.9 m (9'6")
		700 (28")*	55290 (8570)	0.42 (5.97)	+630 (1390)	:0.80 m ³ (1.05 cu.yd)
PC210LC-10M0	Triple grouser	700 (28")*	55240 (8562)	0.39 (5.59)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.35 (4.96)	+280 (620)	:2.93 m (9'7")
						:1.0 m ³ (1.31 cu.yd)
PC210NLC-8*12	Triple grouser	500 (20")*	39490 (6121)	0.57 (8.11)	±0	:5.7 m (18'8") :2.93 m (9'7") :1.0 m ³ (1.31 cu.yd)
PC210LC-8M0*4	Triple grouser	600 (24")*	47350 (7339)	0.48 (6.83)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.37 (5.26)	+550 (1210)	:2.93 m (9'7")
						:0.94 m ³ (1.23 cu.yd)
PC210LC-8M0*5	Triple grouser	500 (20")	39460 (6116)			:5.7 m (18'8")
		600 (24")*	47350 (7339)	0.46 (6.49)	±0	:2.4 m (7'10")
		800 (31.5")	63130 (9785)			:1.1 m ³ (1.44 cu.yd)
PC220-8	Triple grouser	600 (24")*	44710 (6930)	0.51 (7.25)	±0	:5.85 m (19'2")
		700 (28")	52160 (8085)	0.45 (6.40)	+260 (573)	:3.045 m (10'0")
		800 (31.5")	59610 (8821)	0.39 (5.55)	+520 (1146)	:1.0 m ³ (1.31 cu.yd)
PC220-8M0*4	Triple grouser	600 (24")*	44710 (6930)	0.52 (7.39)	±0	:5.85 m (19'2")
		800 (31.5")	59610 (8821)	0.39 (5.55)	+600 (1320)	:3.05 m (10' 0")
						:1.03 m ³ (1.35 cu.yd)
PC220-8M0 PC220-8M0*12	Triple grouser	600 (24")*	44710 (6930)	0.51 (7.25)	±0	:5.85 m (19' 2")
		700 (28")	52160 (8085)	0.45 (6.40)	+200 (440)	:3.05 m (10' 0")
		800 (31.5")	59610 (8821)	0.40 (5.69)	+500 (1100)	:1.0 m ³ (1.31 cu.yd)
PC220LC-8	Triple grouser	600 (24")	49330 (7646)	0.49 (7.00)	-280 (617)	:5.85 m (19'2")
		700 (28")*	57550 (8920)	0.42 (5.97)	±0	:3.045 m (10'0")
		800 (31.5")	65770 (10194)	0.37 (5.26)	+280 (617)	:1.0 m ³ (1.31 cu.yd)
PC220LC-8M0		600 (24")*	49330 (7646)	0.49 (6.97)	±0	:5.85 m (19' 2")
PC220LC-8M0*12	Triple grouser	700 (28")	57550 (8920)	0.43 (6.11)	+300 (660)	:3.05 m (10' 0")
		800 (31.5")	65770 10194)	0.38 (5.40)	+600 (1320)	:1.0 m ³ (1.31 cu.yd)
PC228US-8	Triple grouser	600 (24")*	42310 (6558)	0.51 (7.25)	±0	:5.7 m (18'8")
		700 (28")	49360 (7651)	0.45 (6.40)	+380 (840)	:2.9 m (9'7")
		800 (31.5")	56410 (8744)	0.40 (5.69)	+630 (1390)	:0.80 m ³ (1.05 cu.yd)
PC228USLC-11*11	Triple grouser	600 (24")*	47520 (7366)	0.51 (7.25)	Δ0	:5.7 m (18'8")
		700 (28")	55440 (8593)	0.45 (6.40)	+270 (595)	:2.93 m (9'7")
		800 (31.5")	63360 (9821)	0.39 (5.55)	+550 (1215)	:0.8 m ³ (1.05 cu.yd)
	Road liner	600 (24")	47520 (7366)	0.49 (7.00)	-140 (309)	:0.8 m ³ (1.05 cu.yd)
PC230NHD-11***	Triple grouser	550 (21.7")*	40984 (6353)	0.57 (8.1)	±0	:5.7 m (19'2") :2.4 m (10'0") :0.63 m ³ (0.82 cu.yd)
PC240LC-11	Triple grouser	700 (28")*	57550 (8920)	0.43 (6.15)	±0	:5.85 m (19'2")
		800 (31.5")	65770 (10194)	0.38 (5.45)	+300 (660)	:3.0 m (9'10")
		900 (35.4")	73990 (11468)	0.34 (4.83)	+600 (1325)	:1.0 m ³ (1.31 cu.yd)
PC240LC-11**	Triple grouser	700 (28")*	57550 (8920)	0.44 (6.26)	±0	:5.85 m (19'2")
		800 (31.5")	65770 (10194)	0.39 (5.55)	+280 (615)	:3.05 m (10'0")
						:1.42 m ³ (1.85 cu.yd)

* Standard shoe *4 China source *8 Brazil source *12 Russia source
 ** USA source *5 India source *9 Italy source
 *** UK source *6 Thailand source *10 for USA
 *7 Indonesia source *11 for UK

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC240LC-11***	Triple grouser	600 (24")	49330 (7646)	0.51 (7.25)	-300 (660)	:5.85 m (19'2")
		700 (28")*	57550 (8920)	0.44 (6.26)	±0	:3.0 m (9'10")
		800 (31.5")	65770 (10194)	0.39 (5.55)	+300 (660)	:1.0 m ³ (1.31 cu.yd)
		900 (35.4")	73990 (11468)	0.35 (4.98)	+600 (1325)	
PC240NLC-11***	Triple grouser	600 (24")*	47050 (7293)	0.52 (7.39)	±0	:5.85 m (19'2")
		700 (28")	54890 (8508)	0.45 (6.40)	+300 (660)	:3.0 m (9'10")
		800 (31.5")	62730 (9723)	0.40 (5.69)	+600 (1325)	:1.73 m ³ (2.26cu.yd)
PC240LC-10	Triple grouser	700 (28")*	57550 (8920)	0.42 (5.97)	±0	:5.85 m (19'2")
		800 (31.5")	65770 (10194)	0.38 (5.39)	+290 (639)	:3.05 m (9'10")
						:1.0 m ³ (1.31 cu.yd)
PC240LC-8M0*4	Triple grouser	600 (24")*	47050 (7293)	0.52 (7.39)	±0	:5.85 m (19'2")
		800 (31.5")	62730 (9723)	0.40 (5.69)	+650 (1430)	:3.05 m (10'0")
						:1.20 m ³ (1.57 cu.yd)
PC240LC-8*8	Triple grouser	600 (24")*	49330 (7646)	0.50 (7.25)	±0	:5.85 m (19'2")
		700 (28")	57550 (8920)	0.44 (6.26)	+280 (615)	:2.5 m (8'2")
		800 (31.5")	65770 (10194)	0.39 (5.55)	+550 (1215)	:1.0 m ³ (1.31 cu.yd)
PC270-8	Triple grouser	600 (24")*	48280 (7483)	0.56 (7.96)	±0	:5.85 m (19'2")
		700 (28")	56330 (8731)	0.49 (6.97)	+110 (243)	:3.05 m (10'0")
		800 (31.5")	64370 (9977)	0.43 (6.11)	+460 (1010)	:1.26 m ³ (1.65 cu.yd)
PC270-8*4	Triple grouser	600 (24")*	48280 (7483)	0.59 (8.39)	±0	:5.85 m (19'2")
						:3.05 m (10'0")
						:1.30 m ³ (1.70 cu.yd)
PC270LC-8	Triple grouser	600 (24")	52450 (8130)	0.53 (7.54)	-600 (1323)	:5.85 m (19'2")
		700 (28")*	61190 (9484)	0.47 (6.68)	±0	:3.05 m (10'0")
		800 (31.5")	69930 (10839)	0.41 (5.83)	+380 (838)	:1.26 m ³ (1.65 cu.yd)
PC290LC-11	Triple grouser	700 (28")	61190 (9484)	0.49 (6.97)	-380 (840)	:6.15 m (20'2")
		800 (31.5")*	69930 (10839)	0.43 (6.11)	±0	:3.2 m (10'6")
		850 (33.5")	74300 (11517)	0.41 (5.83)	+200 (441)	:114 m ³ (1.49 cu.yd)
PC290LC-11**	Triple grouser	700 (28")	61190 (9484)	0.52 (7.39)	-380 (840)	:6.15 m (20'2")
		800 (31.5")*	69930 (10839)	0.46 (6.54)	±0	:3.2 m (10'6")
		850 (33.5")	74300 (11517)	0.44 (6.26)	+250 (550)	:163 m ³ (2.13 cu.yd)
PC290LC-11***	Triple grouser	600 (24")	52450 (8230)	0.57 (8.11)	-400 (880)	:6.15 m (20'2")
		700 (28")*	61190 (9484)	0.50 (7.11)	±0	:3.2 m (10'6")
		800 (31.5")	69930 (10839)	0.44 (6.40)	+400 (880)	:1.2 m ³ (1.57 cu.yd)
		850 (33.5")	74300 (11517)	0.42 (5.97)	+600 (1323)	
PC290NLC-11***	Triple grouser	600 (24")*	52450 (8230)	0.57 (8.11)	±0	:6.15 m (20'2")
		700 (28")	61190 (9484)	0.50 (7.11)	+400 (880)	:3.2 m (10'0")
		800 (31.5")	69930 (10839)	0.44 (6.40)	+800 (1763)	:1.6 m ³ (2.09 cu.yd)
		850 (33.5")	74300 (11517)	0.42 (5.97)	+1000 (2205)	
PC290LC-10	Triple grouser	700 (28")	61190 (9484)	0.48 (6.83)	-380 (840)	:5.85 m (19'2")
		800 (31.5")*	69930 (10839)	0.43 (6.16)	±0	:3.05 m (10'0")
						:1.26 m ³ (1.65 cu.yd)
PC290LC-8	Triple grouser	600 (24")*	52450 (8230)	0.56 (7.92)	±0	:5.85 m (19'2")
		700 (28")	61190 (9484)	0.49 (6.97)	+780 (1720)	:3.05 m (10'6")
		800 (31.5")	69930 (10839)	0.44 (6.24)	+1470 (3241)	:1.2 m ³ (1.57 cu.yd)
PC300-8 PC300-8M0 PC300-8M0** PC300-8M0*6 PC300-8M0*12	Triple grouser	600 (24")*	48280 (7483)	0.64 (9.16)	±0	:6.47 m (21'3")
		700 (28")	56330 (8731)	0.56 (7.99)	+560 (1235)	:3.185 m (10'5")
		800 (31.5")	64370 (9977)	0.49 (7.00)	+910 (2006)	:1.4 m ³ (1.83 cu.yd)
PC300-8M0*7 (SE spec)	Triple grouser	600 (24")	48280 (7483)	0.70 (9.91)	-760 (1675)	:6.0 m (19'8")
		700 (28")	56330 (8731)	0.60 (5.59)	-380 (838)	:2.6 m (8'6")
		800 (31.5")*	64370 (9977)	0.53 (7.60)	±0	:2.3 m ³ (3.01 cu.yd)
PC300-8M0*4	Triple grouser	600 (24")*	48280 (7483)	0.66 (9.39)	±0	:6.47 m (21'3")
		700 (28")	56330 (8731)	0.57 (8.11)	+150 (330)	:3.185 m (10'5")
		800 (31.5")	64370 (9977)	0.50 (7.11)	+500 (1100)	:1.4 m ³ (1.83 cu.yd)

* Standard shoe *4 China source *8 Brazil source *12 Russia source
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NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

Ground Pressure

**EXCAVATORS
(BACKHOE)**

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC300LC-8 PC300LC-8M0 PC300LC-8M0** PC300LC-8M0*12	Triple grouser	600 (24")	52230 (8096)	0.60 (8.47)	-600 (838)	:6.47 m (21'3")
		700 (28")*	60940 (9446)	0.53 (7.48)	±0	:3.185 m (10'5")
		800 (31.5")	69650 (10796)	0.47 (6.63)	+380 (840)	:1.4 m ³ (1.83 cu.yd)
PC300-7*5	Triple grouser	600 (24")*	48280 (7483)	0.65 (9.24)	±0	:6.47 m (21'3")
		700 (28")	56330 (8731)	0.55 (7.82)	+360 (794)	:1.4 m ³ (1.83 cu.yd)
PC308USLC-3E0	Triple grouser	700 (28")*	60630 (9398)	0.53 (7.54)	-569 (1254)	:5.85 m (19'2")
		800 (31.5")	69291 (10740)	0.46 (6.54)	-192 (423)	:3.05 m (10'0")
		850 (33.5")	73622 (11411)	0.44 (6.28)	+500 (1100)	:1.21 m ³ (1.59 cu.yd)
PC350-8M0 PC350-8M0*** PC350-8M0*6	Triple grouser	600 (24")*	48280 (7483)	0.67 (9.39)	±0	:6.47 m (21'3")
		700 (28")	56330 (8731)	0.58 (8.25)	+360 (794)	:3.185 m (10'5")
						:1.4 m ³ (1.83 cu.yd)
PC350-8M0 (SE spec) PC350-8M0*** (SE spec) PC350-8M0*6 (SE spec)	Triple grouser	600 (24")*	48280 (7483)	0.67 (9.39)	±0	:6.0 m (19'8")
						:2.55 m (8'4")
						:1.90 m ³ (2.49 cu.yd)
PC350LC-8M0 PC350LC-8M0**	Triple grouser	600 (24")*	52230 (8096)	0.64 (9.16)	±0	:6.47 m (21'3")
		700 (28")	60940 (9446)	0.56 (7.48)	+380 (793)	:3.185 m (10'5")
						:1.4 m ³ (1.83 cu.yd)
PC350LC-8M0 (SE spec) PC350LC-8M0*** (SE spec)	Triple grouser	600 (24")*	52230 (8096)	0.64 (9.10)	±0	:6.0 m (19'8")
						:2.55 m (8'4")
						:1.90 m ³ (2.49 cu.yd)
PC350LC-8*8	Triple grouser	600 (24")*	52230 (8096)	0.67 (9.53)	±0	:6.47 m (21'3")
		700 (28")	60940 (9446)	0.59 (8.39)	+500 (1102)	:3.185 m (10'5")
		800 (31.5")	69650 (10796)	0.52 (7.39)	+902 (1989)	:1.4 m ³ (1.83 cu.yd)
PC350LC-7*5	Triple grouser	600 (24")*	52230 (8096)	0.66 (9.39)	±0	:6.47 m (21'3")
						:3.185 m (10'5")
						:1.4 m ³ (1.83 cu.yd)
PC360LC-11	Triple grouser	700 (28")	60940 (9446)	0.58 (8.31)	-380 (838)	:6.5 m (21'4")
		800 (31.5")*	69650 (10796)	0.51 (7.25)	±0	:3.185 m (10'5")
		850 (33.5")	74300 (11517)	0.49 (6.93)	+380 (838)	:1.96 m ³ (2.56 cu.yd)
PC360LC-11**	Triple grouser	700 (28")	60940 (9446)	0.59 (8.39)	-380 (838)	:6.47 m (21'3")
		800 (31.5")*	69650 (10796)	0.52 (7.39)	±0	:3.185 m (10'5")
		850 (33.5")	74300 (11517)	0.49 (6.97)	+380 (838)	:1.96 m ³ (2.56 cu.yd)
PC360LC-11***	Triple grouser	600 (24")	52230 (8096)	0.68 (9.67)	-380 (838)	:6.47 m (21'3")
		700 (28")*	60940 (9446)	0.59 (8.39)	±0	:3.2 m (10'6")
		800 (31.5")	69650 (10796)	0.52 (7.39)	+380 (838)	:2.66 m ³ (3.48 cu.yd)
		850 (33.5")	74000 (11470)	0.50 (7.11)	+570 (1257)	
PC360NLC-11***	Triple grouser	600 (24")*	52230 (8096)	0.68 (9.67)	±0	:6.47 m (21'3")
		700 (28")	60940 (9446)	0.59 (8.39)	+380 (838)	:3.2 m (10'6")
		800 (31.5")	69650 (10796)	0.52 (7.39)	+760 (1675)	:2.66 m ³ (3.48 cu.yd)
PC360LC-10	Triple grouser	700 (28")	60940 (9446)	0.56 (7.96)	-570 (1257)	:6.47 m (21'3")
		850 (33.5")*	74300 (11517)	0.47 (6.68)	±0	:3.185 m (10'5")
						:1.40 m ³ (1.83 cu.yd)
PC360-8M0*4	Triple grouser	600 (24")*	48280 (7483)	0.70 (9.95)	±0	:6.47 m (21'3")
						:3.18 m (10'5")
						:1.6 m ³ (2.09 cu.yd)
PC390LC-11**	Triple grouser	700 (28")	65390 (10135)	0.61 (8.66)	-503 (1109)	:6.5 m (21'3")
		800 (31.5")*	74730 (11583)	0.54 (7.67)	±0	:3.185 m (10'5")
		900 (35.4")	84070 (13030)	0.49 (6.90)	+437 (963)	:1.96 m ³ (2.56 cu.yd)
PC390LC-8M0	Triple grouser	600 (24")*	56050 (8688)	0.68 (9.67)	±0	:6.0 m (19'8")
		700 (28")	65390 (10135)	0.59 (8.39)	+400 (882)	:2.55 m (8'4")
						:2.3 m ³ (3.01 cu.yd)

- * Standard shoe *4 China source *8 Brazil source *12 Russia source
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- *** UK source *6 Thailand source *10 for USA
- *7 Indonesia source *11 for UK

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

Ground Pressure

EXCAVATORS (BACKHOE)

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC400-8 PC400-8R	Triple-grouser	600 (24")*	52090 (8074)	0.79 (11.24)	±0	:7.06 m (23'2")
		700 (28")	60770 (9419)	0.69 (9.81)	+420 (926)	:3.38 m (11'1")
		800 (31.4")	69450 (10765)	0.61 (8.67)	+850 (1874)	:1.9 m ³ (2.49 cu.yd)
PC400-8 ^{*4}	Triple-grouser	600 (24")*	52090 (8074)	0.81 (11.5)	±0	:7.06 m (23'2")
		700 (28")	60770 (9419)	0.70 (9.95)	+500 (1102)	:3.38 m (11'1")
		800 (31.4")	69450 (10765)	0.62 (8.82)	+900 (1984)	:1.9 m ³ (2.49 cu.yd)
PC400-8R ^{*7} (SE spec)	Triple-grouser	600 (24")*	52090 (8074)	0.81 (11.5)	±0	:7.06 m (23'2")
		700 (28")	60770 (9419)	0.70 (9.95)	+500 (1102)	:3.38 m (11'1")
		800 (31.4")	69450 (10765)	0.62 (8.82)	+940 (2072)	:1.9 m ³ (2.49 cu.yd)
PC400-7 PC400-7 ^{*12}	Triple-grouser	600 (24")*	52090 (8074)	0.79 (11.24)	±0	:7.06 m (23'2")
		700 (28")	60770 (9419)	0.69 (9.81)	+420 (926)	:3.38 m (11'1")
		800 (31.4")	69450 (10765)	0.61 (8.67)	+850 (1874)	:1.9 m ³ (2.49 cu.yd)
PC400LC-8 PC400LC-8R	Triple-grouser	600 (24")	56050 (8638)	0.75 (10.7)	-450 (992)	:7.06 m (23'2")
		700 (28")*	65390 (10135)	0.65 (9.24)	±0	:3.38 m (11'1")
		800 (31.4")	74730 (11583)	0.57 (8.11)	+460 (1014)	:1.9 m ³ (2.49 cu.yd)
PC400LC-8R ^{*7} (SE spec)	Triple grouser	600 (24")	56050 (8688)	0.79 (11.3)	-910 (2006)	:6.7 m (22'0")
		700 (28")	65390 (10135)	0.69 (9.76)	-460 (1014)	:2.4 m (7'10")
		800 (31.5")*	74730 (11583)	0.61 (8.26)	±0	:3.2 m ³ (4.19 cu.yd)
PC400LC-7 PC400LC-7 ^{*12}	Triple-grouser	600 (24")	56050 (8638)	0.76 (10.81)	-450 (992)	:7.06 m (23'2")
		700 (28")*	65390 (10135)	0.66 (9.39)	±0	:3.38 m (11'1")
		800 (31.4")	74730 (11583)	0.58 (8.25)	+450 (992)	:1.9 m ³ (2.49 cu.yd)
PC430-8 ^{*4}	Triple grouser	600 (24")*	52090 (8074)	0.83 (11.8)	±0	:7.06 m (23'2")
		700 (28")	60770 (9419)	0.72 (10.2)	+500 (1102)	:3.4 m (11'2")
		800 (31.5")	69450 (10765)	0.64 (9.10)	+1000 (2205)	:1.9 m ³ (2.49 cu.yd)
PC450-8 PC450-8R	Triple-grouser	600 (24")*	52090 (8074)	0.82 (11.7)	±0	:7.06 m (23'2")
		700 (28")	60770 (9419)	0.71 (10.1)	+420 (926)	:3.38 m (11'1")
						:1.9 m ³ (2.49 cu.yd)
PC450-8 ^{*4}	Triple-grouser	600 (24")*	52090 (8074)	0.87 (12.4)	±0	:7.06 m (23'2")
						:3.38 m (11'1")
						:2.1 m ³ (2.75 cu.yd)
PC450-7 ^{*5}	Triple grouser	600 (24")*	52090 (8074)	0.83 (11.8)	±0	:7.06 m (23'2")
		700 (28")	60770 (9719)	0.71 (10.1)	+420 (926)	:3.38 m (11'1")
						:1.9 m ³ (2.49 cu.yd)
PC450LC-8 PC450LC-8R	Triple-grouser	600 (24")*	56050 (8688)	0.78 (11.1)	±0	:7.06 m (23'2")
		700 (28")	65390 (10135)	0.68 (9.67)	+450 (992)	:3.38 m (11'1")
						:1.9 m ³ (2.49 cu.yd)
PC450LC-7 ^{*5}	Triple grouser	600 (24")*	52090 (8074)	0.83 (11.8)	±0	:7.06 m (23'2")
						:2.4 m (7'10")
						:2.6 m ³ (3.4 cu.yd)
PC460LC-8 ^{*4}	Triple grouser	600 (24")*	56050 (8688)	0.81 (11.5)	±0	:7.06 m (23'2")
						:3.38 m (11'1")
						:2.1 m ³ (2.75 cu.yd)
PC490-11 ^{***}	Triple grouser	600 (24")*	52090 (8074)	0.88 (12.5)	±0	:7.1 m (23'4")
		700 (28")	60770 (9419)	0.76 (10.8)	+470 (1036)	:3.4 m (11'2")
		800 (31.5")	69450 (10765)	0.68 (9.67)	+940 (2072)	:2.2 m ³ (2.88 cu.yd)
	Double grouser	600 (24")	52090 (8074)	0.89 (12.7)	+120 (265)	
PC490LC-11	Triple grouser	700 (28")*	65390 (10135)	0.71 (10.1)	±0	:7.06 m (23'2")
		800 (31.5")	74730 (11583)	0.63 (8.96)	+500 (1102)	:3.38 m (11'1")
		900 (35.4")	84070 (13030)	0.56 (7.96)	+990 (2183)	:1.9 m ³ (2.49 cu.yd)
PC490LC-11 ^{**}	Triple grouser	700 (28")	65390 (10135)	0.73 (10.9)	-500 (1102)	:7.06 m (23'2")
		800 (31.5")*	74730 (11583)	0.65 (9.67)	±0	:3.38 m (11'1")
		900 (35.4")	84070 (13030)	0.58 (6.54)	+490 (1080)	:2.25 m ³ (2.94 cu.yd)

- | | | | |
|-----------------|---------------------|------------------|-------------------|
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Ground Pressure

**EXCAVATORS
(BACKHOE)**

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC490LC-11***	Triple grouser	600 (24")	56050 (8688)	0.84 (11.9)	-500 (1102)	:7.1 m (23'4")
		700 (28")*	65390 (10135)	0.73 (10.4)	±0	:3.4 m (11'2")
		800 (31.5")	74730 (11583)	0.64 (9.10)	+500 (1102)	:2.2 m ³ (2.88 cu.yd)
	Double grouser	600 (24")	56050 (8688)	0.84 (11.9)	-380 (838)	
PC490LC-10	Triple grouser	600 (24")	56050 (8688)	0.82 (11.7)	-500 (1102)	:7.06 m (23'2")
		700 (28")*	65390 (10135)	0.71 (10.1)	±0	:3.38 m (11'1")
		800 (31.5")	74730 (11583)	0.63 (8.97)	+500 (1102)	:1.9 m ³ (2.49 cu.yd)
	Double grouser	600 (24")	56050 (8688)	0.82 (11.7)	-380 (838)	
PC500LC-10M0 PC500LC-10R	Triple grouser	600 (24")*	56050 (8688)	0.88 (12.6)	±0	:7.06 m (23'2")
		700 (28")	65390 (10135)	0.76 (10.9)	+500 (1102)	:3.38 m (11'1")
		800 (31.5")	74730 (11583)	0.68 (9.61)	+1000 (2200)	:2.5 m ³ (3.27 cu.yd)
	Double grouser	600 (24")	56050 (8688)	0.89 (12.6)	+120 (265)	
PC500LC-10M0 (SE spec) PC500LC-10R (SE spec)	Triple grouser	600 (24")*	56050 (8688)	0.88 (12.6)	±0	:6.67 m (21'3")
		700 (28")	65390 (10135)	0.76 (10.9)	+500 (1102)	:2.4 m (7'10")
		800 (31.5")	74730 (11583)	0.67 (9.59)	+1000 (2200)	:4.0 m ³ (5.23 cu.yd)
	Double grouser	600 (24")	56050 (8688)	0.88 (12.6)	+120 (265)	
PC500LC-8 PC500LC-8R	Triple grouser	600 (24")*	56050 (8688)	0.84 (11.9)	±0	:7.06 m (23'2")
		700 (28")	65390 (10135)	0.72 (10.2)	+500 (1102)	:3.38 m (11'1")
						:2.7 m ³ (3.53 cu.yd)
PC550LC-8	Triple grouser	600 (24")*	55240 (8562)	0.93 (13.2)	±0	:6.67 m (21'11")
		750 (29.5")	69090 (10709)	0.75 (10.7)	+800 (1764)	:2.4 m (7'10")
						:3.0 m ³ (3.92 cu.yd)
PC600-8E0 PC600-8R1	Triple grouser	600 (24")*	55240 (8562)	1.04 (14.8)	±0	:7.66 m (25'2")
		750 (29.5")	69090 (10709)	0.87 (12.4)	+800 (1764)	:3.5 m (11'6")
						:2.7 m ³ (3.53 cu.yd)
PC600LC-8E0 PC600LC-8R1	Triple grouser	600 (24")*	59440 (9213)	1.01 (14.4)	±0	:7.66 m (25'2")
		750 (29.5")	74300 (11517)	0.82 (11.7)	+800 (1764)	:3.5 m (11'6")
		900 (33.5")	89160 (13820)	0.69 (9.8)	+1700 (3748)	:2.7 m ³ (3.53 cu.yd)
PC650LC-11*10	Triple grouser	600 (24")	59440 (9213)	1.10 (15.6)	-1800 (3968)	:7.66 m (25'2")
		750 (30")	74300 (11517)	0.88 (12.5)	-900 (1984)	:3.48 m (11'5")
		900 (35.4")*	89160 (13820)	0.73 (10.3)	±0	:2.7 m ³ (3.53 cu.yd)
	Double grouser	600 (24")	59440 (9213)			
PC650LC-8E0*4	Triple grouser	600 (24")*	59440 (9213)	1.03 (14.6)	±0	:7.3 m (23'11")
						:3.5 m (11'6")
PC650LC-8E0*4 (SE spec)	Triple grouser	600 (24")*	59440 (9213)	1.03 (14.6)	±0	:3.1 m ³ (4.05 cu.yd)
						:6.6 m (21'8")
PC700LC-11***	Triple grouser	610 (24")*	60170 (9326)	1.11 (15.8)	±0	:2.9 m (9'6")
		710 (28")	70030 (10855)	0.96 (13.7)	+685 (1510)	:3.5 m ³ (4.58 cu.yd)
		810 (32")	79900 (12385)	0.85 (12.1)	+1365 (3010)	
		910 (36")	89760 (13913)	0.77 (10.9)	+2040 (4500)	
PC700LC-8E0 PC700LC-8R1	Double grouser	610 (24")*	60170 (9326)	1.09 (15.5)	±0	:7.3 m (23'11")
		710 (28")	70030 (10855)	0.95 (13.5)	+800 (1764)	:3.5 m (11'6")
						:2.8 m ³ (3.66 cu.yd)
PC700LC-8E0*4	Double grouser	610 (24")*	60170 (9326)	1.11 (15.8)	±0	:6.6 m (21'8")
		710 (28")	70030 (10855)	0.97 (13.8)	+800 (1764)	:2.9 m (9'6")
						:4.0 m ³ (5.23 cu.yd)
PC800-8E0 PC800-8R1	Double grouser	610 (24")*	60170 (9326)	1.24 (17.6)	±0	:8.2 m (26'11")
		710 (28")	70030 (10855)	1.08 (15.3)	+800 (1764)	:3.6 m (11'10")
		810 (32")	79900 (12385)	0.95 (13.5)	+1330 (2932)	:3.1 m ³ (4.05 cu.yd)
		910 (36")	89760 (13913)	0.85 (12.1)	+1970 (4343)	
		1010 (40")	99630 (15443)	0.77 (10.9)	+2610 (5754)	

- * Standard shoe *4 China source *8 Brazil source *12 Russia source
- ** USA source *5 India source *9 Italy source
- *** UK source *6 Thailand source *10 for USA
- *7 Indonesia source *11 for UK

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC800LC-8E0 PC800LC-8R1	Double grouser	810 (32")*	88320 (13690)	0.88 (12.5)	±0	:8.2 m (26'11")
		1010 (40")	110130 (17070)	0.72 (10.2)	+1400 (3086)	:3.6 m (11'10")
		1110 (44")	121030 (18760)	0.66 (9.38)	+2100 (4630)	:3.1 m ³ (4.05 cu.yd)
PC800-8E0 PC800-8R1 (SE spec)	Double grouser	610 (24")*	60170 (9326)	1.25 (17.8)	±0	:7.1 m (23'4")
		710 (28")	70030 (10855)	1.09 (15.5)	+800 (1764)	:2.9 m (9'6")
		810 (32")	79900 (12385)	0.96 (13.7)	+1330 (2932)	:4.0 m ³ (5.23 cu.yd)
		910 (36")	89760 (13913)	0.86 (12.2)	+1970 (4343)	
		1010 (40")	99630 (15443)	0.78 (11.1)	+2610 (5754)	
PC800LC-8E0 PC800LC-8R1 (SE spec)	Double grouser	810 (32")*	88320 (13690)	0.89 (12.7)	±0	:8.04 m (26'5")
		1010 (40")	110130 (17070)	0.73 (10.4)	+1400 (3086)	:3.6 m (11'10")
		1110 (44")	121030 (18760)	0.67 (9.53)	+2100 (4630)	:3.4 m ³ (4.45 cu.yd)
PC850-8E0 PC850-8R1	Double grouser	610 (24")*	60170 (9326)	1.31 (18.6)	±0	:8.04 m (26'5")
		710 (28")	70030 (10855)	1.14 (16.2)	+800 (1764)	:3.6 m (11'10")
PC850-8 ^{*4}	Double grouser	610 (24")*	60170 (9326)	1.31 (18.6)	±0	:8.04 m (26'5")
		710 (28")	70030 (10855)	1.14 (16.2)	+800 (1764)	:3.6 m (11'10")
						:3.4 m ³ (4.45 cu.yd)
PC850-8 ^{*4} (SE spec)	Double grouser	610 (24")*	60170 (9326)	1.30 (18.5)	±0	:7.1 m (23'4")
		710 (28")	70030 (10855)	1.13 (16.1)	+800 (1764)	:2.945 m (9'8")
						:4.3 m ³ (5.62 cu.yd)
PC850-8E0 PC850-8R1 (SE spec)	Double grouser	610 (24")*	60170 (9326)	1.31 (18.6)	±0	:7.1 m (23'4")
		710 (28")	70030 (10855)	1.13 (16.1)	+800 (1764)	:2.945 m (9'8")
						:4.3 m ³ (5.62 cu.yd)
PC1250-11	Double grouser	700 (28")*	76450 (11850)	1.51 (21.5)	±0	:9.1 m (29'10")
		1000 (39")	109200 (16926)	1.08 (15.4)	+2300 (5070)	:3.4 m (11'2")
PC1250SP-11	Double grouser					:5.0 m ³ (6.54 cu.yd)
		700 (28")*	76450 (11850)	1.54 (22.0)	±0	:7.8 m (25'7")
						:3.4 m (11'2")
PC1250LC-11	Double grouser					:6.7 m ³ (8.76 cu.yd)
		1000 (39")*	128700 (19949)	0.95 (13.5)	±0	:9.1 m (29'10")
		1200 (47")	154400 (23932)	0.81 (11.5)	+2000 (4410)	:3.4 m (11'2")
PC1250-8 PC1250-8R	Double grouser					:5.0 m ³ (6.54 cu.yd)
		700 (28")*	76450 (11850)	1.39 (19.8)	±0	:9.1 m (29'10")
		1000 (39.4")	109200 (16926)	0.99 (14.1)	+2310 (5090)	:3.4 m (11'2")
PC1250-8R ^{*7}	Double grouser					:5.0 m ³ (6.54 cu.yd)
		700 (28")*	76450 (11850)	1.39 (19.8)	±0	:7.8 m (25'7")
						:3.4 m (11'2")
PC1250-7	Double grouser					:6.7 m ³ (8.8 cu.yd)
		700 (28")*	76450 (11850)	1.35 (19.2)	±0	:9.1 m (29'10")
		1000 (39.4")	109200 (16926)	0.96 (13.7)	+2300 (5070)	:3.4 m (11'2")
PC1250LC-8	Double grouser					:5.0 m ³ (6.54 cu.yd)
		1000 (39.4")*	128700 (19949)	0.88 (12.5)	±0	:9.1 m (29'10")
		1200 (47.2")	154400 (23932)	0.75 (10.4)	+2000 (4410)	:3.4 m (11'2")
PC1250-8 PC1250-8R (SP spec.)	Double grouser					:5.2 m ³ (6.80 cu.yd)
		700 (28")*	76450 (11850)	1.44 (20.4)	±0	:7.8 m (25'7")
						:3.4 m (11'2")
PC1250-7 (SP spec.)	Double grouser					:6.7 m ³ (8.8 cu.yd)
		700 (28")*	76450 (11850)	1.36 (19.3)	±0	:7.8 m (25'7")
						:3.4 m (11'2")
PC2000-11	Double grouser					:6.5 m ³ (8.5 cu.yd)
		810 (32")	103020 (15970)	1.96 (27.9)	±0	:8.7 m (28'7")
		Triple grouser	1010 (40")	128460 (19910)	1.60 (22.8)	+4120 (9083)
PC2000-8 PC2000-8 ^{*7}	Triple grouser					:12.0 m ³ (15.7 cu.yd)
		810 (32")*	103020 (15970)	1.94 (27.6)	±0	:8.7 m (28'7")
		1010 (40")	128460 (19910)	1.59 (22.6)	+4120 (9085)	:3.9 m (12'10")
						:12.0 m ³ (15.7 cu.yd)

* Standard shoe *4 China source *8 Brazil source *12 Russia source
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Ground Pressure

**EXCAVATORS
(BACKHOE)**

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
HB205-1M0	Triple-grouser	600 (24")*	42790 (6632)	0.47 (6.68)	±0	:5.7 m (18'8")
		700 (28")	49920 (7738)	0.41 (5.83)	+380 (840)	:2.925 m (9'7")
		800 (31.5")	57050 (8843)	0.37 (5.26)	+630 (1390)	:0.80 m ³ (1.05 cu.yd)
HB205-1M0***	Triple-grouser	600 (24")*	42790 (6632)	0.47 (6.68)	±0	:5.7 m (18'8") :2.925 m (9'7") :0.80 m ³ (1.05 cu.yd)
HB215LC-3	Triple-grouser	700 (28")*	55240 (8562)	0.41 (5.83)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.36 (5.12)	+420 (926)	:2.925 m (9'7")
						:0.80 m ³ (1.05 cu.yd)
HB215LC-2	Triple-grouser	700 (28")*	55240 (8562)	0.40 (5.69)	±0	:5.7 m (18'8")
		800 (31.5")	63130 (9785)	0.36 (5.12)	+420 (926)	:2.925 m (9'7")
						:0.80 m ³ (1.05 cu.yd)
HB215LC-2**	Triple-grouser	600 (24")*	47350 (7339)	0.48 (6.83)	±0	:5.7 m (18'8")
		700 (28")	55240 (8562)	0.41 (5.83)	+270 (595)	:2.925 m (9'7")
		800 (31.5")	63130 (9785)	0.37 (5.26)	+590 (1300)	:0.80 m ³ (1.05 cu.yd)
		900 (35.4")	71025 (9785)	0.33 (4.69)	+860 (1900)	
HB215LC-1M0	Triple-grouser	600 (24")*	47350 (7339)	0.45 (6.40)	±0	:5.7 m (18'8")
		700 (28")	55240 (8562)	0.39 (5.55)	+380 (840)	:2.925 m (9'7")
		800 (31.5")	63130 (9785)	0.35 (4.98)	+630 (1390)	:0.80 m ³ (1.05 cu.yd)
HB215LC-1M0***	Triple-grouser	600 (24")*	47350 (7339)	0.45 (6.40)	±0	:5.7 m (18'8") :2.925 m (9'7") :0.80 m ³ (1.05 cu.yd)
HB335LC-1	Triple-grouser	600 (24")	52230 (8096)	0.64 (9.10)	-600 (838)	:6.47 m (21'3")
		700 (28")*	60940 (9446)	0.56 (7.96)	±0	:3.185 m (10'5")
		800 (31.5")	69650 (10796)	0.49 (6.97)	+380 (840)	:1.4 m ³ (1.83 cu.yd)
HB365LC-3	Triple-grouser	700 (28")*	60940 (9446)	0.59 (8.39)	±0	:6.47 m (21'3")
		800 (31.5")	69650 (10796)	0.52 (7.39)	+380 (838)	:3.2 m (10'6")
		850 (33.5")	74000 (11470)	0.49 (7.05)	+570 (1257)	:2.66 m ³ (3.48 cu.yd)
HB365LC-3**	Triple-grouser	600 (24")	52230 (8096)	0.69 (9.81)	-380 (838)	:6.47 m (21'3")
		700 (28")*	60940 (9446)	0.60 (8.53)	±0	:3.2 m (10'6")
		800 (31.5")	69650 (10796)	0.53 (7.54)	+380 (838)	:2.66 m ³ (3.48 cu.yd)
		850 (33.5")	74000 (11470)	0.50 (7.11)	+570 (1257)	
HB365NLC-3**	Triple-grouser	600 (24")*	52230 (8096)	0.69 (9.81)	±0	:6.47 m (21'3")
		700 (28")	60940 (9446)	0.59 (8.39)	+380 (838)	:3.2 m (10'6")
		800 (31.5")	69650 (10796)	0.52 (7.39)	+760 (1675)	:2.66 m ³ (3.48 cu.yd)
HB365LC-1	Triple-grouser	600 (24")*	52230 (8096)	0.67 (9.53)	±0	:6.47 m (21'3")
		700 (28")	60940 (9446)	0.58 (8.25)	+300 (661)	:3.185 m (10'5")
						:1.4 m ³ (1.83 cu.yd)

* Standard shoe
** UK source
*** China source

Ground Pressure

EXCAVATORS (BACKHOE)

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC3000-6	Double grouser	800 (31.4")	106696 (16538)	2.36 (33.6)	±0	:8.6 m (28'3")
		1000 (39.4")	133370 (20672)	1.96 (27.8)	+9000 (19840)	:4.0 m (13'1")
		1200 (47.2")	160044 (24807)	1.63 (23.2)	+9000 (19840)	:15 m ³ (19.5 cu.yd)
PC3000E-6	Double grouser	800 (31.4")	106696 (16538)	2.38 (33.8)	±0	:8.6 m (28'3")
		1000 (39.4")	133370 (20672)	1.97 (28.0)	+9000 (19840)	:4.0 m (13'1")
		1200 (47.2")	160044 (24807)	1.64 (23.4)	+9000 (19840)	:15 m ³ (19.5 cu.yd)
PC4000-11	Double grouser	1200 (47")	178793 (27741)	2.26 (32.2)	±0	:9.75 m (32'0")
		1500 (59")	223491 (34641)	1.83 (26.0)	+5000 (11000)	:4.5 m (14'9")
						:22 m ³ (29.0 cu.yd)
PC4000-6	Double grouser	1200 (47")	178793 (27741)	2.20 (32.3)	±0	:9.75 m (32'0")
		1500 (59")	223491 (34641)	1.79 (25.4)	+5000 (11000)	:4.5 m (14'9")
						:22 m ³ (29.0 cu.yd)
PC4000E-6	Double grouser	1200 (47")	178793 (27741)	2.16 (30.7)	±0	:9.75 m (32'0")
		1500 (59")	223491 (34641)	1.75 (24.9)	+5000 (11000)	:4.5 m (14'9")
						:22 m ³ (29.0 cu.yd)
PC5500-6	Double grouser	1350 (53")	222145 (34432)	2.42 (34.5)	±0	:11 m (36'1")
		1800 (71")	296194 (45910)	1.86 (26.5)	+14000 (30860)	:5.1 m (16'9")
						:29 m ³ (38 cu.yd)
PC5500E-6	Double grouser	1350 (53")	222145 (34432)	2.39 (34.0)	±0	:11 m (36'1")
		1800 (71")	296194 (45910)	1.84 (26.2)	+14000 (30860)	:5.1 m (16'9")
						:29 m ³ (38 cu.yd)
PC7000-6	Double grouser	1500 (59")	258110 (40007)	2.65 (37.7)	±0	:11.0 m (36'1")
		1900 (75")	326940 (50676)	2.12 (30.2)	+10000 (22000)	:5.1 m (16'1")
						:36 m ³ (47.0 cu.yd)
PC7000E-6	Double grouser	1500 (59")	258110 (40007)	2.57 (36.6)	±0	:11.0 m (36'1")
		1900 (75")	326940 (50676)	2.06 (29.3)	+10000 (22000)	:5.1 m (16'1")
						:36 m ³ (47.0 cu.yd)
PC8000-6	Double grouser	1500 (59")	271120 (42024)	2.80 (39.9)	±0	:11.5 m (37'10")
		1900 (75")	343420 (53230)	2.25 (32.0)	+12000 (26455)	:5.5 m (18'1")
						:42 m ³ (55 cu.yd)
PC8000E-6	Double grouser	1500 (59")	271120 (42024)	2.71 (38.6)	±0	:11.5 m (37'10")
		1900 (75")	343420 (53230)	2.18 (31.0)	+12000 (26455)	:5.5 m (18'1")
						:42 m ³ (55 cu.yd)

- | | | | |
|-----------------|---------------------|------------------|----------------|
| * Standard shoe | *4 China source | *8 Brazil source | *12 for Russia |
| ** USA source | *5 India source | *9 Italy source | |
| *** UK source | *6 Thailand source | *10 for USA | |
| | *7 Indonesia source | *11 for UK | |

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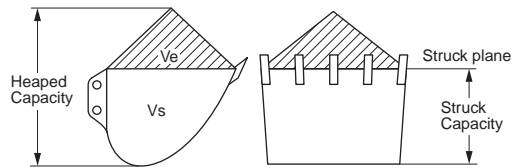
BUCKET CAPACITY RATING

Bucket capacity is measured in terms of either struck or heaped capacity. Generally, the heaped capacity description is more frequently used.

Komatsu Ltd. rates the excavator bucket capacity based on ISO and other standards such as JIS, PCSA and SAE (JIS and SAE are based on ISO.)

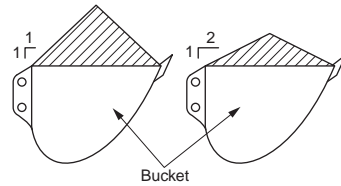
1) Struck Capacity

The struck capacity is the volume capacity of the bucket after it has been struck at the strike plane. The strike plane passes through the top back edge of the bucket and the cutting edge. (See top figure at right)



2) Heaped Capacity

The heaped capacity is the sum of the struck capacity plus the volume of material heaped on the bucket at a 1:2 angle of repose, as shown in the center figure at right. This in no way implies that the hoe must carry the bucket oriented in this attitude, or that all material will naturally have a 1:2 angle of repose.



FVBH0256

$V_h = V_s + V_e$ Where:
 Vs: struck capacity
 Vh: heaped capacity
 Ve: excess material heaped at 1:2 or 1:1 angle of repose

There are various standards for designating the heaped capacity of the bucket.

The principal difference among these definitions is the "angle of repose", as listed in the table below.

The angle of repose

Standard Bucket type	ISO	JIS	PCSA	SAE	CECE
Hoe bucket	1:1	1:1	1:1	1:1	1:2
Loading shovel	1:2	1:2	1:2	1:2	1:2

- Notes:
 ISOInternational Organization of Standard - ISO 7451 and ISO 7546
 JISJapanese Industrial Standard - JIS A8401 - 1976
 PCSAPower Crane and Shovel Association (USA) - PCSA No.37-26
 SAESociety of Automotive Engineers (USA) - SAE J296/J742b
 CECECommittee of European Construction Equipment - CECE SECTION VI

Bucket selection for excavator

Komatsu offers various kinds and sizes of buckets so that the users are able to select the optimum bucket for the type of soil and the work to be performed. This enables the work to be accomplished most efficiently. The following is a guide for selecting the optimum bucket.

1. Selection of type (shape)

Various types can be attached to excavators.

- General purpose bucket
- Light duty bucket
- Heavy duty bucket
- Narrow bucket (Ditch bucket)
- Rock bucket
- Ripper bucket
- Other special buckets

The appropriate type should be selected for each job application.

It is recommended to ask the Komatsu distributor about the availability of necessary buckets. When the necessary bucket is not currently available, the distributor can request Komatsu to develop it.

2. Selection of size

The following two points 1) and 2) should be considered altogether.

1) From the machine stability (For backhoe type)

If the bucket size (capacity) is too big, it will worsen the stability of the machine, resulting in danger of tipping over or rolling over.

The concept of the bucket selection from the point of machine stability is from the following.

Putting A as the maximum allowable load from over-side (sideways) machine stability and B as the bucket working load (bucket weight + carrying material weight), the size of the bucket should be selected so as to be;

$$B \leq A$$

From Figure 1,

$$A = W_1 + (L_0 / L) \quad W_2 = W_1 + W_2 \text{ Approximately}$$

where, W_1 : The weight of the empty bucket shown in the table of Lift Capacity. The value of the weight is shown in the tables of "Bucket and Arm Combination".

W_2 : The smallest lift capacity in the table of Lift Capacity at respective boom length and arm length (The lift capacity differs by the arm vertical position)

From Figure 2,

$$B = W_3 + W_4$$

where, W_3 : The bucket weight used for the job

W_4 : The weight of carried material
(= rated bucket capacity × specific gravity of carried material)

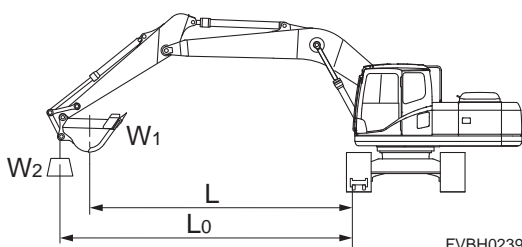


Figure 1

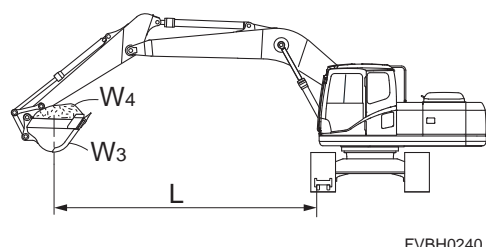


Figure 2

2) From the bucket penetration force

When selecting a bucket, check whether the penetration force of the bucket is sufficient for the soil at the job site. The bucket penetration force is the digging force per unit width of the bucket.

$$\text{Bucket penetration force} = \text{Digging force} / \text{Bucket width}$$

The larger the digging force per unit width of the bucket is, the larger the bucket penetration force (penetration performance) is.

The digging force is generated by the bucket hydraulic cylinder(s) and the boom hydraulic cylinder(s). In addition to the digging force, the width of the bucket and the tip radius (dimension from the bucket hinge center to the forefront of the bucket teeth) affects the bucket penetration force.

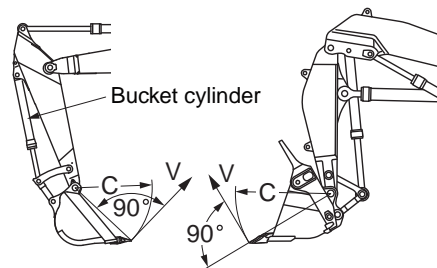
(1) Digging force

Rated digging force of the bucket is the force at the foremost digging point of the bucket. This digging force is generated by the bucket hydraulic cylinder and the arm hydraulic cylinder. The former is called the "Bucket digging force" and the latter is called the "Arm crowd force".

These digging forces are calculated by applying working relief hydraulic pressure to the cylinder(s). The weight of components and friction are to be excluded in the calculation. The definition of the digging forces are based on SAE J1179 and are as follows.

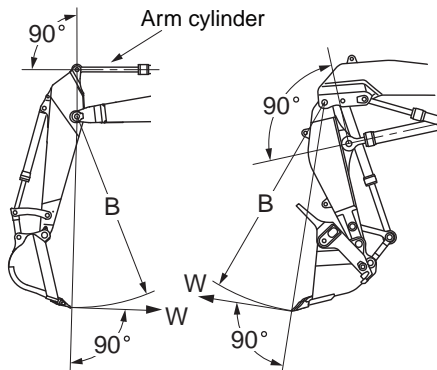
a. Bucket digging force

The rated bucket digging force (V, in the top figure) is the force generated by the bucket cylinder(s) and the tangent to the arc of radius C. The bucket should be positioned to obtain the maximum output moment from the bucket cylinder(s) and the connecting linkage.



b. Arm crowd force

The rated arm crowd force (W, in the bottom figure) is the force generated by the arm cylinder(s) and the tangent to the arc of the radius B. The arm should be positioned to obtain the maximum output moment from the arm cylinder(s) and the bucket, positioned as mentioned above.

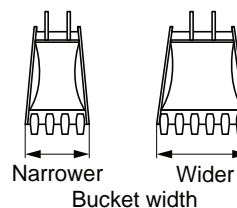


(2) Bucket width

The wider the bucket is, the worse the bucket penetration is. Generally speaking, a wide bucket is recommended for excavating soil that can be broken easily. A narrow bucket is better suited for work on hard soil.

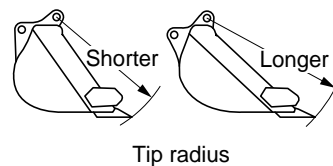
The width of the bucket must be limited also from the point of durability of the bucket, arm, boom and their hinge pins and bushings,. If the width is too great, it will cause excessive twist on the relevant parts, resulting in premature breakage or wear.

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(3) Tip radius

The tip radius also affects the digging force of the bucket. If the bucket cylinder is provided with the same pushing force, the bucket with the shorter tip radius is better able to dig hard soil than the bucket with the longer tip radius.



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The bucket width and the tip radius should be selected with the combination of the digging forces mentioned above in order to have appropriate bucket penetration.

When you need the values for allowable bucket width and bucket penetration force for each model, you can request and get the figures from Komatsu through your distributor.

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

This shows the bucket sizes currently available for respective models produced in various Komatsu plants, in relation with the arm length.

All allowable sizes from the concept of machine stability in "BUCKET SELECTION" are not shown, but it is possible for Komatsu plants to develop the various size buckets according to the theory of "BUCKET SELECTION", if it is requested through a distributor.

The theory of "BUCKET SELECTION" can be applied when a bucket is procured from a local attachment manufacturers. But the quality of the bucket from a local supplier can not be guaranteed by Komatsu.

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)		
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)				
PC09-1					0.684 (2'3")	0.687(2'3")	0.884 (2'11")
0.017 (0.022)	—	225 (8.9")	250 (9.8")	11 (24)	○	○	○
0.022 (0.029)*	—	325 (12.8")	350 (13.8")	14 (31)	○	○	○
0.025 (0.033)	—	375 (14.8")	400 (15.7")	15 (33)	⊙	×	×
PC14R-3					0.88 (2'11")	1.13 (3'8")	
0.03 (0.04)	—	250 (9.8")	—	19 (42)	○	○	
0.035(0.046)	—	300 (11.8")	—	20 (44)	○	○	
0.04 (0.05)*	—	350 (13.8")	—	22 (48)	○	○	
0.05 (0.065)	—	400 (15.7")	—	23 (51)	○	×	
0.06 (0.08)	—	450 (17.7")	—	25 (55)	○	×	
PC16R-3					0.965 (2'2")	1.215 (4'0")	
0.03 (0.04)	—	250 (9.8")	—	19 (42)	○	○	
0.035(0.046)	—	300 (11.8")	—	20 (44)	○	○	
0.04 (0.05)*	—	350 (13.8")	—	22 (48)	○	○	
0.05 (0.065)	—	400 (15.7")	—	23 (51)	○	×	
0.06 (0.08)	—	450 (17.7")	—	25 (55)	○	×	
PC18MR-3					0.965 (3'2")	1.215 (4'0")	
0.022 (0.029)	0.02 (0.03)	250 (9.8")	300 (11.8")		○	○	
0.04 (0.05)	0.035 (0.05)	350 (13.8")	400 (15.7")		○	○	
0.044 (0.06)	0.04 (0.052)	400 (15.7")	450 (17.7")		○	×	
PC18MR-3**					0.965 (3'2")	1.215 (4'0")	
0.03 (0.04)	—	250 (9.8")	—	19 (42)	○	○	
0.035(0.046)	—	300 (11.8")	—	20 (44)	○	○	
0.04 (0.05)	—	350 (13.8")	—	22 (48)	○	○	
0.05 (0.065)	—	400 (15.7")	—	23 (51)	○	×	
0.06 (0.08)	—	450 (17.7")	—	25 (55)	○	×	
PC20MR-3					0.97 (3'2")	1.32 (4'4")	
0.033 (0.043)	0.03 (0.04)	250 (9.8")	320 (12.6")	32 (70)	○	○	
0.044 (0.058)	0.04 (0.05)	350 (13.8")	420 (16.2")	37 (82)	○	○	
0.066 (0.086)	0.06 (0.08)	430 (16.9")	500 (19.7")	48 (106)	○	○	
0.08 (0.10)	0.07 (0.09)	530 (20.9")	600 (23.6")	52 (115)	○	×	
PC22MR-3					0.97 (3'2")	1.32 (4'4")	
0.035 (0.046)	—	250 (9.8")	—	30 (66)	○	○	
0.055 (0.072)	—	350 (13.8")	—	40 (88)	○	○	
0.07 (0.09)	—	450 (17.7")	—	50 (110)	○	○	
0.085 (0.11)	—	550 (21.7")	—	60 (132)	○	×	
PC26MR-3					1.115 (3'8")	1.37 (4'6")	
0.035 (0.046)	—	250 (9.8")	—	30 (66)	○	○	
0.055 (0.07)	—	350 (13.8")	—	40 (88)	○	○	
0.07 (0.09)	—	450 (17.7")	—	50 (110)	○	○	
0.085 (0.11)	—	550 (21.7")	—	60 (132)	○	×	

- * Without side cutters
- ** Heavy-duty bucket
- *** Rock (Quarry) bucket
- *4 Italy source
- *5 China source

- *6 Thailand source
- *7 Brazil source
- *8 UK source
- *9 USA source
- *10 Indonesia source

- *11 India source
- *12 Russia source
- *13 Me bucket

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)	
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)			
PC30MR-3					1.24 (4'1")	1.61 (5'3")
0.035 (0.046)	0.03 (0.04)	250 (9.8")	320 (12.6")	50 (110)	○	○
0.044 (0.058)	0.04 (0.05)	280 (11.0")	350 (13.8")	52 (115)	○	○
0.09 (0.12)	0.08 (0.10)	430 (16.9")	500 (19.7")	63 (139)	○	×
0.11 (0.14)	0.10 (0.13)	530 (20.9")	600 (23.6")	81 (178)	⊙	×
PC30MR-5					1.72 (5'8")	
0.055 (0.072)	0.05 (0.065)	350 (13.8")	420 (16.5")	67 (148)	○	
0.09 (0.12)	0.08 (0.10)	430 (16.9")	500 (19.7")	78 (172)	○	
PC35MR-3					1.37 (4'6")	1.72 (5'8")
0.055 (0.072)	0.05 (0.065)	350 (13.8")	420 (16.5")	59 (130)	○	○
0.09 (0.12)	0.08 (0.10)	430 (16.9")	500 (19.7")	78 (172)	○	○
0.11 (0.143)	0.10 (0.13)	530 (20.9")	600 (23.6")	83 (183)	○	×
0.13 (0.17)	0.12 (0.16)	630 (24.8")	700 (27.6")	98 (216)	⊙	×
PC45MR-5					1.695 (5'7")	
0.055 (0.07)	0.05 (0.065)	300 (11.8")	370 (14.6")	89 (196)	○	
0.11 (0.14)	0.10 (0.13)	425 (16.7")	500 (19.7")	94 (207)	○	
0.14 (0.18)	0.13 (0.17)	525 (20.7")	600 (23.6")	109 (240)	⊙	
0.16 (0.21)	0.14 (0.18)	580 (22.8")	650 (25.6")	110 (243)	⊙	
PC45MR-3					1.375 (4'6")	1.77 (5'10")
0.055 (0.07)	0.05 (0.065)	300 (11.8")	370 (14.6")	89 (196)	○	○
0.11 (0.14)	0.10 (0.13)	430 (16.9")	500 (19.7")	94 (207)	○	○
0.14 (0.18)	0.13 (0.17)	530 (20.9")	600 (23.6")	105 (231)	○	×
0.16 (0.21)	0.12 (0.18)	580 (22.8")	650 (25.6")	121 (267)	⊙	×
PC55MR-5					1.64 (5'5")	
0.055 (0.07)	0.05 (0.065)	300 (11.8")	370 (14.6")	89 (196)	○	
0.11 (0.14)	0.10 (0.13)	425 (16.7")	500 (19.7")	94 (207)	○	
0.16 (0.18)	0.14 (0.18)	525 (20.7")	600 (23.6")	110 (243)	○	
0.18 (0.24)	0.16 (0.21)	625 (24.6")	700 (27.6")	121 (267)	⊙	
PC55MR-3					1.64 (5'5")	2.0 (6'7")
0.055 (0.07)	0.05 (0.065)	300 (11.8")	370 (14.6")	89 (196)	○	○
0.11 (0.14)	0.10 (0.13)	430 (16.9")	500 (19.7")	94 (207)	○	○
0.16 (0.21)	0.21 (0.18)	580 (22.8")	650 (25.6")	121 (267)	○	×
PC56-7					1.64 (5'5")	
0.055 (0.07)	—	300 (11.8")	365 (14.4")	90 (198)	○	
0.11 (0.14)	—	430 (16.9")	500 (19.7")	110 (243)	○	
0.20 (0.26)	—	630 (24.8")	700 (27.6")	170 (375)	○	
0.22 (0.29)	—	655 (25.8")	725 (28.5")	180 (397)	○	
PC60-8**					1.55 (5'1")	
0.25 (0.33)	—	600 (23.6")	700 (27.6")	250 (551)	○	
0.30 (0.39)	—	655 (25.8")	750 (29.5")	280 (617)	○	
0.30W (0.39)	—	775 (30.5")	890 (35.0")	285 (628)	○	
PC70-8, PC70-8**					1.65 (5'5")	1.65 (5'5") Strengthened Arm
0.30 (0.39)	—	655 (25.8")	750 (29.5")		○	○
0.37 (0.48)	—	815 (32.1")	925 (36.4")		○	○
0.37 (0.48)**	—	680 (26.8")	775 (30.5")		×	○

- * Without side cutters
- *6 Thailand source
- *11 India source
- ** Heavy-duty bucket
- *7 Brazil source
- *12 Russia source
- *** Rock (Quarry) bucket
- *8 UK source
- *13 Me bucket
- *4 Italy source
- *9 USA source
- *5 China source
- *10 Indonesia source

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)		
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)				
PC71-7					1.65 (5'5")	2.25 (7'5")	
0.09 (0.12)	0.08 (0.10)	350 (13.8")	450 (17.7")	145 (320)	○	○	
0.30 (0.39)**	0.27 (0.35)	650 (25.6")	750 (29.5")	266 (586)	○	⊙	
0.30 (0.39)	0.27 (0.35)	790 (61.1")	890 (35.0")	236 (520)	○	⊙	
0.35 (0.46)	0.30 (0.39)	845 (33.3")	950 (37.4")	265 (584)	○	⊙	
PC78US-10					1.65 (5'5")	2.25 (7'5")	
0.09 (0.12)	0.08 (0.10)	350 (13.8")	450 (17.7")	145 (320)	○	○	
0.12 (0.16)	0.11 (0.14)	450 (17.7")	550 (21.7")	160 (355)	○	○	
0.20 (0.26)	0.18 (0.24)	550 (21.7")	650 (25.6")	185 (410)	○	○	
0.28 (0.37)	0.25 (0.33)	650 (25.6")	750 (29.5")	210 (465)	○	×	
0.34 (0.44)	0.30 (0.39)	755 (29.7")	—	210 (465)	⊙	×	
PC78US-8					1.65 (5'5")	2.25 (7'5")	
0.09 (0.12)	0.08 (0.10)	350 (13.8")	450 (17.7")	145 (320)	○	○	—
0.12 (0.16)	0.11 (0.14)	450 (17.7")	550 (21.7")	160 (355)	○	○	—
0.20 (0.26)	0.18 (0.24)	550 (21.7")	650 (25.6")	185 (410)	○	○	—
0.28 (0.37)	0.25 (0.33)	650 (25.6")	750 (29.5")	210 (465)	○	○	—
0.34 (0.45)	0.30 (0.39)	755 (29.7")	—	210 (465)	⊙	×	—
PC78UU-8					1.72 (5'8")		
0.09 (0.12)	0.08 (0.10)	350 (13.8")	450 (17.7")	145 (320)	○		—
0.12 (0.16)	0.11 (0.14)	450 (17.7")	550 (21.7")	160 (355)	○		—
0.20 (0.26)	0.18 (0.24)	550 (21.7")	650 (25.6")	185 (410)	○		—
0.28 (0.37)	0.25 (0.33)	650 (25.6")	750 (29.5")	210 (465)	○		—
0.34 (0.45)	0.30 (0.39)	755 (29.7")	—	210 (465)	⊙		—
PC80MR-5					1.65 (5'5")	2.0 (6'7")	
0.128 (0.17)	—	400 (15.7")	—	130 (287)	○	○	—
0.171 (0.22)	—	500 (19.7")	—	142 (313)	○	○	—
0.20 (0.26)	—	600 (23.6")	—	155 (342)	○	○	—
0.232 (0.30)	—	700 (27.6")	—	168 (370)	○	⊙	—
0.265 (0.35)	—	800 (31.5)	—	180 (397)	○	⊙	—
PC80MR-3					1.65 (5'5")	1.9 (6'3")	2.25 (7'5")
0.086 (0.11)	—	300 (11.8")	—	120 (265)	○	○	○
0.128 (0.17)	—	400 (15.7")	—	130 (287)	○	○	○
0.171 (0.22)	—	500 (19.7")	—	142 (313)	○	○	○
0.20 (0.26)	—	600 (23.6")	—	155 (342)	○	○	○
0.232 (0.30)	—	700 (27.6")	—	168 (370)	○	○	⊙
0.265 (0.35)	—	800 (31.5)	—	180 (397)	○	○	⊙
PC88MR-8					1.65 (5'5")	2.25 (7'5")	
0.09 (0.12)	0.08 (0.10)	350 (13.8")	450 (17.7")	145 (320)	○	○	—
0.12 (0.16)	0.11 (0.14)	450 (17.7")	550 (21.7")	160 (353)	○	○	—
0.20 (0.26)	0.18 (0.24)	550 (21.7")	650 (25.6")	185 (408)	○	○	—
0.28 (0.37)	0.25 (0.33)	650 (25.6")	750 (29.5")	210 (463)	○	○	—
0.34 (0.45)	0.30 (0.39)	750 (29.7")	—	210 (463)	⊙	×	—
PC88MR-10					2.10 (6'11")		
0.09 (0.12)	0.08 (0.10)	350 (13.8")	450 (17.7")	145 (320)	○		—
0.12 (0.16)	0.11 (0.14)	450 (17.7")	550 (21.7")	160 (353)	○		—
0.20 (0.26)	0.18 (0.24)	550 (21.7")	650 (25.6")	185 (408)	○		—

- * Without side cutters
- *6 Thailand source
- *11 India source
- ** Heavy-duty bucket
- *7 Brazil source
- *12 Russia source
- *** Rock (Quarry) bucket
- *8 UK source
- *13 Me bucket
- *4 Italy source
- *9 USA source
- *5 China source
- *10 Indonesia source

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach. ● : General purpose use, weight up to 2.1 t/m ³ (3500 lb/cu.yd) ○ : General purpose use, weight up to 1.8 t/m ³ (3000 lb/cu.yd) □ : General purpose use, weight up to 1.5 t/m ³ (2500 lb/cu.yd) ⊙ : Light duty work, weight up to 1.2 t/m ³ (2000 lb/cu.yd) ◇ : Light duty work, weight up to 0.9 t/m ³ (1500 lb/cu.yd) ✕ : Not usable							
Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)		
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)				
PC110-8M0					2.36 (7'9")		
0.48 (0.63)	—	835 (32.9")	—	450 (992)	○		
0.48 (0.63)	—	750 (29.5")	—	—	○		
0.53 (0.69)	—	860 (33.")	—	—	○		
PC130-8					2.1 (6'11")	2.50 (8'2")	3.00 (9'10")
0.18 (0.24)	0.16 (0.21)	450 (17.7")	570 (22.4")	256 (565)	○	○	○
0.28 (0.37)	0.26 (0.34)	600 (23.6")	720 (28.3")	303 (668)	○	○	○
0.36 (0.47)	0.33 (0.43)	700 (27.6")	820 (32.3")	330 (728)	○	○	○
0.50 (0.65)	0.45 (0.59)	859 (33.8")	979 (38.5")	399 (880)	○	○	✕
0.60 (0.78)	0.55 (0.72)	1000 (39.4")	—	436 (961)	○	○	✕
PC130-8*6					2.5 (8'2")		3.00 (9'10")
0.18 (0.24)	0.16 (0.21)	450 (17.7")	570 (22.4")	256 (565)	○	○	
0.28 (0.37)	0.26 (0.34)	600 (23.6")	720 (28.3")	303 (670)	○	○	
0.36 (0.47)	0.33 (0.43)	700 (27.6")	820 (32.3")	330 (730)	○	○	
0.50 (0.65)	0.45 (0.59)	859 (33.8")	979 (38.5")	399 (880)	○	○	
0.60 (0.78)	0.55 (0.72)	1000 (39.4")	—	436 (961)*	⊙	⊙	
PC130-8*7					2.5 (8'2")		
0.50 (0.65)	0.45 (0.59)	859 (33.8")	979 (38.5")	399 (880)	○		
0.60 (0.78)	0.55 (0.72)	1000 (39.4")	—	436 (961)	○		
PC130-7*11					2.1 (6'11")	2.5 (8'2")	
0.53 (0.69)	—	859 (33.8")	984 (38.7")	433 (954)	○	○	
0.53 (0.69)**	—	—	908 (35.8")	470 (1036)	○	○	
0.64 (0.83)	—	1000 (39.4")	1125 (44.3")	485 (1069)	○	□	
0.70 (0.91)	—	1080 (42.5")	1210 (47.6")	575 (1267)	○	□	
PC138US-8					2.1 (6'11")	2.50 (8'2")	3.00 (9'10")
0.18 (0.24)	0.16 (0.21)	450 (17.7")	570 (22.4")	256 (565)	○	○	○
0.28 (0.37)	0.26 (0.34)	600 (23.6")	720 (28.3")	303 (670)	○	○	○
0.36 (0.50)	0.33 (0.43)	700 (27.6")	820 (32.3")	330 (730)	○	○	○
0.50 (0.65)	0.45 (0.59)	859 (33.8")	979 (38.5")	399 (880)	○	○	✕
0.60 (0.78)	0.55 (0.72)	1000 (39.4")	—	436 (961)	○	○	✕
PC138USLC-11					2.5 (8'2")		3.0 (9'10")
0.26 (0.34)	—	457 (18")	—	332 (732)	●		
0.31 (0.40)	—	508 (24")	—	396 (873)	●		
0.38 (0.50)	—	610 (27.6")	—	387 (853)	●		
0.51 (0.67)	—	762 (30")	—	437 (963)	●		
0.63 (0.83)	—	914 (36")	—	499 (1099)	○	□	
0.76 (1.00)	—	1067 (42")	—	559 (1232)	□	○	
PC138USLC-10					2.5 (8'2")		3.0 (9'10")
0.26 (0.34)	—	457 (18")	—	332 (732)	●		
0.38 (0.50)	—	610 (24")	—	387 (853)	●		
0.51 (0.67)	—	762 (30")	—	437 (963)	●		
0.63 (0.83)	—	914 (36")	—	499 (1099)	○	□	
0.76 (1.00)	—	1067 (42")	—	559 (1232)	□	○	
PC160LC-8					2.25 (7'5")	2.61 (8'7")	2.90 (9'6")
0.60 (0.78)	0.55 (0.72)	900 (35.4")	1000 (39.4")	474 (1040)	○	○	○
0.65 (0.85)	0.60 (0.78)	966 (38.0")	1066 (42")	499 (1100)	○	○	✕
0.70 (0.92)	0.65 (0.85)	1100 (43.3")	—	504 (1100)*	○	○	✕
PC160LC-8*6					2.25 (7'5")	2.61 (8'7")	2.90 (9'6")
0.60 (0.78)	0.55 (0.72)	900 (35.4")	1000 (39.4")	474 (1040)	○	○	○
0.65 (0.85)	0.60 (0.78)	966 (38.0")	1066 (42")	499 (1100)	○	○	○
0.74 (0.97)	0.65 (0.85)	1100 (43.3")	—	530 (1168)	○	○	○

* Without side cutters
 ** Heavy-duty bucket
 *** Rock (Quarry) bucket
 *4 Italy source
 *5 China source

*6 Thailand source
 *7 Brazil source
 *8 UK source
 *9 USA source
 *10 Indnesia source

*11 India source
 *12 Russia source
 *13 Me bucket

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ◇ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)		
		Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)				
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)						
PC160LC-8*7					2.25 (7'5")	2.90 (9'6")	
0.65 (0.85)	—	966 (38.0")	1066 (42.0)	499 (1100)	○	○	
0.80 (1.05)	—	1192 (47.0")	1292 (50.9")	740 (1631)	○	×	
1.05 (1.37)	—	1071 (42.2")	1117 (44.0")	913 (2078)	□	×	
1.20 (1.59)	—	1228 (48.3")	1274 (50.2")	942 (2013)	○	×	
PC160LC-8*5					2.61 (8'7")	2.9 (9'6")	
0.65 (0.85)	0.60 (0.78)	965 (38")	—	—	○	○	
0.65 (0.85)	0.60 (0.78)	865 (34")	—	—	○	○	
0.75 (0.98)	0.70 (0.92)	1100 (43.3")	—	—	○	○	
PC170LC-11, PC170LC-10					2.61 (8'7")	2.9 (9'6")	
0.60 (0.78)	0.55 (0.72)	900 (35.4")	1000 (39.4")	474 (1045)	○	○	
0.65 (0.85)	0.60 (0.78)	966 (38")	1066 (42")	499 (1100)	○	×	
0.70 (0.92)	0.65 (0.85)	1100 (43.3")	—	504 (1111)	○	×	
PC195LC-8					2.9 (9'6")		
0.90 (1.18)	—	—	1250 (49.2")	630 (1389)	□		
PC200-8, PC200LC-8					1.84 (6'0")	2.41 (7'11")	2.93 (9'7")
0.50 (0.65)	0.45 (0.59)	750 (29.5")	875(34.4")	478 (1050)	○	○	○
0.80 (1.05)	0.70 (0.92)	1045 (41.1")	1170(46.1")	635(1400)	○	○	○
0.93 (1.22)	0.80 (1.05)	1200 (47.2")	1325(52.2")	696(1530)	□	□	○
1.05 (1.37)	0.90 (1.18)	1330 (52.4")	1455(57.3")	757 (1670)	□	□	×
1.17 (1.53)	1.00 (1.31)	1450 (57.1")	—	*940 (2070)	○	○	×
PC200-8M0,PC200LC-8M0, PC200-8M0*6, PC200LC-8M0*6					1.84 (6'0")	2.41 (7'11")	2.93 (9'7")
0.50 (0.65)	—	750 (29.5")	—	478 (1054)	○	○	○
0.80 (1.05)	—	1045 (41.1")	—	635 (1400)	○	○	○
0.93 (1.22)	—	1200 (47.2")	—	696 (1534)	□	□	○
1.00 (1.31)	—	1085 (42.7")	—	912 (2010)	○	○	◇
1.05 (1.37)	—	1330 (52.4")	—	757 (1669)	□	□	×
1.17 (1.53)	—	1450 (57.1")	—	940 (2072)	○	○	×
1.20 (1.57)	—	1200 (47.2")	—	939 (2070)			×
PC200-8M0*12, PC200LC-8M0*12					2.41 (7'11")	2.93 (9'7")	
0.50 (0.65)	—	750 (29.5")	—	478 (1054)	○	○	○
0.80 (1.05)	—	1045 (41.1")	—	635 (1400)	○	○	○
0.93 (1.22)	—	1200 (47.2")	—	696 (1534)	□	□	○
1.00 (1.31)	—	1085 (42.7")	—	912 (2010)	○	○	◇
1.05 (1.37)	—	1330 (52.4")	—	757 (1669)	□	□	×
1.17 (1.53)	—	1450 (57.1")	—	940 (2072)	○	○	×
PC200-8M0*5, PC200LC-M0*5					2.41 (7'11")	2.93 (9'7")	
0.80 (1.05)	0.70 (0.92)	1050 (41.3")	—	—	○	○	○
0.94 (1.23)	0.84 (1.10)	1200 (47.2")	—	—	□	□	○
1.00 (1.31)	0.90 (1.18)	1085 (42.7")	—	—	□	□	○
1.06 (1.39)	0.95 (1.24)	1330 (52.4")	—	—	○	○	×
PC200-8M0*10					2.93 (9'7")		
1.00 (1.31)	0.80 (1.05)	1200 (47.2")	1325 (52.2")	695 (1532)			
PC200-8M0*7					5.7 (18'8")	5.2 (17'1")	
					2.41 (7'11")	2.925 (9'7")	2.41 (7'11")
1.20 (1.57)	—	1200 (47.2")	1325 (52.2")	987 (2176)	□	○	○
1.41 (1.84)	—	1330 (52.4")	1455 (57.3")	1100 (2425)	×	×	□
PC200LC-8M0*7					5.7 (18'8")	5.2 (17'1")	
					2.925 (9'7")	2.41 (7'11")	
1.20 (1.57)	—	1200 (47.2")	1325 (52.2")	987 (2176)	○	○	○
1.50 (1.84)	—	1415 (55.7")	1540 (60.6")	1135 (2502)	×	○	○

- * Without side cutters
- *6 Thailand source
- *11 India source
- ** Heavy-duty bucket
- *7 Brazil source
- *12 Russia source
- *** Rock (Quarry) bucket
- *8 UK source
- *13 Me bucket
- *4 Italy source
- *9 USA source
- *5 China source
- *10 Indonesia source

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)		
		Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)				
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)						
PC210LC-11					2.93 (9'7")		
0.50 (0.65)	0.45 (0.59)	750 (29.5")	875 (34.4")	478 (1054)	○		
0.80 (1.05)	0.70 (0.92)	1045 (41.1")	1170 (46.1")	635 (1400)	○		
0.93 (1.22)	0.80 (1.05)	1200 (47.2")	1325 (52.2")	696 (1534)	○		
PC210LC-11^{*9}					2.9 (9'7")		
0.50 (0.65)	—	—	610 (24")	605 (1334)	●		
0.67 (0.88)	—	—	762 (30")	689 (1518)	●		
0.85 (1.11)	—	—	914 (36")	780 (1719)	●		
1.02 (1.34)	—	—	1067 (42")	857 (1890)	○		
1.20 (1.57)	—	—	1219 (48")	949 (2092)	□		
PC210LC-10					2.4 (7'10")		2.93 (9'7")
0.50 (0.65)	0.45 (0.59)	750 (29.59")	875 (34.4")	478 (1050)	○		○
0.80 (1.05)	0.70 (0.92)	1045 (41.3")	1170 (46.1")	635 (1400)	○		○
0.93 (1.22)	0.80 (1.05)	1200 (47.2")	1325 (52.2")	696 (1530)	□		●
PC210-10M0, PC210LC-10M0					1.8 (5'11")	2.4 (7'10")	2.9 (9'7")
0.8 (1.05)	0.70 (0.92)	1080 (42.5")	875 (34.4")	680 (1499)	●	●	●
0.8 (1.05) ^{*13}	0.70 (0.92)	1045 (41.1")	1170 (46.1")	765 (1686)	●	●	●
0.93 (1.22) ^{*13}	0.84 (1.10)	1200 (47.2")	1325 (52.2")	770 (1698)	●	●	●
0.94 (1.23)	0.84 (1.10)	1220 (48")	1325 (52.2")	740 (1631)	●	●	●
1.0 (1.31) ^{*13}	0.90 (1.18)	1085 (42.7")	1190 (46.9")	880 (1940)	●	●	○ (LC:●)
1.05 (1.37) ^{*13}	0.94 (1.23)	1330 (52.4")	1500 (59.0")	935 (2061)	●	●	×
1.20 (1.57) ^{*13}	—	1200 (47.2")	1310 (51.6")	910 (2006)	●	□ (LC:○)	□ (LC:○)
PC210-8M0^{*5}, PC210LC-8M0^{*5}					2.41 (7'11")		2.93 (9'7")
0.80 (1.05)	0.70 (0.92)	1050 (41.3")	—	—	○		○
0.94 (1.23)	0.84 (1.10)	1200 (47.2")	—	—	□		□
1.00 (1.31)	0.90 (1.18)	1085 (42.7")	—	—	□		○
1.06 (1.39)	0.95 (1.24)	1330 (52.4")	—	—	○		×
PC210-8M0^{*11}, PC210LC-8M0^{*11}					2.4 (7'10")		2.9 (9'7")
0.95 (1.24)	—	—	1350 (53.1")	865 (1907)	○		○
1.05 (1.37)	—	—	1330 (52.4")	855 (1885)	○		○
PC210NLC-8M0^{*12}					2.4 (7'10")		2.9 (9'7")
0.50 (0.65)	0.45 (0.59)	750 (29.59")	875 (34.4")	478 (1050)	○		○
0.80 (1.05)	0.70 (0.92)	1050 (41.3")	1175 (46.3")	635 (1400)	○		○
0.93 (1.22)	0.84 (1.10)	1200 (47.2")	1325 (52.2")	696 (1530)	□		○
1.00 (1.31)	0.90 (1.18)	1085 (42.7")	1210 (47.6")	912 (2010)	○		○
1.05 (1.37)	0.94 (1.23)	1330 (52.4")	1445 (53.3")	757 (1670)	□		×
1.17 (1.37)	1.0 (1.31)	1450 (57")	1575 (53.3")	740 (1630)	○		×
PC220-8, PC220-8M0, PC220-8M0^{*12}					2.00 (6'7")	2.50 (8'2")	3.05 (10'0")
PC220LC-8, PC220LC-8M0, PC220LC-8M0^{*12}					2.00 (6'7")	2.50 (8'2")	3.05 (10'0")
0.72(0.94)	0.65(0.85)	900(35.4")	1005(39.6")	658(1450)	○	○	○
1.00(1.31)	0.90(1.18)	1155(45.5")	1260(49.6")	734(1620)	○	○	○
1.14(1.49)	1.00(1.31)	1300(51.2")	1405(55.3")	793(1750)	○	□	□
1.26(1.65)	1.10(1.44)	1400(55.1")	1505(59.3")	845(1860)	○	□	○
PC228US-8, PC228USLC-8, PC228USLC-10					2.93 (9'7")		
0.50 (0.65)	0.45 (0.59)	750 (29.59")	875 (34.4")	478 (1050)	○		
0.80 (1.05)	0.70 (0.92)	1045 (41.1")	1170 (46.1")	635 (1400)	○		
0.93 (1.22)	0.80 (1.05)	1200 (47.2")	1325 (52.2")	696 (1530)	□		
1.00 (1.31)	0.90 (1.18)	1330 (52.4")	1445 (53.3")	730 (1610)	□		

- * Without side cutters
- ** Heavy-duty bucket
- *** Rock (Quarry) bucket
- *4 Italy source
- *5 China source
- *6 Thailand source
- *7 Brazil source
- *8 UK source
- *9 USA source
- *10 Indonesia source
- *11 India source
- *12 Russia source
- *13 Me bucket

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)		
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)				
PC238USLC-11					2.93 (9'7")		
0.50 (0.65)	0.45 (0.59)	750 (29.59")	875 (34.4")	478 (1050)	○		
0.80 (1.05)	0.70 (0.92)	1045 (41.1")	1170 (46.1")	635 (1400)	○		
0.93 (1.22)	0.80 (1.05)	1200 (47.2")	1325 (52.2")	696 (1530)	□		
1.00 (1.31)	0.90 (1.18)	1330 (52.4")	1455 (57.3")	730 (1610)	□		
PC240LC-11					3.05 (10'0")	3.5 (11'6")	
0.72 (0.94)	0.65 (0.85)	900 (35.4")	1005 (39.6")	658 (1450)	○		
1.00 (1.31)	0.90 (1.18)	1155 (45.5")	1260 (49.6")	734 (1618)	○		
1.14 (1.49)	1.00 (1.31)	1300 (51.2")	1405 (55.3")	793 (1748)	□		
1.26 (1.65)	1.10 (1.44)	1400 (55.1")	1505 (59.3")	845 (1863)	⊙		
PC240LC-11*9							
0.58 (0.76)	—	—	610 (24")	687 (1514)	●		
0.78 (1.02)	—	—	762 (30")	807 (1779)	●		
0.99 (1.29)	—	—	914 (36")	907 (2000)	●		
1.20 (1.57)	—	—	1067 (42")	949 (2178)	○		
1.41 (1.85)	—	—	1219 (48")	1045 (2399)	□		
PC240LC-10					2.0 (6'7")	2.5 (8'2")	3.05 (10'0")
0.72 (0.94)	0.65 (0.85)	900 (35.4")	1005 (39.6")	658 (1450)	○		
1.00 (1.31)	0.90 (1.18)	1155 (45.5")	1260 (49.6")	734 (1618)	○		
1.14 (1.49)	1.00 (1.31)	1300 (51.2")	1405 (55.3")	793 (1748)	□		
1.26 (1.65)	1.10 (1.44)	1400 (55.1")	1505 (59.3")	845 (1863)	○		
PC240LC-8M0*5					2.5 (8'2")	3.05 (10'0")	
1.20 (1.57)	—	1140 (44.9")	—	—	○		
1.30 (1.70)	—	1390 (54.7")	—	—	○		
1.33 (1.74)	—	1130 (44.5")	—	—	□		
PC240LC-8*7					2.0 (6'7")	2.5 (8'2")	3.0 (9'10")
0.72 (0.94)	—	900 (35.4")	1005 (39.6")	658 (1450)	○		
1.00 (1.31)	—	1155 (45.5")	1260 (49.6")	734 (1618)	○		
1.58 (2.07)	—	1400 (55.1")	1505 (59.3")	1125 (2480)	○		
1.73 (2.26)	—	1530 (60.2")	1635 (64.4")	1330 (2932)	○		
PC270-8, PC270LC-8					2.5 (8'2")	3.0 (10'0")	3.5 (11'6")
1.14 (1.49)	1.00 (1.31)	1300 (51.2")	1405 (55.3")	793 (1750)	○		
1.26 (1.65)	1.10 (1.44)	1400 (55.1")	1505 (59.3")	845 (1860)	○		
PC270-8*5					2.5 (8'2")	3.05 (10'0")	
1.30 (1.70)	—	1140 (44.9")	—	—	○		
1.50 (1.96)	—	1240 (48.8")	—	—	○		
PC290LC-11					3.2 (10'6")	3.5 (11'6")	
1.14 (1.49)	1.00 (1.31)	1300 (51.2")	1405 (55.3")	808 (1781)	○		
1.26 (1.65)	1.10 (1.44)	1400 (55.1")	1505 (59.3")	856 (1887)	○		
PC290LC-11*9					3.2 (10'6")	3.5 (11'6")	
0.58 (0.76)	—	—	610 (24")	687 (1514)	●		
0.78 (1.02)	—	—	762 (30")	807 (1779)	●		
0.99 (1.29)	—	—	914 (36")	907 (2000)	●		
1.20 (1.57)	—	—	1067 (42")	949 (2178)	●		
1.41 (1.85)	—	—	1219 (48")	1045 (2399)	○		
1.63 (2.13)	—	—	1372 (54")	1168 (2576)	○		

- * Without side cutters
- *6 Thailand source
- *11 India source
- ** Heavy-duty bucket
- *7 Brazil source
- *12 Russia source
- *** Rock (Quarry) bucket
- *8 UK source
- *13 Me bucket
- *4 Italy source
- *9 USA source
- *10 Indonesia source
- *5 China source

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)			
		Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)					
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)							
PC290LC-10					2.5 (8'2")	3.05 (10'0")	3.5 (11'6")	
1.14 (1.49)	1.00 (1.31)	1300 (51.2")	1405 (55.3")	793 (1748)	○	○	○	
1.26 (1.65)	1.10 (1.44)	1400 (55.1")	1505 (59.3")	845 (1863)	○	○	○	
PC290LC-8					2.5 (8'2")	3.0 (10'0")	3.5 (11'6")	
1.50 (1.95)	1.30 (1.70)	1415 (55.7")	1525 (60.3")	1015 (1860)	□	□	○	
1.60 (2.09)	1.40 (1.83)	1515 (59.6")	1645 (64.8")	1100 (2240)	□	○	×	
PC300-8, PC300LC-8, PC300-8M0, PC300LC-8M0					2.2 (7'3")	2.55 (8'4")	3.185 (10'5")	4.02 (13'2")
PC300-8M0*12, PC300LC-8M0*12, PC300-8M0*6, PC300LC-8M0*6								
0.52 (0.68)	0.48 (0.63)	610 (24")	740 (29.1")	664 (1460)	○	○	○	
1.14 (1.49)	1.00 (1.31)	1145 (45.1")	1275 (50.2")	900 (1980)	○	○	○	
1.40 (1.83)	1.20 (1.57)	1340 (52.8")	1445 (56.9")	1015 (2240)	○	○	○	
1.40 (1.83)**	1.20 (1.57)	1458 (54.7")	—	1508 (3320)	○	○	○	
1.60 (2.09)	1.40 (1.83)	1515 (59.6")	1645 (64.8")	1102 (2430)	□	□	×	
1.80 (2.35)	1.60 (2.09)	1700 (66.9")	—	1115 (2460)	○	○	×	
PC300-8M0 (SE spec)*10					2.6 (8'6")	3.19 (10'5")		
1.40 (1.83)	1.20 (1.57)	1340 (53")	1445 (57")	1015 (2238)	○	○		
1.60 (2.09)	1.40 (1.83)	1515 (60")	1645 (65")	1102 (2429)	□	□		
1.80 (2.35)	1.60 (2.09)	1700 (67")	—	1115 (2458)	○	○		
1.40 (1.83)***	1.20 (1.57)	—	1458 (57.4")	1508 (3325)	○	○		
2.30 (1.83)*13	2.14 (2.80)	—	1615 (63.6")	1961 (4323)	□	×		
PC300LC-7*11					2.22 (7'3")	3.1 (10'5")		
1.40 (1.83)**	1.20 (1.57)	1458 (57.4")	—	1508 (3,320)	○	Granite		
1.60 (2.09)	1.38 (1.81)	1515 (59.6")	1640 (64.6")	1500 (3,000)	Iron Ore	○		
2.10 (2.74)	1.90 (2.48)	1565 (61.6")	1685 (66.3")	1725 (3,802)	□	×		
PC308USLC-3E0					3.045 (10'0")	3.5 (11'6")	4.2 (13'9")	
0.58 (0.76)	—	—	610 (24")	765 (1686)	○	○	○	
0.78 (1.02)	—	—	762 (30")	774 (1707)	○	○	○	
0.99 (1.29)	—	—	914 (36")	869 (1915)	○	○	○	
1.20 (1.57)	—	—	1067 (42")	949 (2029)	○	○	□	
1.41 (1.85)	—	—	1219 (48")	1045 (2304)	○	○	○	
1.63 (2.13)	—	—	1372 (54")	1142 (2518)	○	□	×	
PC350-8, PC350LC-8					3.185 (10'5")			
1.40 (1.83)***	1.20 (1.57)	1458 (54.7")	—	1508 (3320)	○			
PC350-8M0, PC350LC-8M0, PC350-8M0*6					3.19 (10'5")	2.22 (7'3")	2.55 (8'4")	
0.52 (0.89)	0.48 (0.63)	610 (24")	740 (29")	662 (1459)	○	—	—	
1.14 (1.49)	1.00 (1.31)	1145 (45")	1275 (50")	1108 (2443)	○	—	—	
1.40 (1.83)	1.20 (1.57)	1340 (52.8")	1445 (57")	1209 (2665)	○	—	—	
1.40 (1.83)*13	1.20 (1.57)	1340 (52.8")	1445 (57")	1430 (3153)	○	—	—	
1.60 (2.09)	1.40 (1.83)	1515 (59.6")	1645 (64.8")	1336 (2945)	○	—	—	
1.60 (2.09)*13	1.40 (1.83)	1515 (59.6")	1645 (64.8")	1610 (3549)	○	—	—	
1.80 (2.35)	1.60 (2.09)	1700 (67")	—	1437 (3168)	○	—	—	
1.90 (2.49)*13	—	1340 (52.8")	1445 (57")	1830 (4034)	×	—	○	
2.10 (2.75)*13	1.90 (2.48)	1560 (61.4")	1620 (63.8")	2090 (4608)	×	○	□	
2.30 (3.00)*13	2.14 (2.80)	1690 (66.5")	1750 (68.9")	2090 (4608)	×	□	○	
PC350LC-8*7					2.2 (7'3")	2.54 (8'4")	3.185 (10'5")	4.02 (13'2")
0.68 (0.89)	—	—	610 (24")	878 (1936)	●	●	●	
0.93 (1.22)	—	—	762 (30")	1012 (2231)	●	●	●	
1.18 (1.54)	—	—	914 (36")	1102 (2429)	●	●	●	
1.44 (1.88)	—	—	1067 (42")	1221 (2692)	●	●	●	
1.70 (2.22)	—	—	1219 (48")	1308 (2884)	●	●	○	
1.96 (2.56)	—	—	1372 (54")	1427 (3146)	●	●	□	

- * Without side cutters
- ** Heavy-duty bucket
- *** Rock (Quarry) bucket
- *4 Italy source
- *5 China source
- *6 Thailand source
- *7 Brazil source
- *8 UK source
- *9 USA source
- *10 Indonesia source
- *11 India source
- *12 Russia source
- *13 Me bucket

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)			
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)					
PC360LC-11, PC360LC-10					3.185 (10'5")			
1.40 (1.83)	1.20 (3.94)	1458 (57.4")	1458 (57.4")	1428 (3148)	○			
PC360LC-11^{*9}					2.6 (8'4")	3.2 (10'5")	4.0 (13'2")	
0.93 (1.22)	—	—	762 (30")	1097 (2418)	●	●	●	
1.18 (1.54)	—	—	914 (36")	1198 (2641)	●	●	●	
1.44 (1.88)	—	—	1067 (42")	1325 (2921)	●	●	●	
1.70 (2.22)	—	—	1219 (48")	1426 (3144)	●	●	○	
1.96 (2.56)	—	—	1372 (54")	1554 (3426)	○	○	□	
PC360-8M0^{*5}					3.19 (10'6")			
1.60 (2.09)	—	1535 (60.4")	—	—	○			
1.60 (2.09)	—	1515 (59.6")	—	—	○			
1.60 (2.09)**	—	1230 (48.4")	—	—	○			
1.60 (2.09)**	—	1270 (50")	—	—	○			
PC390LC-11^{*9}					3.2 (10'5")		4.0 (13'2")	
0.93 (1.22)	—	—	762 (30")	1097 (2418)	●	●		
1.18 (1.54)	—	—	914 (36")	1198 (2641)	●	●		
1.44 (1.88)	—	—	1067 (42")	1325 (2921)	●	●		
1.70 (2.22)	—	—	1219 (48")	1426 (3144)	●	○		
1.96 (2.56)	—	—	1372 (54")	1554 (3426)	○	□		
2.22 (2.91)	—	—	1524 (60")	1554 (3426)	□	×		
PC390LC-8M0					2.2 (7'3")		2.6 (8'6")	
2.30 (3.00)	—	—	1560 (61.4")	—	×		○	
2.50 (3.27)	—	—	1685 (66.3")	—	○		×	
2.70 (3.53)	—	—	1805 (71.1")	—	×		□	
2.80 (3.66)	—	—	1865 (73.4")	—	□		×	
PC400-8, PC400-8R, PC400LC-8, PC400LC-8R					2.4 (7'10")	2.9 (9'6")	3.38 (11'1")	4.0 (13'1")
PC400-7, PC400-7^{*12}, PC400LC-7, PC400LC-7^{*12}								
1.30 (1.70)	1.20 (1.57)	1120 (44.1")	1270 (50")	1115 (2458)	○	○	○	○
1.60 (2.09)	1.40 (1.83)	1270 (50")	1420 (55.9")	1197 (2639)	○	○	○	○
1.90 (2.49)	1.70 (2.22)	1475 (58.1")	1625 (64")	1358 (2873)	○	○	○	□
1.90 (2.49)**	1.70 (2.22)	—	1625 (64")	1966 (3757)	○	○	○	×
2.06 (2.69)	1.80 (2.35)	1565 (61.6")	1715 (67.5")	1391 (3067)	□	□	□	⊙
2.10 (2.75)**	1.90 (2.49)	—	1745 (68.7")	2035 (4490)	○	○	○	×
2.20 (2.88)	2.00 (2.62)	1715 (67.5")	—	1396 (3757)	⊙	⊙	⊙	×
					6.7 (22'0")		7.06 (23'2")	
PC400LC-8^{*10} (SE spec)					2.4 (10'7")	3.38 (11'1")	2.4 (10'7")	3.38 (11'1")
1.30 (1.70)	1.20 (1.57)	1120 (44.1")	1270 (50")	1115 (2460)	×	○	○	○
1.60 (2.09)	1.40 (1.83)	1270 (50")	1420 (55.9")	1197 (2640)	×	○	○	○
1.90 (2.49)	1.70 (2.22)	1475 (58.1")	1625 (64")	1358 (2990)	×	○	○	○
1.90 (2.49)**	1.70 (2.22)	—	1625 (64")	1966 (4330)	×	○	○	○
2.06 (2.69)	1.80 (2.35)	1565 (61.6")	1715 (67.5")	1391 (3070)	×	□	□	□
2.10 (2.75)**	1.90 (2.49)	—	1745 (68.7")	2035 (4490)	×	○	○	○
2.20 (2.88)	2.00 (2.62)	1715 (67.5")	—	1396 (3080)	×	⊙	⊙	⊙
3.00 (3.90)	2.80 (3.55)	1650 (64.9")	1730 (68.1")	2,375 (5235)	×	□	□	×
3.20 (4.12)	3.00 (3.92)	1750 (68.9")	1830 (72")	2478 (5465)	□	×	□	×

- * Without side cutters
- *6 Thailand source
- *11 India source
- ** Heavy-duty bucket
- *7 Brazil source
- *12 Russia source
- *** Rock (Quarry) bucket
- *8 UK source
- *13 Me bucket
- *4 Italy source
- *9 USA source
- *5 China source
- *10 Indonesia source

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)			
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)					
PC430-8*5					6.67 (21'11")		7.06 (23'2")	
					2.9 (9'6")		3.38 (11'1")	
1.90 (2.49)**	—	1440 (56.7")	—	—	×		○	
2.10 (2.75)**	—	1440 (56.7")	—	—	○		×	
PC450-8, PC450-8R, PC450LC-8, PC450LC-8R					3.38 (11'1")		—	
1.90 (2.49)**	1.70 (2.22)	—	1625 (64.0")*7	1966 (4330)	○		—	
2.10 (2.75)**	1.90 (2.49)	—	2035 (68.7")*7	2035 (4490)	○		—	
PC450LC-7*11					2.9 (9'6")		2.9 (9'6")	
1.90 (2.49)	1.70 (2.22)	1510 (59.4")	1590 (62.6")	2240 (4935)	○		Rock	
2.20 (2.88)	1.94 (2.54)	1630 (64.2")	1770 (69.7")	2120 (4670)	Iron ore			
2.60 (3.40)	2.29 (3.00)	1710 (67.3")	1845 (72.6")	2200 (4850)	○			
2.85 (3.73)	2.51 (3.28)	1710 (67.3")	1845 (72.6")	2195 (4839)	□			
3.10 (4.05)	2.80 (3.66)	1784 (70.2")	1900 (74.8")	2375 (5235)	□			
PC460LC-8*5					6.67 (21'11")		7.06 (23'2")	
					2.9 (9'6")		3.38 (11'1")	
2.10 (2.75)**	—	1560 (5'1")	—	—	×		○	
2.50 (3.27)	—	1580 (5'2")	—	—	○		×	
PC490LC-11, PC490LC-10					3.38 (11'1")			
1.90 (2.49)	1.70 (2.22)	1625 (64")	—	1941 (4279)	○			
2.10 (2.75)	1.90(2.49)	1745 (68.7")	—	2043 (4504)	○			
PC490LC-11*9					2.9 (9'6")	3.4 (11'2")	4.0 (13'1")	4.8 (15'9")
1.12 (1.47)	—	—	762 (30")	1287 (2838)	●		●	
1.35 (1.76)	—	—	914 (36")	1441 (3176)	●		●	
1.64 (2.15)	—	—	1067 (42")	1561 (3442)	●		●	
1.94 (2.54)	—	—	1219 (48")	1714 (3779)	●		○	
2.25 (2.94)	—	—	1372 (54")	1867 (4117)	●		○	
2.55 (3.34)	—	—	1524 (60")	1988 (4382)	○		□	
2.87 (3.75)	—	—	1676 (66")	2141 (4720)	□		⊙	
3.17 (4.15)	—	—	1829 (72")	2261 (4985)	□		⊙	
					7.06 (23'2")		6.67 (21'11")	
PC500LC-10M0 (SE spec), PC500LC-10R (SE spec)					3.38 (11'1")		2.40 (7'10")	
2.50 (3.27)	2.20 (2.88)	1910 (75.2")	1910 (75.2")	2410 (5313)	○		×	
3.10 (4.05)	2.75 (3.50)	1915 (75.4")	2050 (80.7")	2310 (5093)	□		×	
3.50 (11'6")	3.10 (4.05)	1910 (75.2")	1910 (75.2")	2720 (5997)	×		○	
4.00 (5.23)	3.56 (4.66)	1825 (71.9")	1960 (77.2")	2520 (5556)	×		□	
					7.06 (23'2")		6.67 (21'11")	
PC500LC-8 (SE spec), PC500LC-8R (SE spec)					3.38 (11'1")		2.40 (7'10")	
2.70 (3.53)	—	—	1700 (66.9")	2070 (4564)	○		×	
3.10 (4.05)	2.75 (3.50)	—	1830 (72")	2210 (4872)	□		×	
3.10 (4.05)	2.75 (3.50)	—	1440 (56.7")	3090 (6812)	×		○	
3.50 (11'6")	3.10 (4.05)	—	1550 (61")	3190 (7033)	×		□	
4.00 (5.23)	3.56 (4.66)	—	1720 (67.7")	2890 (6371)	×		□	
PC550LC-8								
3.05 (4.58)	2.60 (3.40)	—	1700 (66.9")	2035 (4486)	2.4 (7'10")		3.38 (11'1")	

- * Without side cutters
- ** Heavy-duty bucket
- *** Rock (Quarry) bucket
- *4 Italy source
- *5 China source

- *6 Thailand source
- *7 Brazil source
- *8 UK source
- *9 USA source
- *10 Indonesia source

- *11 India source
- *12 Russia source
- *13 Me bucket

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)					
		Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)							
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)									
					6.6 (21'9")	7.3 (23'11")	7.66 (25'2")			
					2.9 (9'6")	3.5 (11'6")	3.5 (11'6")	4.3 (14'1")	5.2 (17'1")	
PC600-8E0, PC600LC-8E0, PC600-8R1, PC600LC-8R1										
2.00 (2.62)	1.80 (2.35)	1250 (49.2")	1430 (56.3")	2130 (4700)	—	—	○	○	○	
2.30 (3.01)	2.10 (2.75)	1400 (55.1")	1580 (62.2")	2260 (4980)	—	—	○	□	×	
2.70 (3.53)	2.40 (3.14)	1600 (63.0")	1780 (70.1")	2430 (5360)	—	—	○	×	×	
2.80 (3.66)	2.50 (3.27)	1920 (75.6")	1920 (75.6")	3100 (6830)	—	○	—	—	—	
3.10 (4.05)	2.80 (3.66)	2040 (80.3")	2000 (78.7")	3210 (7080)	×	○*14	×	×	×	
3.50 (4.58)	3.10 (4.05)	2110 (83.1")	2110 (83.1")	3280 (7230)	○	—	—	—	—	
PC650LC-11					3.5 (11'6")		4.3 (14'1")		5.2 (17'1")	
2.00 (2.62)	1.80 (2.88)	1250 (49.2")	1430 (56.3")	2130 (4696)	○		○		○	
2.30 (3.00)	2.10 (2.75)	1400 (55.1")	1580 (62.2")	2260 (4982)	○		○		□	
2.70 (3.53)	2.40 (3.14)	1600 (63")	1780 (70")	2430 (5357)	○		□		×	
					7.28 (23'11")		6.6 (21'8")			
					3.48 (11'5")		2.9 (9'6")			
3.10 (4.05)	—	1800 (70.9")	2035 (80.1")	—	○		×			
3.50 (4.58)	—	1775 (69.9")	1975 (77.8")	—	×		○			
					6.6 (21'8")	7.3 (23'11")	7.66 (25'2")			
					2.9 (9'6")	3.5 (11'6")	3.5 (11'6")	4.3 (14'1")	5.2 (17'1")	
PC700LC-8E0, PC700LC-8R										
2.00 (2.62)	1.80 (2.35)	1250 (49.2")	1430 (56.3")	2130 (4700)	—	—	○	○	○	
2.30 (3.01)	2.10 (2.75)	1400 (55.1")	1580 (62.2")	2260 (4980)	—	—	○	□	×	
2.70 (3.53)	2.40 (3.14)	1600 (63.0")	1780 (70.1")	2475 (5460)	—	—	○	×	×	
2.80 (3.66)	2.50 (3.27)	1920 (75.6")*15	1920 (75.6")*15	2430 (5360)	—	○	×	×	×	
3.10 (4.05)	2.80 (3.66)	2040 (80.3")*15	2040 (80.3")*15	3210 (7080)	—	○	×	×	×	
3.50 (4.58)	3.10 (4.05)	2110 (83.1")*15	2110 (83.1")*15	3335 (7350)	○	—	×	×	×	
4.00 (5.23)	3.50 (4.58)	2110 (83.1")*15	2110 (83.1")*15	3440 (7580)	○	—	×	×	×	
PC700LC-8E0*5					2.9 (9'6")					
4.00 (5.23)	3.50 (4.58)	2110 (83.1")*15	2110 (83.1")*15	3440 (7580)	○					
					7.1 (23'4")	8.2 (26'11")				
					2.9 (9'6")	3.6 (11'10")	4.6 (15'1")	5.6 (18'4")		
PC800-8E0, PC800LC-8E0, PC800-8R1, PC800LC-8R1 (SE spec)										
2.80 (3.66)	2.50 (3.27)	1550 (61.0")	1725 (67.9")	2740 (6040)	—	○	○	○	○	
3.10 (4.05)	2.80 (3.66)	1770 (69.7")	1875 (73.8")	2810 (6195)	—	○	□	□	□	
3.40 (4.45)	3.00 (3.92)	1820 (71.7")	1870 (73.6")	3530 (7782)	—	□	×	×	×	
4.00 (5.23)	3.50 (4.58)	2000 (78.7")	2100 (82.7")	3730 (8232)	○	×	×	×	×	
4.30 (5.62)	3.80 (4.97)	2150 (84.6")	2250 (88.6")	3940 (8686)	□	×	×	×	×	
4.50 (5.89)	4.00 (5.23)	2230 (87.8")	2330 (91.7")	4030 (8885)	□	×	×	×	×	
4.50 (5.89)*13	4.00 (5.23)	2000 (78.7")	2100 (82.7")	4410 (9722)	□	×	×	×	×	
					7.1 (23'4")		8.04 (26'11")			
					2.9 (9'6")		3.6 (11'10")		3.6 (11'10")	
PC850-8E0, PC850-8R1 (SE spec)										
3.40 (4.45)	3.00 (3.92)	1820 (71.7")	1870 (73.6")	3990 (8796)	—	×			○	
4.00 (5.23)	3.50 (4.58)	2000 (78.7")	2050 (80.7")	4230 (9325)	○		×		×	
4.00 (5.23)	3.50 (4.58)	2000 (78.7")	2050 (80.7")	4260 (9392)	×		○		×	
4.00 (5.23)	3.50 (4.58)	2000 (78.7")	2100 (82.7")	3730 (8232)	○		×		×	
4.30 (5.62)	3.80 (4.97)	2150 (84.6")	2250 (88.6")	3940 (8686)	○		×		×	
4.50 (5.89)	4.00 (5.23)	2230 (87.8")	2330 (91.7")	4030 (8885)	□		×		×	
4.50 (5.89)*13	4.00 (5.23)	2000 (78.7")	2100 (82.7")	4410 (9722)	□		×		×	

- | | | |
|--------------------------|----------------------|-----------------------------|
| * Without side cutters | *6 Thailand source | *11 India source |
| ** Heavy-duty bucket | *7 Brazil source | *12 Russia source |
| *** Rock (Quarry) bucket | *8 UK source | *13 Me bucket |
| *4 Italy source | *9 USA source | *14 Available to LC crawler |
| *5 China source | *10 Indonesia source | *15 Bucket lip width |

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)		
		Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)				
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)						
PC1250-11, PC1250LC-11					9.1 (29'10")		
					3.4 (11'2")	4.5 (14'9")	5.7 (18'8")
3.40 (4.45)	3.00 (3.92)	1500 (59.1")	1670 (65.7")	3550 (7826)	×	●	○
4.00 (5.23)	3.50 (4.58)	1710 (67.3")	1880 (74")	3820 (8422)	●	○	○
5.00 (6.54)	4.30 (5.62)	2050 (80.7")	2220 (87.4")	4370 (9634)	○	□	□
5.20 (6.80)	4.50 (5.89)	2050 (80.7")	2110 (83.1")	5780 (12743)	○	□	×
					7.8 (25'7")		
					3.4 (11'2")		
6.70 (8.76)	5.90 (7.72)	2280 (89.8")	2340 (92.1")	6500 (14,320)	○	—	—
PC1250-7, PC1250-8, PC1250-8R					3.4 (11'2")		
3.40 (4.4)	3.00 (3.9)	1500 (59.1")	1670 (65.7")	3600 (7940)	—	●	○
4.00 (5.2)	3.50 (4.6)	1710 (67.3")	1880 (74")	3800 (8380)	●	○	□
5.00 (6.5)	4.30 (5.6)	2050 (80.7")	2220 (87.4")	4400 (9700)	○	□	—
5.20 (6.8)	4.50 (5.9)	2050 (80.7")	2110 (83.1")	5100 (11240)	○	—	—
PC1250-7, PC1250-8, PC1250-8R (SP spec)					3.4 (11'2")		
6.70 (8.8)	5.90 (7.7)	2280 (89.8")	2340 (92.1")	6000 (13230)	○		
PC1250-8R^{*10}					3.4 (11'2")		
6.70 (8.8)	5.90 (7.7)	2280 (89.8")	2340 (92.1")	6300 (13890)	○		
PC2000-11, PC2000-8, PC2000-8^{*10}					8.7 + 3.9 (28'7" + 12'10")		
12.00 (15.7) ^{*16}	11.00 (14.4)	2600 (102")	2670 (105")	12400 (27340)	○		
12.00 (15.7)	11.00 (14.4)	2600 (102")	2670 (105")	9700 (21380)	○		
13.70 (17.9) ^{*16}	12.00 (15.7)	2720 (107")	2790 (110")	12500 (27560)	□		
13.70 (17.9)	12.00 (15.7)	2720 (107")	2790 (110")	10500 (23150)	□		

- | | | |
|--------------------------|----------------------|---------------------------|
| * Without side cutters | *6 Thailand source | *11 India source |
| ** Heavy-duty bucket | *7 Brazil source | *12 Russia source |
| *** Rock (Quarry) bucket | *8 UK source | *13 Me bucket |
| *4 Italy source | *9 USA source | *16 Wear-resistant bucket |
| *5 China source | *10 Indonesia source | |

Bucket and Arm Combinations

EXCAVATORS (BACKHOE)

These charts are based on over-side stability with fully loaded bucket at maximum reach.

- : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ◇ : Light duty work, weight up to 0.9 t/m³ (1500 lb/cu.yd)
- × : Not usable

Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Arm length m (ft.in)			
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)					
HB205-1M0, HB215LC-M0					2.93 (9'7")			
0.80 (1.05)	0.70 (0.92)	1045 (41.1")	1170 (46.1")	635 (1,400)	○			
0.93 (1.22)	0.80 (1.05)	1200 (47.2")	1325 (52.2")	696 (1,530)	⊙			
1.05 (1.37)	0.90 (1.18)	1330 (52.4")	1455 (57.3")	757 (1,670)	⊙			
HB205-1M0**					2.93 (9'7")			
0.80 (1.05)	—	1045 (41.1")	—	635 (1,400)	○			
0.90 (1.18)	—	1045 (41.1")	—	696 (1,530)	○			
0.94 (1.23)	—	1200 (47.2")	—	757 (1,670)	○			
HB215LC-3, HB215LC-2					2.93 (9'7")			
0.80 (1.05)	0.70 (0.92)	1045 (41.1")	1170 (46.1")	635 (1,400)	○			
0.93 (1.22)	0.80 (1.05)	1200 (47.2")	1325 (52.2")	696 (1,530)	⊙			
1.05 (1.37)	0.90 (1.18)	1330 (52.4")	1455 (57.3")	757 (1,670)	⊙			
HB215LC-1M0**					2.93 (9'7")			
1.00 (1.31)	—	1085 (42.7")	—	—	○			
1.06 (1.39)	—	1330 (52.4")	—	—	○			
HB335LC-1					2.22 (7'3")	2.55 (8'4")	3.19 (10'5")	4.02 (13'2")
0.52 (0.68)	0.48 (0.63)	610 (24")	740 (29")	664 (1464)	○	○	○	○
1.14 (1.49)	1.00 (1.31)	1145 (45")	1275 (50")	900 (1984)	○	○	○	○
1.40 (1.83)	1.20 (1.57)	1340 (53")	1445 (57")	1015 (2238)	○	○	○	⊙
1.60 (2.09)	1.40 (1.83)	1515 (60")	1645 (65")	1102 (2429)	□	□	□	×
1.80 (2.35)	1.60 (2.09)	1700 (67")	—	1115 (2458)	⊙	⊙	⊙	×
1.40 (1.83)***	1.20 (1.57)	—	1458 (57.4")	1508 (3325)	○	○	○	×
1.50 (1.96)***	1.30 (1.70)	—	1458 (57.4")	1560 (3439)	○	○	○	×
HB365LC-3					2.54 (8'4")	3.185 (10'6")	4.02 (13'2")	
1.40 (1.83)	1.20 (1.57)	1458 (57.4")	1458 (57.4")	1428 (3148)	○	○	□	
HB365LC-1					3.19 (10'5")			
1.40 (1.83)***	1.20 (1.57)	—	1458 (57.4")	1508 (2225)	○			
1.50 (1.96)***	1.30 (1.70)	—	1458 (57.4")	1560 (3439)	○			
1.70 (2.22)***	1.50 (1.96)	—	1714 (67.5")	1772 (3907)	○			

- * Without side cutters
- ** Heavy-duty bucket
- *** Rock (Quarry) bucket
- *4 China source

Bucket and Arm Combinations

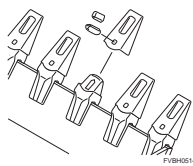
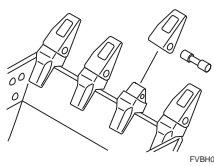
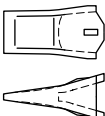
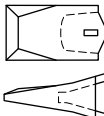
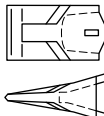
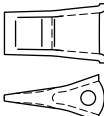
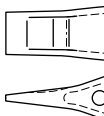
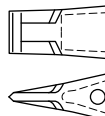
EXCAVATORS (BACKHOE)


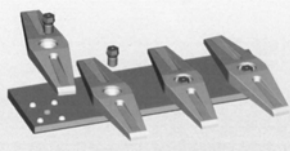
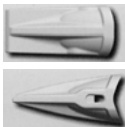
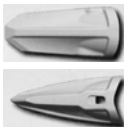
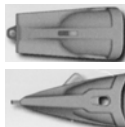
These charts are based on over-side stability with fully loaded bucket at maximum reach.					
<ul style="list-style-type: none"> ● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd) ○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd) □ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd) ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd) × : Not usable 					
Bucket capacity (heaped)		Width		Weight kg (lb) (With side cutters or side shrouds)	Boom length + Arm length m (ft.in)
SAE, PCSA m ³ (cu.yd)	CECE m ³ (cu.yd)	Without side cutters or side shrouds mm (in)	With side cutters or side shrouds mm (in)		
PC3000-6, PC3000E-6					8.6 + 4.0 (28'3" + 13'1")
12.0 (15.7)	10.6 (13.9)	3045 (120")	3115 (123")	14079	● 2.3 t/m ³
15.0 (19.5)	13.2 (17.3)	3260 (128")	3320 (131")	15244	○
16.5 (21.5)	14.75 (19.3)	3045 (120")	3115 (123")	15315	○ 1.6 t/m ³
PC4000-6, PC4000E-6, PC4000-11					9.75 + 4.5 (32'0" + 14'9")
19.0 (25.0)	16.7 (21.8)	3050 (120")	3259 (128")	20808	● 2.15 t/m ³
22.0 (29.0)	19.0 (25.0)	3790 (149")	3800 (150")	23331	○
23.0 (30.0)	20 (26.1)	3790 (149")	3800 (150")	25426	○ 1.7 t/m ³
PC5500-6, PC5500E-6					11 + 5.1 (36'1" + 16'9")
26.0 (34.0)	22.14 (28.9)	4380 (172")	4390 (173")	34088 (WP3 / HD)	○ 2.1 t/m ³
29.0 (38.0)	24.3 (31.8)	4380 (172")	4390 (173")	33533	○
PC7000-6, PC7000E-6					11 + 5.1 (36'1" + 16'9")
36.0 (47.0)	31 (40.5)	4550 (179")	4782	38816	○ 1.9 t/m ³
PC8000-6, PC8000E-6					11.5 + 5.5 (37'9" + 18'1")
42.0 (55.0)	36.9 (48.3)	4575 (180")	4585 (180.5")	44628	○

Teeth Features and Teeth Selection

EXCAVATORS (BACKHOE)

Teeth Selection for Excavators (Backhoe)

Type Current production Model	KOMATSU					
	Vertical pin type			Horizontal pin		
						
	Standard	Long Life	Self-sharpened	Standard	Long Life	Self-sharpened
						
PC130-8 PC138US PC160-8 PC200/210	◎	○	○	◎	○	○
PC220/230 PC270/290 PC300/350	◎	○	○	◎	○	○
PC400/450 PC550	◎	○	○	◎	○	○
PC600/650/700	—	—	—	—	—	—
PC800/850	—	—	—	—	—	—
PC1250	—	—	—	—	—	—
PC2000	—	—	—	—	—	—

Type Current production Model	Hensley				Komatsu KVX
	KMAX series (XS series)				KVX
					
	SYL (Standard)	RC (Rock Chisel)	SC (Short)	Others	
					
PC130-8 PC138US PC160-8 PC200/210	△	△	△	△	
PC220/230 PC270/290 PC300/350	△	△	△	△	
PC400/450 PC550	△	△	△	△	
PC600/650/700	◎*	◎**	○	○	
PC800/850	◎*	◎**	○	○	
PC1250	○	◎	○	○	
PC2000	○	○	◎	○	

◎ : Installed at Komatsu factory as a first fit optional equipment
 ○ : Parts order needed separately and/or Hensley to Komatsu Parts Department.
 △ : Ask Hensley/KVX in detail
 — : On current production models
 * : General purpose bucket
 ** : Quarry rock bucket
 For detail: Ask Hensley/Komatsu Parts Department

1. Komatsu vertical pin and horizontal pin type

- Long-life bucket tooth:
Fits the work site where wear resistance of the tooth is required because it must be used to collect sand and gravel.
- Self-sharpened bucket tooth:
Fits the work site where penetration ease of the tooth is required because it must be used to dig rock and clay after blasting.
- Standard bucket tooth:
Fits other general work sites.

2. Hensley teeth

1) Features

Tooth

- Penetrative ability can be maintained for long period of time by performing the rotation/ reverse.
- Wear resistance is reinforced with "Through-Hard" (hardened entirely).



Adapter

- Adapter nose is large and sturdy.
- Shape of the adapter is smoothly round which prevents concentration of stress.



Tooth lock pin

- It can be removed and installed easily by using socket wrench.
- It is able to use several times, and economical.



KMAX is easier

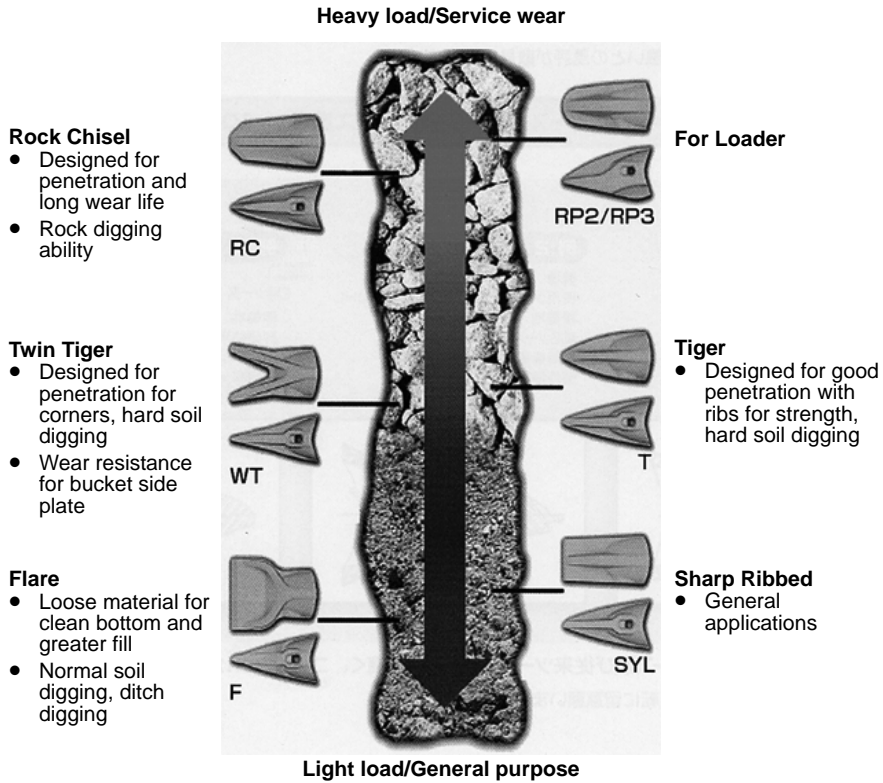
KMAX is locked with a latch. This ensures the easiest, safest and most secure locking method for a hammer-less system. No prying or special tools are needed. The teeth can be changed quickly and with minimal effort.



Locked and open position



2) Teeth Selection









Application model

Series		Excavators
KMAX	XS	STANDARD/HEAVY DUTY
	XS04	PC20-PC45
	XS05	PC55-PC70
	XS10	PC78-PC88
K15	XS15	PC110-PC138
K20	XS20	PC160-PC200
K25	XS25	PC220-PC290
K30	XS30	PC300
K40	XS40	PC350-PC400
K50	XS50	PC450-PC600
K70	XS70	—
K85	XS85	PC800-PC1250
	XS115	PC1400-PC1600
	XS145	PC2000
	XS250 XS252	PC3000BH-PC3000FS
	XS340 XS342	PC4000BH
	XS390 TS922	PC4000FS
	XS640 TS1122	PC5500BH-PC5500FS
	XS800 TS1222	PC8000BH-PC8000FS

For detail: Ask Hensley/Komatsu Parts Department

3) KMAX and XS teeth selection for excavators

Tooth style		Feature - Application	Benefit - Advantage
Sharp Ribbed (SYL)		<ul style="list-style-type: none"> • General purpose shape used on excavators • Ribbs for support • Centerline tooth 	Wears sharp for good penetration
Rock Chisel (RC)		<ul style="list-style-type: none"> • Heavy duty tooth shape • Used on excavators • Centerline tooth 	<ul style="list-style-type: none"> • Additional wear material for abrasive, tough digging conditions • Profile wears sharp for good penetration
Tiger (T)		<ul style="list-style-type: none"> • Ribs provide strength for tough digging conditions • Used on excavators • Centerline tooth 	Tooth shape provide maximum penetration
Twin Tiger (T)		<ul style="list-style-type: none"> • Used on corner adapters to cut bucket clearance • Used on excavators • Centerline tooth 	Tooth shape provide maximum penetration
U Twin Tiger (UT)		<ul style="list-style-type: none"> • Used on corner adapters to cut bucket clearance • Used on excavators • Centerline tooth 	<ul style="list-style-type: none"> • Better penetration • Parallel sides keep cut width constant during work
Flare (F)		<ul style="list-style-type: none"> • Wide profile for general purpose clean up and trench bottoms • Used on excavators • Centerline tooth 	Panels provide strength for excavating

3. K VX teeth system

1) Features

K VX GET is a "system", where the lip and other GET components work together to bring you unique benefits:

1. Recessed bolt heads mean:

- better penetration & productivity
- less hang-ups during dumping
- no exposed nuts inside the bucket

2. Threaded lip and/or GET components mean:

- positive retention throughout wear life
- more useable wear material (no mounts or plough bolt heads to wear off)
- elimination of troublesome nuts, washers, lock or retainers

3. K VX bolts mean:

- far superior GET retention than both plough bolt systems & pinned/locked systems
- high strength, enhancing impact resistance & allowing fitment of longer-life components which protrude further in front of the lip than conventional bolt or pin/lock systems can retain

4. Flat faced components mean up to 100% useable steel!

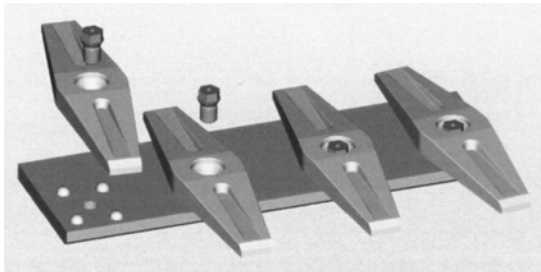
- after use as a GET components, competitive shrouds, adapters & teeth are discarded as scrap (often more than 50% "throw-away"). In contrast, K VX's "flat" GET components are re-used as wear & impact liners elsewhere in the mining operation, saving you money on alternative wear products

5. Adapterless & retainerless K VX design means:

- no adapters, retainers or profile bars to repair or replace
- no adapter, mount or profile bar welding
- almost zero risk of GET loss
- less risk of significant repair and downtime related to site costs due to lost GET parts damaging other plant
- excellent protection for underside of lip & bucket (minimal bucket underside wear)
- thinner frontal GET/lip profile for superior productivity and fuel efficiency plus less wheel spin

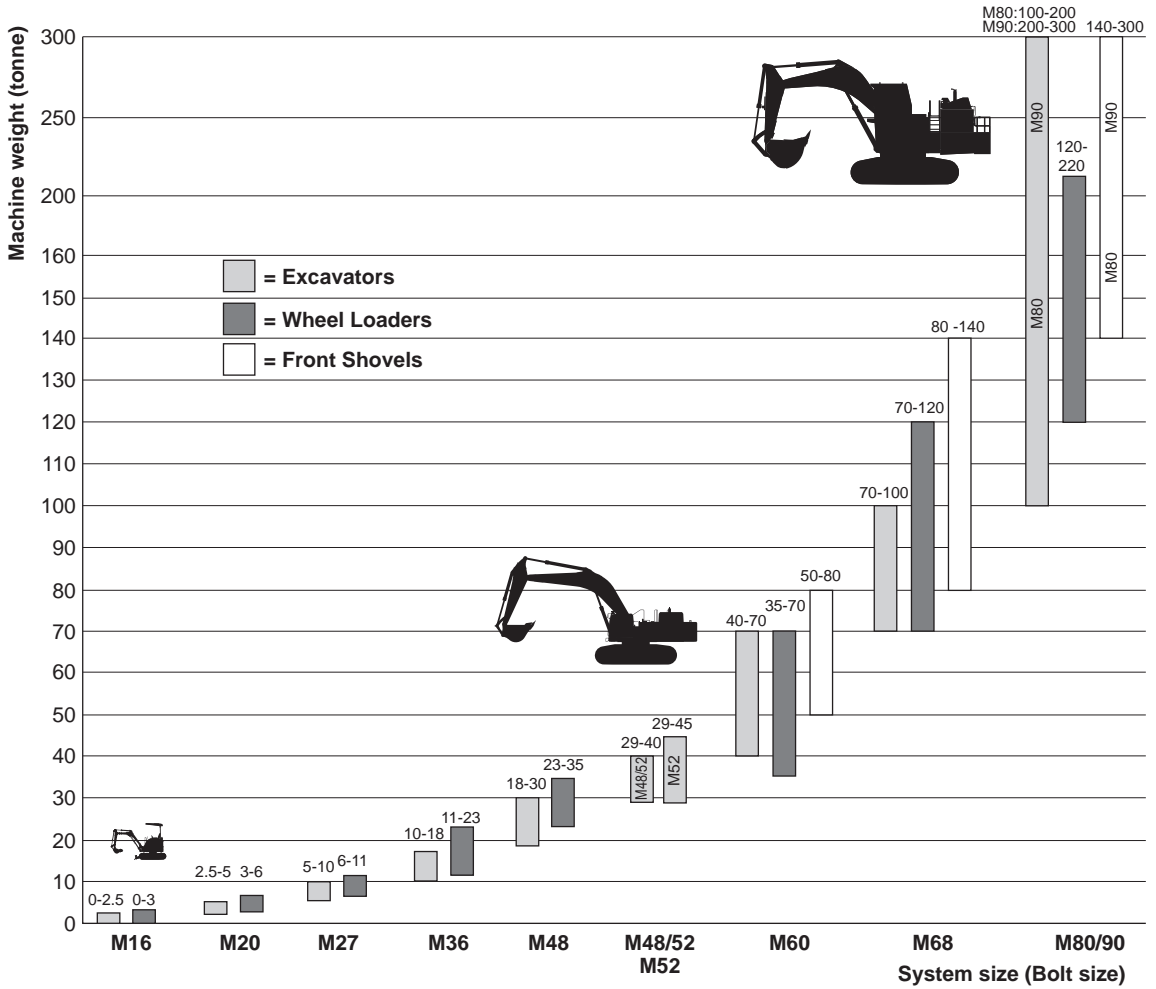
6. Sagitta steel means:

- longer GET life than typical castings (due to toughness, hardness and available steel)
- fewer change-outs and less bucket & GET Maintenance
- superior reliability



2) Teeth selection

How to select the right KVX system

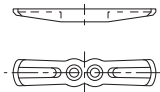


The graph indicates the recommended KVX system based on machine weight.

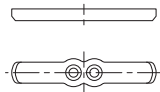
If in doubt, choose the larger system.

FVBH0494

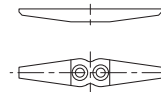
A: STANDARD



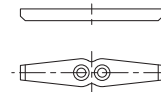
B: STONE



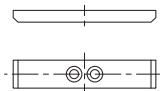
C: TORPEDO



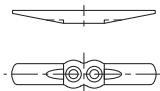
D: STORE TORPEDO



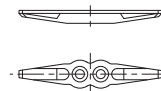
E: STONE HD



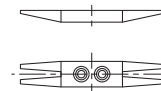
F: PENETRATION



G: TIGER



H: TWIN TIGER



FVBH0189

**Teeth Features
and Teeth Selection**

**EXCAVATORS
(BACKHOE)**

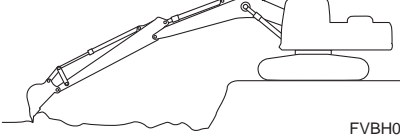
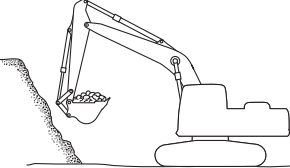
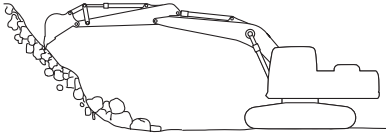
KVX Tooth Table

Model	Bolt Size	TOOTH SHAPES							
		A	B	C	D	E	F	G	H
PC120, PC200	M36	○	○	—	—	—	○	○	○
PC200, PC300	M48	○	○	—	○	○	○	○	○
PC350, PC450	M48 / 52	○	—	○	—	○	—	○	○
PC450, PC600	M60	○	○	—	○	○	—	○	○
PC600, PC800	M68	—	—	—	○	○	—	○	○
PC1250	M80	—	—	—	○	○	—	○	○

○ : Available

1. Basic idea for selecting Excavator

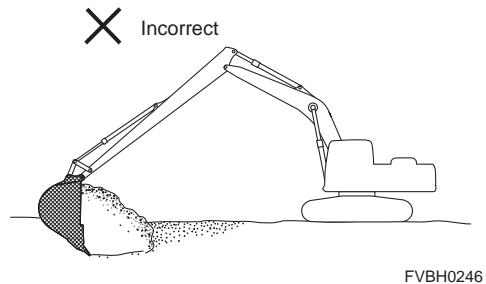
The concept of combining (1) Bucket Size, (2) Arm Length, (3) Boom Length in regards selecting Hydraulic Excavator for several specific operation to match the operation characteristic.

	Type of Operation	Recommended Combination		
		Boom	Arm	Bucket
1	Wide Working Range  FVBH0242	Long	Long	Small Capacity
2	Mass Production  FVBH0243	Short	Short	Large Capacity
3	Heavy Duty Work  FVBH0245	Reinforced Boom	Reinforced Arm	Heavy-duty Bucket Narrow Bucket or Ripper Bucket

2. Incorrect Combination

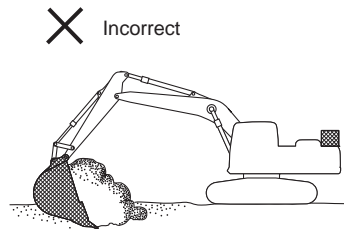
1) Long Arm with Large Capacity Bucket

If a machine is operated with long arm and a large capacity bucket larger than standard, the machine will become unstable and also will lose digging power, therefore operating efficiency will drop. In particular, if a strong shock load is applied to the bucket, there is a risk that the arm may also break.



2) Additional Counterweight

If an excessively large bucket or heavy attachment is installed, the machine will become unstable so it is common to see additional counterweights used. However, this means that extra load is applied not only to work equipment and undercarriage, but also to the whole machine, so this will potentially reduce overall machine service life.

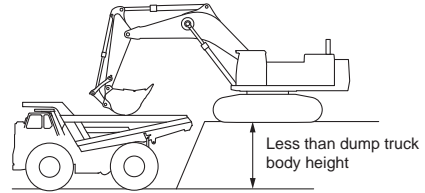


3. Concepts for selection of backhoe type and loading shovel

1) Bench height (ease of loading)

From the point of view loading easiness (to a truck), Loading Shovel spec. is to be selected when bench height is more 5 m (16'5") and Backhoe type is to be selected if bench height is less than 5 m (16'5").

In case of backhoe type, bench height should be less than dump body height to ensure efficient loading.



FVBH0248

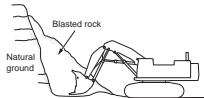
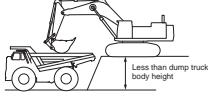
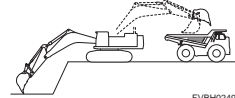
2) Digging function

Loading shovel : This type is suitable for loading blasted rocks where there are many large lumps and digging force is required. When digging flat surfaces, its horizontal pushing force is strong and it can show its advantage, but it is not suitable for digging above ground level.

Backhoe : This type is an all-round attachment for digging and loading. Please make sure to combine with shorter work equipment (boom, arm) in the occasion increasing bucket size for the purpose production volume improvement.

Large Size Hydraulic Excavator Work Equipment Selection Guide

Please refer below table to select the suitable work equipment combination.

				
	Loading Shovel	Backhoe SE	Backhoe	
Applicable Jobsite	Quarry or mining site where loading job is performed on blasted rock. Loading job on relatively loose terrain based on soil and sand.	Quarry or mining site where digging and loading job is performed on a large amount of relatively loose object materials (blasted rock).	Quarry or mining site where digging and loading job is performed on rock, blasted rock, and soft rock ground, imposing high load/ stress to work equipment.	Depends on jobsite conditions, hydraulic excavator may need to operate on the same floor as the truck. Since this method requires a larger swing angle, cycle time is longer. Also, fuel consumption increases due to higher lift. (This method is applied for under-the-water excavation on rivers, etc.)
Object/materials	Soil and sand, Rock, Blasted rock	Rock, Blasted rock, Gravel	Rock, Blasted rock, Gravel, Soft rock-based natural ground	Soil and sand, Rock, Blasted rock
Usage	Digging and loading	Digging and loading	Digging and loading Scraping Root Cutting	Digging and loading
PC600	STD Spec.	Boom 6.6 m (21'8"); Arm: 2.9m (9'6")	Boom 7.3m (23'11"); Arm: 3.5m (11'6")	Boom 7.3m (23'11"); Arm: 3.5m (11'6")
PC700LC	None	Boom 6.6 m (21'8"); Arm: 2.9m (9'6")	Boom 7.3m (23'11"); Arm: 3.5m (11'6")	Boom 7.3m (23'11"); Arm: 3.5m (11'6")
PC800	STD Spec.	Boom 7.1 m (23'4"); Arm: 2.95m (9'8")	Boom 8.2m (26'11"); Arm: 3.6m (11'10")	Boom 8.2m (26'11"); Arm: 3.6m (11'10")
PC850	None	Boom 7.1 m (23'4"); Arm: 2.95m (9'8")	Boom 8.04m (26'11"); Arm: 3.6m (11'10")	Boom 8.04m (26'11"); Arm: 3.6m (11'10")
PC1250	STD Spec.	Boom 7.8 m (25'7"); Arm: 3.4m (11'2")	Boom 9.1m (29'10"); Arm: 3.4m (11'2")	Boom 9.1m (29'10"); Arm: 4.5m (14'9")
PC2000	STD Spec.	Boom 8.7m (28'7"); Arm: 3.9m (12'10")	Boom 8.7m (28'7"); Arm: 3.9m (12'10")	Boom 8.7m (28'7"); Arm: 3.9m (12'10")
PC3000	STD Spec.	Boom 8.6m (28'3"); Arm: 4.0m (13'1")	Boom 8.6m (28'3"); Arm: 4.0m (13'1")	Boom 8.6m (28'3"); Arm: 4.0m (13'1")
PC4000	STD Spec.	Boom 9.75m (32'0"); Arm: 4.5m (14'9")	Boom 9.75m (32'0"); Arm: 4.5m (14'9")	Boom 9.75m (32'0"); Arm: 4.5m (14'9")
PC5500	STD Spec.	Boom 11.0m (36'1"); Arm: 5.1m (16'9")	Boom 11.0m (36'1"); Arm: 5.1m (16'9")	Boom 11.0m (36'1"); Arm: 5.1m (16'9")
PC7000	STD Spec.	Boom 11.0m (36'1"); Arm: 5.1m (16'9")	Boom 11.0m (36'1"); Arm: 5.1m (16'9")	Boom 11.0m (36'1"); Arm: 5.1m (16'9")
PC8000	STD Spec.	Boom 11.5m (37'9"); Arm: 5.5m (18'1")	Boom 11.5m (37'9"); Arm: 5.5m (18'1")	Boom 11.5m (37'9"); Arm: 5.5m (18'1")

NOTE: Bucket size depends on material's loose density. For details, see "Bucket and Arm Combination".

Hydraulic excavator and dump truck combination

Hydraulic Excavator		Dump Truck								
Model (B/H)	Bucket Capacity (Heaped) m ³ (cu.yd)	HM300	HM350	HM400	HD325	HD405	HD465	HD605	HD785	HD1500
		Payload m. ton (U.S. ton)								
		28 (31)	32.3 (35.6)	40 (44)	36.5 (40)	40 (44)	55 (61)	63 (69.4)	91 (100)	142 (156.5)
	Body Capacity m ³ (cu. yd)									
(SAE)	17.1 (22.4)	19.8 (25.9)	24 (31.4)	24 (31.4)	27.3 (35.7)	34.2 (44.7)	40 (52.3)	60 (78.5)	78 (102)	
PC400(LC)	1.9 (2.49)	8	10	12	11	12				
	2.06 (2.69)	8	9	11	10	11				
PC400(LC) [SE]	2.8 (3.66)	6	7	8	7	8				
PC450	1.9 (2.49)	8	10	12	11	12				
	2.1 (2.75)	8	9	11	10	11				
PC450(LC) [SE]	2.8 (3.66)	6	7	8	7	8				
PC490(LC)	2.25 (2.94)	7	8	10	9	10				
	2.55 (2.94)	6	7	9	8	9	12			
PC500LC	2.7 (3.53)	6	7	8	8	8	12			
	3.1 (4.05)	5	6	7	7	7	10	12		
PC500LC [SE]	3.1 (4.05)	5	6	7	7	7				
	3.5 (4.58)	5	5	7	6	7				
	4 (5.23)	4	5	6	5	6				
PC600(LC), PC700LC	2 (2.62)	8	9	11	10	11				
	2.3 (3.01)	7	8	10	9	10				
	2.7 (3.53)	6	7	8	8	8	12			
	2.8 (3.66)	6	7	8	7	8	11			
	3.1 (4.05)	5	6	7	7	7	10	12		
PC600(LC) [SE]	3.5 (4.58)	5	5	7	6	7	9			
PC700LC [SE]	3.5 (4.58)	5	5	7	6	7	9			
	4 (5.23)	4	5	6	5	6	8			
PC800	2.8 (3.66)	6	7	8	7	8	11			
	3.1 (4.05)	5	6	7	7	7	10	12		
	3.4 (4.45)	5	6	7	6	7	9	11		
PC800 [SE]	4 (5.23)	4	5	6	5	6	8	9		
	4.3 (5.6)	4	4	5	5	5	7	8		
	4.5 (5.9)	4	4	5	5	5	7	8		
PC850	3.4 (4.45)	5	6	7	6	7	9	11		
PC850 [SE]	4 (5.23)	4	5	6	5	6	8	9		
	4.3 (5.6)	4	4	5	5	5	7	8		
	4.5 (5.9)	4	4	5	5	5	7	8		
PC1250	4 (5.23)	4	5	6	5	6	8	9		
	5 (6.5)	3	4	5	4	5	6	7	10	
PC1250 [SP]	5.2 (6.8)	3	4	5	4	5	6	7	10	
	6.7 (8.8)	3	3	4	3	4	5	5	8	
PC2000	12 (15.7)						3	3	4	7
	13.7 (17.9)							3	4	6

Note: B/H: Backhoe

Number of passes: 4 to 8: Suitable; 3, 9 to 12: Possible but not suitable

Above combination is determined by following method:

(1) Suitable number of (bucket) passes (n):

$$n = \frac{\text{Dump Truck Maximum Payload}}{\text{Bucket Capacity} \times \text{Bucket Fill Factor} \times \text{Loose Density}} \quad \text{or} \quad n = \frac{\text{Dump Truck Capacity (heaped)}}{\text{Bucket Capacity} \times \text{Bucket Fill Factor}}$$

Number of (bucket) passes is calculated based on following condition.

1. Calculate number of passes from Dump Truck Maximum Payload.
Please see formula 1.
2. Calculate number of passes from Dump Body Capacity.
Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1

Number of passes = Dump Truck Maximum Payload / (Bucket Capacity × Bucket Fill Factor × Loose Density)

Formula 2

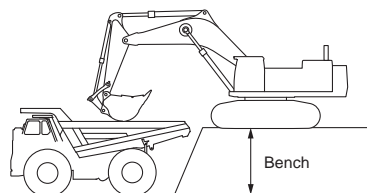
Number of passes = Dump Body Capacity / (Bucket Capacity × Bucket Fill Factor)

Below is the basic assumptions:

Loose Density = 1.8 metric ton per cubic meter

Bucket Fill Factor = 1.0

Loading method = Bench Loading (Backhoe)



FVBH0248

Please refer to selection "14B FOR QUARRY" to view "Hydraulic Excavator and Dump Truck Combination" table counted with Bucket Fill Factor of 0.9.

Hydraulic excavator and dump truck combination

Hydraulic Excavator		Dump Truck							
Model (B/H)	Bucket Capacity (Heaped) m ³ (cu.yd)	HD785	HD1500	730E	830E-AC	860E-1K	930E-4 930E-4SE	960E 960E-2K	980E
		Payload m. ton (U.S. ton)							
		91 (100)	142 (156.5)	181 (200)	222 (244)	254 (280)	292 (320)	327 (360)	370 (107)
	Body Capacity m ³ (cu. yd)								
(SAE)	60 (78.5)	78 (102)	111 (145)	147 (193)	169 (221)	211 (276)	214 (280)	250 (327)	
PC3000	12 (15.7)	4	7						
	15 (19.5)	4	6	7					
	16.5 (21.5)	3	5	6					
PC4000	22 (28.8)	3	4	5	6	7			
PC5500	26 (34)		3	4	5	6	6	7	
	29 (38)		3	4	5	5	6	7	7
PC7000	36 (47)			3	4	4	5	5	6
PC8000	42 (55)			3	3	4	4	5	5

Note: B/H: Backhoe
 Number of passes: 3 to 7: Suitable
 Above combination is determined by following method:
 (1) Suitable number of (bucket) passes (n):

$$n = \frac{\text{Dump Truck Maximum Payload}}{\text{Bucket Capacity} \times \text{Bucket Fill Factor} \times \text{Loose Density}} \quad \text{or} \quad n = \frac{\text{Dump Truck Capacity (heaped)}}{\text{Bucket Capacity} \times \text{Bucket Fill Factor}}$$

Number of (bucket) passes is calculated based on following condition.

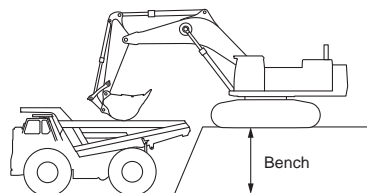
1. Calculate number of passes from Dump Truck Maximum Payload. Please see formula 1.
2. Calculate number of passes from Dump Body Capacity. Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1
 Number of passes = Dump Truck Maximum Payload / (Bucket Capacity × Bucket Fill Factor × Loose Density)

Formula 2
 Number of passes = Dump Body Capacity / (Bucket Capacity × Bucket Fill Factor)

Below is the basic assumptions:
 Loose Density = 1.8 metric ton per cubic meter
 Bucket Fill Factor = 1.0

Loading method = Bench Loading (Backhoe)



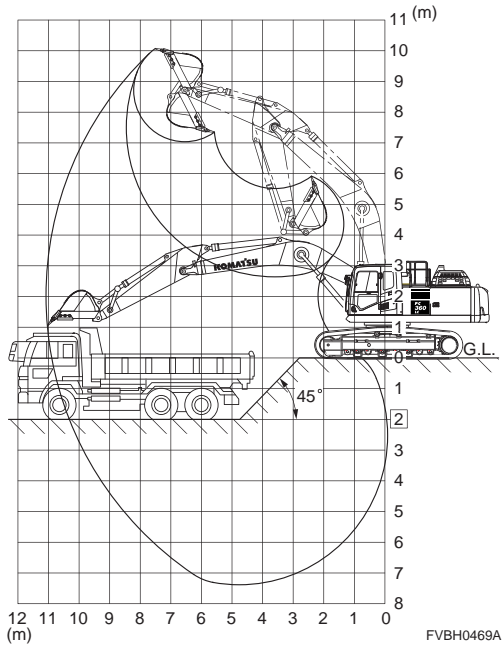
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Working range and load height

Normal rock-loading operations:

Loading machine: PC350-8 (8M0)
PC360LC-10, PC360LC-11

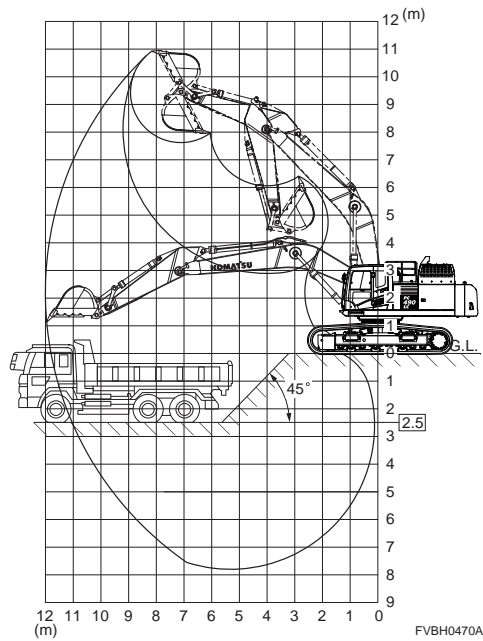
Dump truck: 11-ton



Normal rock-loading operations:

Loading machine: PC450-8(8R)
PC490LC-10, PC490LC-11
PC500LC-8 (8R), PC500-10M0 (10R)

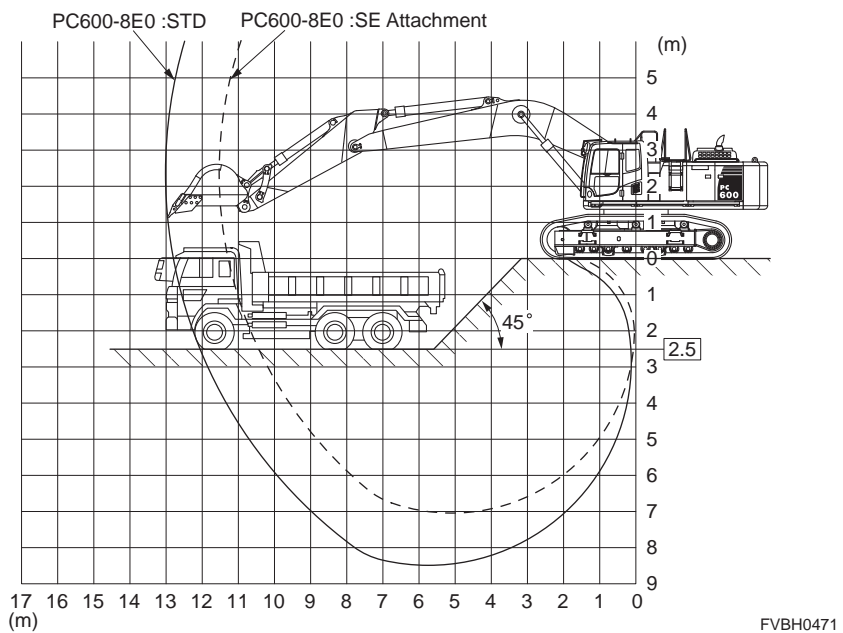
Dump truck: 11-ton



Normal rock-loading operations:

Loading machine: PC600-8E0(8R1)

Dump truck: 11-ton

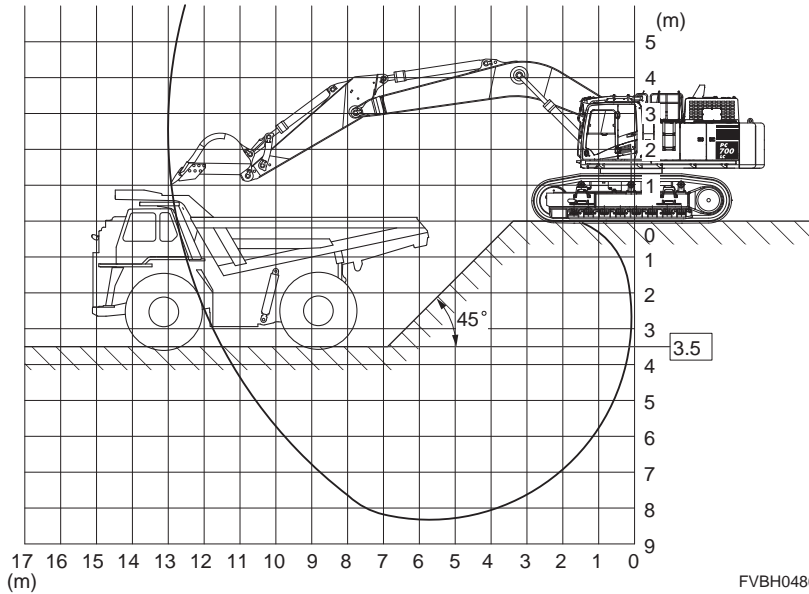


Working range and load height

Normal rock-loading operations:

Loading machine: PC650LC-11, PC700LC-8E0 (8R), PC700LC-11

Dump truck: HD325-7 (7R), HD405-7 (7R), HD405-8

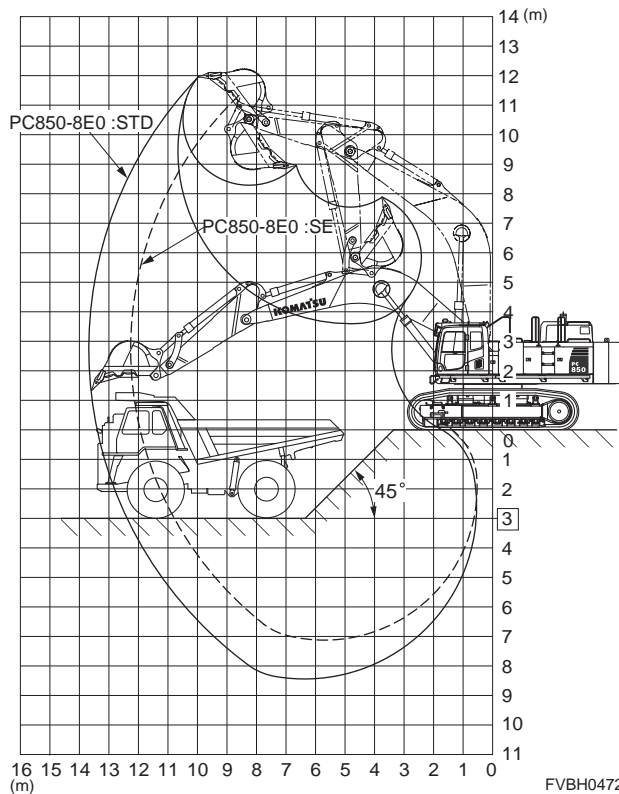


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Normal rock-loading operations:

Loading machine: PC850-8E0(8R1)

Dump truck: HD325-7(7R), HD325-8, HD405-7 (7R), HD405-8



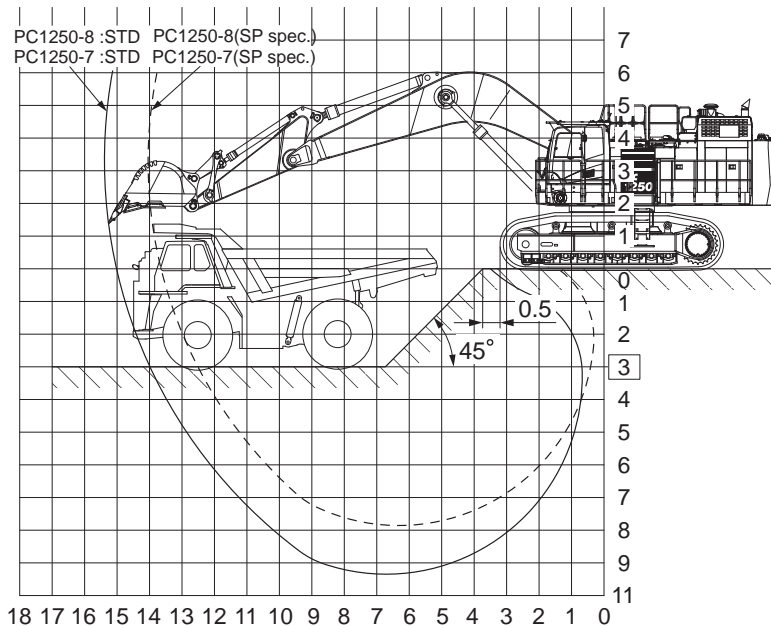
FVBH0472

Working range and load height

Normal rock-loading operations:

Loading machine: PC1250-7, PC1250-7(SP spec.), PC1250-8(8R), PC1250-8(8R)(SP spec.)
PC1250SP-11

Dump truck: HD465-7E0(7R), HD465-8, HD605-8

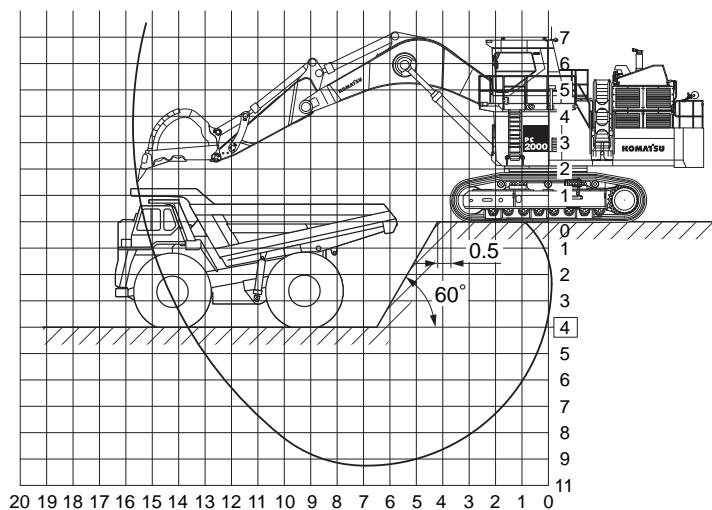


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Normal rock-loading operations:

Loading machine: PC2000-8, PC2000-11

Dump truck: HD785-7



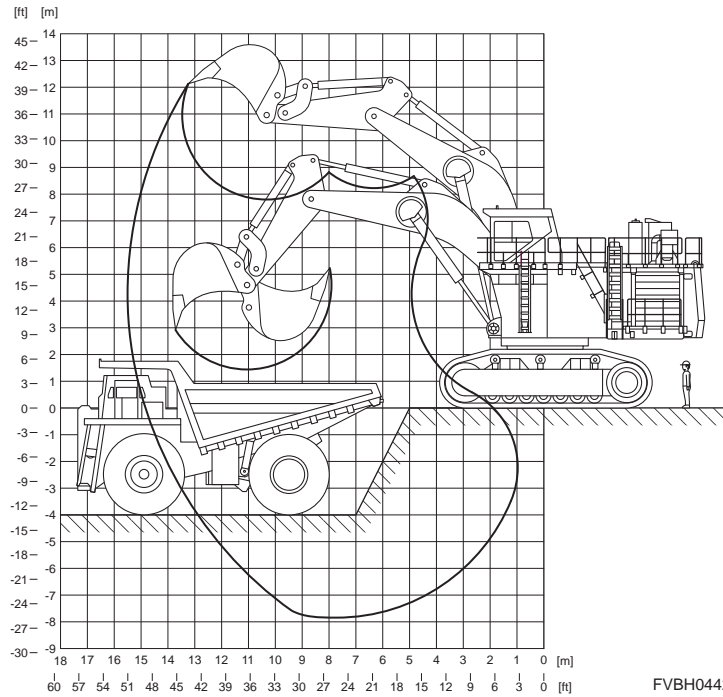
FVBH0475

Working range and load height

Normal rock-loading operations:

Loading machine: PC3000-6

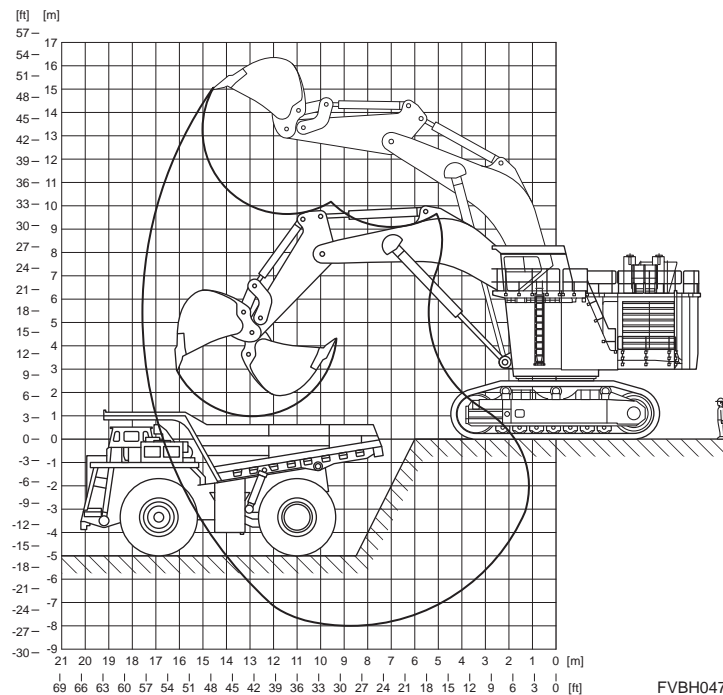
Dump truck: HD1500-7



Normal rock-loading operations:

Loading machine: PC4000-6, PC4000-11

Dump truck: 730E

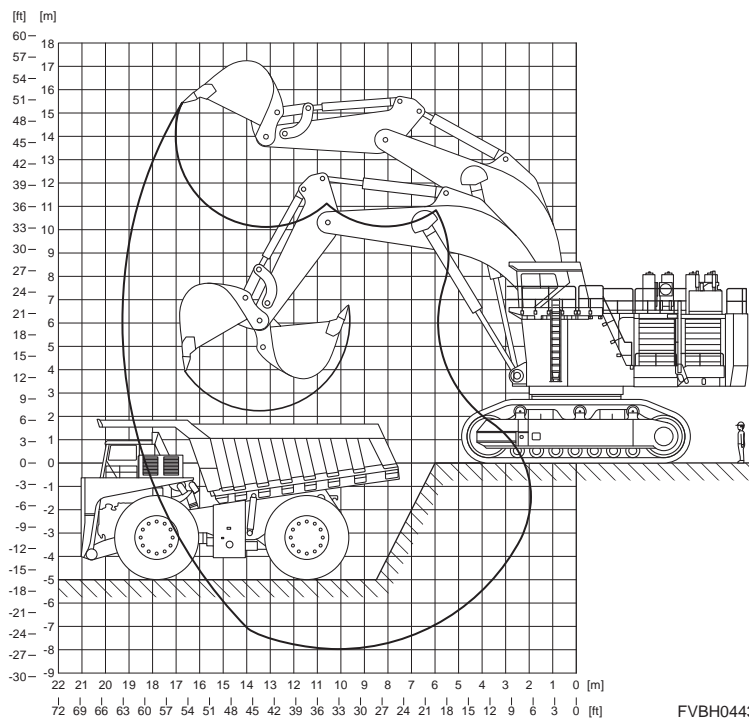


Working range and load height

Normal rock-loading operations:

Loading machine: PC5500-6

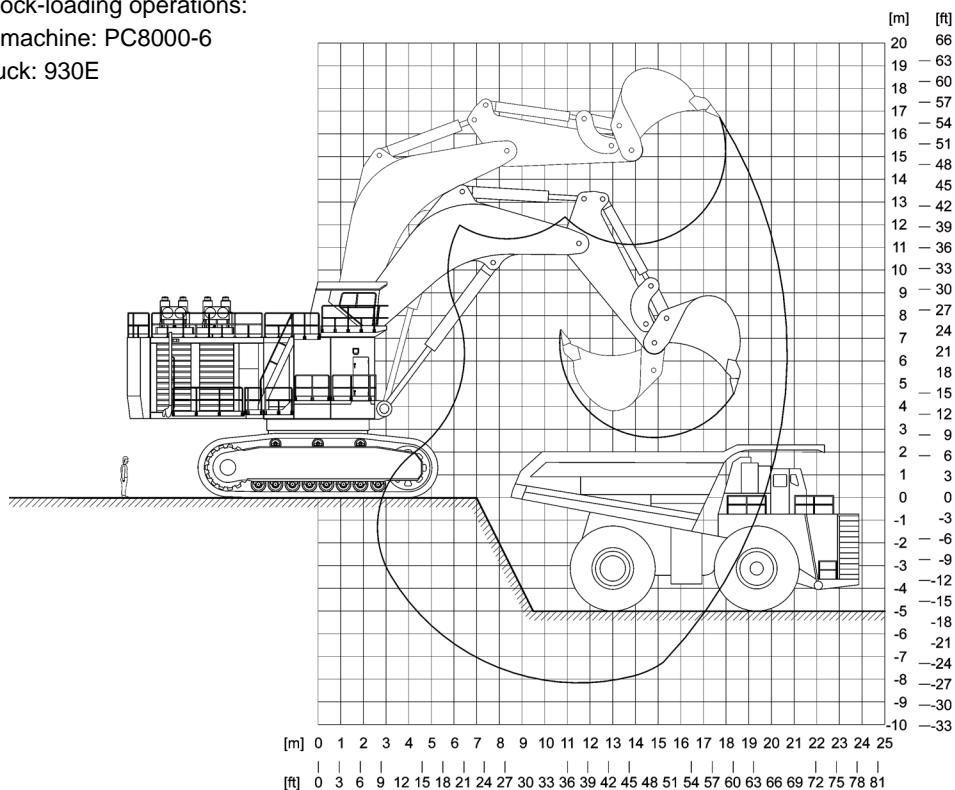
Dump truck: 830E



Normal rock-loading operations:

Loading machine: PC8000-6

Dump truck: 930E

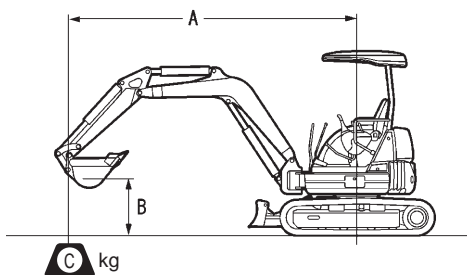


SECTION **3B**

LIFTING CAPACITY

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FVP02090

- A : Reach from swing center
 B : Bucket hook height
 C : Lifting capacity
 Cf : Rating over front
 Cs : Rating over side
 MAX: Rating at maximum reach

PC14R-3 (Italy source)

Conditions: Bucket (SAE): 0.04 m³, Shoes: 230 mm

unit: kg

B	A	MAX		3.0 m		2.5 m		2.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 880 mm Blade on ground									
2.0 m		*220	179			218	200	*225	*225
1.0 m		*221	143			266	192	*353	267
0 m		*231	147			299	182	*424	249
-1.0 m		*227	215					*293	253
Arm length 1130 mm With blade on ground									
2.0 m		*184	151			*178	*178		
1.0 m		*189	123	*201	141	*235	190	*302	268
0 m		*200	125	*218	135	*290	177	*413	243
-1.0 m		*208	170			*226	177	*341	242

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC16R-3 (Italy source)

Conditions: Bucket (SAE): 0.04 m³, Shoes: 230 mm

unit: kg

B	A	MAX		3.0 m		2.5 m		2.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 965 mm Blade on ground									
2.0 m		*279	172			*278	230	*286	*286
1.0 m		*284	142	*303	163	*364	217	*486	299
0 m		*296	146	*324	157	*426	204	*600	278
-1.0 m		*298	196			*331	206	*480	281
Arm length 1215 mm Blade on ground									
2.0 m		*242	145	*235	168	*229	*229		
1.0 m		*247	122	*276	161	*324	216	*417	302
0 m		*259	125	*317	152	*412	200	*584	273
-1.0 m		*266	159			*373	197	*525	271

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC18MR-3 (Japan source)

Conditions: Boom: 1760 mm (5'7"), Bucket (SAE): 0.044 m³ (0.058 cu.yd), Shoes: 230 mm (9") unit: kg (lb)

B	A	MAX		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs
Arm length 965 mm (3'2") Blade on ground with additional counterweight (X-weight)							
3.0 m (10')		*355 (780)	*355 (780)				
2.0 m (7')		*315 (700)	215 (470)	*310 (680)	235 (520)		
1.0 m (3')		*320 (710)	180 (400)	*365 (810)	230 (510)	*650 (1435)	420 (930)
0 m (0')		*335 (740)	185 (410)	*410 (900)	220 (480)	*805 (1780)	395 (870)
-1.0 m (-3')		*340 (750)	245 (540)			*635 (1400)	400 (880)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC18MR-3 (Italy source)Conditions: Boom: 1760 mm, Bucket (SAE): 0.04 m³, Shoes: 230 mm

unit: kg

B	A	MAX		3.0 m		2.5 m		2.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 965 mm Blade on ground									
	3.0 m	*318	188	*314	205	*318	282		
	1.0 m	*324	156	*367	199	*454	265	*653	370
	0 m	*338	160	*412	190	*551	249	*806	344
	-1.0 m	*342	213			*446	251	*635	350
Arm length 1215 mm Blade on ground									
	2.0 m	*280	162	*268	209	*257	*257		
	1.0 m	*287	138	*336	199	*404	267	*548	378
	0 m	*300	141	*404	*188	*535	248	*798	343
	-1.0 m	*310	177	*350	188	*493	245	*704	342

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC20MR-3 (Japan source)Conditions: Boom: 1320 mm (6'1"), Bucket (SAE): 0.066 m³ (0.086 cu.yd), Shoes: 250 mm (10") unit: kg (lb)

B	A	MAX		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs
Arm length 970 mm (3'2") Blade on ground with additional counterweight (X-weight)							
	3.0 m (10')	*515 (1135)	375 (825)				
	2.0 m (7')	*545 (1200)	250 (550)	*525 (1155)	310 (685)		
	1.0 m (3')	*595 (1310)	225 (495)	*685 (1510)	295 (650)	*1310 (2885)	550 (1215)
	0 m (0')	*655 (1445)	240 (530)	*790 (1745)	285 (630)	*1535 (3385)	530 (1170)
	-1.0 m (-3')	*740 (1630)	345 (760)			*1260 (2780)	545 (1200)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC22MR-3 (Italy source)Conditions: Boom: 1320 mm, Bucket (SAE): 0.07 m³, Shoes: 250 mm

unit: kg

B	A	MAX		3.0 m		2.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs
Arm length 970 mm Blade on ground							
	3.0 m	*475	360				
	2.0 m	*445	255	*490	340		
	1.0 m	*480	230	*655	320	*1195	590
	0 m	*605	245	*810	310	*1570	560
	-1.0 m	*755	330			*1395	570
Arm length 1320 mm Blade on ground							
	3.0 m	*350	285	*325	*325		
	2.0 m	*320	215	*365	*340		
	1.0 m	*340	195	*565	320	*885	*610
	0 m	*410	205	*765	305	*1495	*555
	-1.0 m	*625	260	*790	300	*1510	550

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC26MR-3 (Italy source)

Conditions: Boom: 2200 mm, Bucket weight: 50kg, Shoes: 300 mm, cab

unit: kg

B	A	MAX		3.0 m		2.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1115 mm Blade on ground							
	3.0 m	*570	400	*560	520		
	2.0 m	*540	300	*570	490	*640	*640
	1.0 m	*530	270	*740	460	*900	660
	0 m	*600	290	*780	410	*1260	630
	-1.0 m	*620	310	*740	380	*1000	660
Arm length 1370 mm Blade on ground							
	3.0 m	*470	370	*470	*470		
	2.0 m	*490	290	*480	*480		
	1.0 m	*520	260	*580	430	*970	660
	0 m	*540	270	*750	380	*1250	625
	-1.0 m	*600	300	*730	380	*1150	630

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC30MR-5 (Japan source)Conditions: Boom: 2285 mm (7'6"), Bucket (SAE): 0.09 m³ (0.12 cu.yd), Shoes: 300 mm (11.8") unit: kg (lb)

B	A	MAX		4.0 m (13')		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1240 mm (4'1") Blade on ground									
	3.0 m (10')	825 (1820)	285 (630)			755 (1660)	465 (1020)		
	2.0 m (7')	825 (1820)	220 (480)	835 (1840)	260 (570)	1005 (2210)	440 (970)		
	1.0 m (3')	845 (1860)	200 (440)	920 (2020)	240 (530)	1325 (2920)	390 (860)		
	0 m (0')	875 (1930)	205 (450)	930 (2050)	230 (510)	1445 (3180)	360 (790)	2670 (5870)	655 (1440)
	-1.0 m (-3')	885 (1950)	255 (560)			1255 (2760)	355 (780)	2155 (4740)	665 (1460)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC30MR-5 (Italy source)

Conditions: Boom: 2285 mm, Bucket weight: 63kg, Shoes: 300 mm, cab (canopy)

unit: kg

B	A	MAX		4.0 m		3.0 m		2.0 m	
		Cs	Cs	Cs	Cs	Cs	Cs		
Arm length 1240 mm Blade above ground									
	3.0 m	480 (430)				670 (610)			
	2.0 m	370 (330)		400 (360)		650 (590)			
	1.0 m	330 (290)		390 (340)		610 (550)			
	0 m	330 (290)		370 (330)		580 (510)		990 (960)	
	-1.0 m	390 (340)				570 (510)		990 (970)	
Arm length 1610 mm Blade above ground									
	3.0 m	400 (360)		410 (370)					
	2.0 m	320 (280)		410 (360)		670 (610)			
	1.0 m	290 (260)		390 (350)		620 (560)			
	0 m	290 (260)		370 (330)		580 (520)		990 (950)	
	-1.0 m	330 (290)		360 (320)		560 (500)		990 (970)	

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC30MR-3 (Japan source)Conditions: Boom: 2285 mm (7'6"), Bucket (SAE): 0.09 m³ (0.12 cu.yd), Shoes: 300 mm (12") unit: kg (lb)

B	A	MAX		4.0 m (13')		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1240 mm (4'1") Blade on ground with additional counterweight (X-weight)									
3.0 m (10')		*825 (1820)	290 (640)			*795 (1750)	435 (960)		
2.0 m (7')		*825 (1820)	225 (500)	*835 (1840)	250 (550)	*1000 (2200)	420 (930)		
1.0 m (3')		*845 (1860)	210 (460)	*915 (2020)	240 (530)	*1320 (2910)	385 (850)		
0 m (0')		*870 (1920)	220 (480)	*930 (2050)	230 (510)	*1440 (3170)	365 (800)	*2660 (5860)	680 (1500)
-1.0 m (-3')		*880 (1940)	275 (610)			*1250 (2760)	365 (800)	*2140 (4720)	695 (1530)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC35MR-5 (Japan source)Conditions: Boom: 2540 mm (8'4"), Bucket (SAE): 0.09 m³ (0.12 cu.yd), Shoes: 300 mm (11.8") unit: kg (lb)

B	A	MAX		4.0 m (13')		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1720 mm (5'8") Blade on ground									
3.0 m (10')		615 (1350)	340 (750)	595 (1310)	410 (900)				
2.0 m (7')		640 (1410)	285 (630)	680 (1500)	400 (880)	795 (1750)	660 (1450)		
1.0 m (3')		675 (1490)	265 (580)	815 (1790)	380 (840)	1165 (2560)	610 (1340)		
0 m (0')		720 (1580)	265 (580)	910 (2000)	365 (800)	1390 (3060)	575 (1270)	2735 (6020)	1085 (2390)
-1.0 m (-3')		770 (1690)	320 (700)	880 (1940)	360 (790)	1370 (3010)	565 (1240)	2470 (5430)	1090 (2400)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC35MR-5 (Italy source)

Conditions: Boom: 2540 mm, Bucket (SAE): 80kg, Shoes: 300 mm, cab (canopy)

unit: kg

B	A	MAX		4.0 m	3.0 m	2.0 m
		Cs	Cs	Cs	Cs	Cs
Arm length 1370 mm Blade above ground						
3.0 m		530 (450)		530 (450)		
2.0 m		430 (360)		520 (440)	840 (730)	
1.0 m		390 (330)		510 (430)	790 (680)	
0 m		400 (330)		490 (410)	750 (640)	990 (990)
-1.0 m		450 (380)		480 (400)	740 (630)	990 (990)
Arm length 1370 mm with Powertilt Blade above ground						
3.0 m		470		480	710	
2.0 m		390		460	750	
1.0 m		330		430	700	900
0 m		380		420	670	900
-1.0 m		370		390	600	900
Arm length 1720 mm Blade above ground						
3.0 m		450 (380)		530 (450)		
2.0 m		380 (310)		520 (440)	690 (690)	
1.0 m		350 (290)		500 (420)	800 (680)	
0 m		350 (330)		480 (400)	750 (640)	990 (990)
-1.0 m		390 (320)		470 (390)	730 (620)	990 (990)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC35MR-3 (Japan source)Conditions: Boom: 2540 mm (8'4"), Bucket (SAE): 0.11 m³ (0.14 cu.yd), Shoes: 300 mm (12") unit: kg (lb)

B	A	MAX		4.0 m (13')		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1370 mm (4'6") Blade on ground with additional counterweight (X-weight)									
3.0 m (10')		*690 (1520)	385 (850)	*710 (1570)	405 (890)	*705 (1550)	*680 (1500)		
2.0 m (7')		*710 (1570)	315 (690)	*770 (1700)	400 (880)	*960 (2120)	655 (1440)		
1.0 m (3')		*845 (1860)	335 (740)	*880 (1940)	385 (850)	*1290 (2840)	610 (1350)		
0 m (0')		*885 (1950)	345 (760)	*935 (2060)	375 (830)	*1430 (3150)	580 (1280)	*2610 (5750)	1100 (2420)
-1.0 m (-3')		*920 (2030)	415 (910)			*1325 (2920)	580 (1280)	*2245 (4950)	1120 (2470)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC45MR-5 (Japan source)Boom: 2640 mm (8'8"), Bucket (SAE): 0.14 m³ (0.18 cu.yd), Shoes: 400 mm (15.7") unit: kg

B	A	MAX		3.0 m		2.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1695 mm (5'7") Blade on ground							
3.0 m (10')		745 (1640)	465 (1020)				
2.0 m (7')		755 (1660)	425 (940)	1150 (2530)	1100 (2420)		
1.0 m (3')		620 (1360)	405 (890)	1655 (3640)	1010 (2220)		
0 m (0')		960 (2110)	415 (910)	2295 (5050)	950 (2090)	1420 (3120)	1420 (3120)
-1.0 m (-3')		1170 (2570)	475 (1050)	2350 (5170)	930 (2050)	2430 (5350)	1805 (3970)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC45MR-5M0 (Italy source)

Boom: 2640 mm, Bucket weight: 109 kg, Shoes: 400 mm unit: kg

B	A	MAX	4.0 m	3.0 m	2.0 m
		Cs	Cs	Cs	Cs
Arm length 1375 mm Blade above ground					
4.0 m		890			
3.0 m		610	740	990	
2.0 m		510	720	990	
1.0 m		480	680	990	
0 m		480	650	990	
-1.0 m		460	620	960	990
Arm length 1770 mm Blade above ground					
4.0 m		690	750		
3.0 m		520	730		
2.0 m		440	730	990	
1.0 m		410	680	990	
0 m		410	640	990	990
-1.0 m		550	640	980	990

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC55MR-3 (Japan source)Conditions: Boom: 2900 mm (9'6"), Bucket (SAE): 0.16 m³ (0.21 cu.yd), Shoes: 400 mm (16") unit: kg (lb)

B	A	MAX		4.0 m (13')		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1640 mm (5'5") Blade on ground with additional counterweight (X-weight)									
3.0 m (10')		*850 (1870)	500 (1100)	*845 (1860)	750 (1650)				
2.0 m (7')		*885 (1950)	440 (970)	*1050 (2320)	720 (1590)	*1435 (3160)	1140 (2510)		
1.0 m (3')		*930 (2050)	420 (930)	*1285 (2830)	680 (1500)	*2030 (4480)	1045 (2300)		
0 m (0')		*985 (2170)	435 (960)	*1435 (3160)	655 (1440)	*2260 (4980)	1005 (2220)		
-1.0 m (3')		*1050 (2320)	500 (1100)	*1415 (3120)	645 (1420)	*2170 (4780)	1000 (2200)	*2790 (6150)	1960 (4320)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC55MR-5 (Japan source)Conditions: Boom: 2900 mm (9'6"), Bucket (SAE): 0.16 m³ (0.21 cu.yd), Shoes: 400 mm (15.7") unit: kg

B	A	MAX		3.0 m		2.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1640 mm (5'5") Blade on ground							
3.0 m (10')		850 (1870)	520 (1140)				
2.0 m (7')		890 (1960)	455 (1000)	1330 (2930)	1205 (2650)		
1.0 m (3')		945 (2080)	435 (960)	1975 (4350)	1095 (2410)		
0 m (0')		1005 (2210)	445 (980)	2290 (5040)	1040 (2290)	1530 (3370)	1530 (3370)
-1.0 m (-3')		1085 (2390)	500 (1100)	2270 (4990)	1030 (2270)	2750 (6050)	2000 (4400)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC55MR-5M0 (Italy source)Conditions: Boom: 2900 mm, Bucket (SAE): 0.15 m³, Bucket weight; 110 kg, Shoes: 400 mm unit: kg

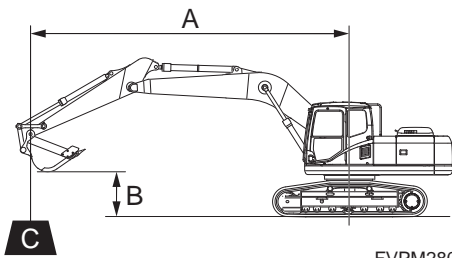
B	A	MAX		4.0 m		3.0 m		2.0 m	
		Cs	Cs	Cs	Cs	Cs	Cs		
Arm length 1640 mm Blade on ground									
	4.0 m	750	770						
	3.0 m	570	780						
	2.0 m	490	810		990				
	1.0 m	460	760		990				
	0 m	460	720		990				
	-1.0 m	510	700		990			990	
Arm length 1640 mm with powertilt Blade on ground									
	4.0 m	500	640						
	3.0 m	460	650						
	2.0 m	380	700		990				
	1.0 m	360	670		960				
	0 m	380	620		920				
	-1.0 m	400	610		920			970	
Arm length 2000 mm Blade on ground									
	4.0 m	620	600						
	3.0 m	490	630						
	2.0 m	430	810		990				
	1.0 m	400	760		990				
	0 m	400	710		990			990	
	-1.0 m	430	680		990			990	

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC55MR-3 (Japan source)Conditions: Boom: 2900 mm (9'6"), Bucket (SAE): 0.16 m³ (0.21 cu.yd), Shoes: 400 mm (16") unit: kg (lb)

B	A	MAX		4.0 m (13')		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1640 mm (5'5") Blade on ground with additional counterweight (X-weight)									
	3.0 m (10')	*850 (1870)	500 (1100)	*845 (1860)	750 (1650)				
	2.0 m (7')	*885 (1950)	440 (970)	*1050 (2320)	720 (1590)	*1435 (3160)	1140 (2510)		
	1.0 m (3')	*930 (2050)	420 (930)	*1285 (2830)	680 (1500)	*2030 (4480)	1045 (2300)		
	0 m (0')	*985 (2170)	435 (960)	*1435 (3160)	655 (1440)	*2260 (4980)	1005 (2220)		
	-1.0 m (3')	*1050 (2320)	500 (1100)	*1415 (3120)	645 (1420)	*2170 (4780)	1000 (2200)	*2790 (6150)	1960 (4320)

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



FVPM2801

- A : Reach from swing center
- B : Bucket hook height
- C : Lifting capacity
- Cf : Rating over front
- Cs : Rating over side
- MAX: Rating at maximum reach

PC70-8 (Japan source)

Conditions: Boom: 3710 mm (12'2"), Bucket (SAE): 0.30 m³ (0.39 cu.yd), Shoes: 450 mm (18") unit: kg (lb)

B	A	MAX		5.0 m (16')		4.0 m (13')		3.0 m (10')		2.0 m (7')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm (5'5") Without blade											
4.0 m (13')		1380 (3040)	1010 (2230)			*1400 (3090)	1320 (2910)	*1540 (3400)	*1540 (3400)		
3.0 m (10')		1140 (2510)	830 (1830)	1150 (2540)	830 (1830)	*1230 (2710)	*1230 (2710)	*1910 (4210)	*1910 (4210)	*2770 (6110)	*2770 (6110)
2.0 m (7')		1040 (2290)	750 (1650)	1140 (2510)	820 (1810)	1690 (3730)	1230 (2710)	*2390 (5270)	1980 (4370)		
1.0 m (3')		1010 (2230)	720 (1590)	1110 (2430)	800 (1760)	1620 (3570)	1170 (2580)	2600 (5732)	1850 (4080)		
0 m (0')		1050 (2320)	750 (1650)	1090 (2400)	780 (1720)	1580 (3480)	1130 (2490)	2520 (5560)	1780 (3920)		
-1.0 m (-3')		1190 (2620)	850 (1870)			1560 (3440)	1120 (2470)	2510 (5530)	1760 (3880)	*3740 (8250)	3540 (7800)
-2.0 m (-7')		1530 (3370)	1100 (2430)			*1510 (3330)	1130 (2490)	*2240 (4940)	1790 (3950)	*3110 (6860)	*3110 (6860)
Arm length 1650 mm (5'5") Blade on ground											
4.0 m (13')		*1390 (3060)	990 (2180)			*1400 (3090)	1300 (2870)	*1540 (3400)	*1540 (3400)		
3.0 m (10')		*1380 (3040)	810 (1790)	*1380 (3040)	820 (1810)	*1230 (2710)	*1230 (2710)	*1910 (4210)	*1910 (4210)	*2770 (6110)	*2770 (6110)
2.0 m (7')		*1390 (3060)	730 (1610)	*1440 (3180)	800 (1760)	*1760 (3880)	1210 (2670)	*2390 (5270)	1950 (4300)		
1.0 m (3')		*1410 (3110)	700 (1540)	*1510 (3330)	780 (1720)	*1940 (4280)	1150 (2540)	*2730 (6020)	1810 (3990)		
0 m (0')		*1440 (3180)	730 (1610)	*1500 (3310)	760 (1680)	*2010 (4430)	1110 (2450)	*2810 (6200)	1750 (3860)		
-1.0 m (-3')		*1460 (3220)	830 (1830)			*1910 (4210)	1090 (2400)	*2660 (5860)	1730 (3810)	*3740 (8250)	*3740 (8250)
-2.0 m (-7')		*1440 (3180)	1080 (2380)			*1510 (3330)	1110 (2450)	*2240 (4940)	1760 (3880)	*3110 (6860)	*3110 (6860)
Arm length 1650 mm (5'5") Blade above ground											
4.0 m (13')		*1390 (3060)	990 (2180)			*1400 (3090)	1300 (2870)	*1540 (3400)	*1540 (3400)		
3.0 m (10')		1150 (2530)	810 (1790)	1150 (2530)	820 (1810)	*1230 (2710)	*1230 (2710)	*1910 (4210)	*1910 (4210)	*2770 (6110)	*2770 (6110)
2.0 m (7')		1040 (2290)	730 (1610)	1140 (2510)	800 (1760)	1690 (3720)	1210 (2670)	*2390 (5270)	1950 (4300)		
1.0 m (3')		1010 (2220)	700 (1540)	1120 (2470)	780 (1720)	1630 (3590)	1150 (2540)	2610 (5750)	1810 (3990)		
0 m (0')		1050 (2310)	730 (1610)	1100 (2420)	760 (1680)	1580 (3480)	1110 (2450)	2540 (5600)	1750 (3860)		
-1.0 m (-3')		1200 (2640)	830 (1830)			1570 (3460)	1090 (2400)	2520 (5550)	1730 (3810)	*3740 (8250)	*3740 (8250)
-2.0 m (-7')		*1440 (3180)	1080 (2380)			*1510 (3330)	1110 (2450)	*2240 (4940)	1760 (3880)	*3110 (6860)	*3110 (6860)

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC78US-10 (Japan source)Boom: 3710 mm (12'2"), Bucket: 0.2m³ (0.26 cu.yd), Shoes: 450 mm (18") Rord liner

unit: kg (lb)

B	A	MAX		4.5 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm (7'5") Blade above ground									
5.0 m (16')		*1410 (3110)	1310 (2890)	*1470 (3240)	1430 (3150)				
3.0 m (9')		1070 (2360)	880 (1940)	*1560 (3440)	1390 (3060)	*1860 (4100)	*1860 (4100)		
0.0 m (0')		970 (2140)	790 (1740)	1490 (3280)	1220 (2690)	2890 (6370)	2290 (5050)		
-2.0 m (-7')		1230 (2710)	1000 (2200)	1450 (3200)	1180 (2600)	2220 (4890)	2410 (5310)	*4220 (9300)	*4220 (9300)
Arm length 2250 mm (7'5") Blade on ground									
5.0 m (16')		*1410 (3110)	1310 (2890)	*1470 (3240)	1430 (3150)				
3.0 m (9')		*1340 (2950)	880 (1940)	*1560 (3440)	1390 (3060)	*1860 (4100)	*1860 (4100)		
0.0 m (0')		*1490 (3280)	790 (1740)	*2060 (4540)	1220 (2690)	*3280 (7230)	2290 (5050)		
-2.0 m (-7')		*1510 (3330)	1000 (2200)	*1850 (4080)	1180 (2600)	*2970 (6550)	2220 (4890)	*4220 (9300)	*4220 (9300)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC78UU-8 (Japan source)Conditions: Boom: 3750 mm (12'4"), Bucket: 0.28 m³ (0.37 cu.yd), Shoes: 450 mm (18")

unit: kg (lb)

B	A	MAX		4.5 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1720 mm (5'8") Blade above ground									
5.0 m (16')		*1610 (3550)	1590 (2890)			*2440 (5380)	*2440 (5380)		
3.0 m (9')		1090 (2400)	880 (1940)	1450 (3200)	1180 (2610)	*3020 (6660)	2470 (5450)	*5220 (11520)	*5220 (11520)
0.0 m (0')		900 (2000)	710 (1570)	1190 (2630)	940 (2070)	2320 (5120)	1780 (3920)		
-2.0 m (-7')		1240 (2750)	970 (2150)	1180 (2600)	930 (2050)	2310 (5110)	1770 (3910)	*4220 (9300)	*4220 (9300)
Arm length 1720 mm (5'8") Blade on ground									
5.0 m (16')		*1610 (3550)	1590 (2890)			*2440 (5380)	*2440 (5380)		
3.0 m (9')		*1580 (3490)	880 (1940)	*2270 (5020)	1180 (2610)	*3020 (6660)	2470 (5450)	*5220 (11520)	*5220 (11520)
0.0 m (0')		*2090 (4610)	710 (1570)	*2570 (5680)	940 (2070)	*4040 (8900)	1780 (3920)		
-2.0 m (-7')		*1970 (4360)	970 (2150)	*1780 (3930)	930 (2050)	*3090 (6820)	1770 (3910)	*4220 (9300)	*4220 (9300)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC78US-8 (Japan source)

Conditions: Boom: 3710 mm (12'2"), Bucket (SAE): Shoes: 450 mm (18")

unit: kg (lb)

B	A	MAX		4.5 m (14')		3.0 m (9')		1.5 m (4')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm (5'5") Bucket (SAE): 0.28m ³ (0.37 cu.yd) Blade less									
5.0 m (16')		*1780 (3920)	1430 (3150)			*1790 (3960)	*1790 (3960)		
3.0 m (9')		1160 (2550)	860 (1910)	1500 (3320)	1130 (2500)	*2300 (5070)	2280 (5030)		
0.0 m (0')		1050 (2310)	760 (1690)	1370 (3020)	1000 (2220)	2650 (5850)	1900 (4200)		
-2.0 m (-6')		1440 (3170)	1050 (2330)	1360 (3010)	1000 (2210)	*2360 (5810)	1890 (4180)	*4060 (8960)	*4060 (8960)
Arm length 2250 mm (7'5") Bucket (SAE): 0.2m ³ (0.26 cu.yd) Blade less									
5.0 m (16')		*1420 (3140)	1090 (2420)	*1490 (3290)	1200 (2650)				
3.0 m (9')		980 (2160)	720 (1600)	1540 (3400)	1170 (2580)	*1870 (4130)	*1870 (4130)		
0.0 m (0')		880 (1950)	640 (1410)	1370 (3020)	1000 (2220)	2660 (5880)	1920 (4230)		
-2.0 m (-6')		1120 (2490)	820 (1810)	1330 (2930)	960 (2130)	2590 (5710)	1850 (4070)	*4230 (9330)	*4230 (9330)
Arm length 1650 mm (5'5") Bucket (SAE): 0.28m ³ (0.37 cu.yd) Blade on ground									
5.0 m (16')		*1780 (3920)	1500 (3310)			*1790 (3960)	*1790 (3960)		
3.0 m (9')		*1670 (3680)	910 (2020)	*1780 (3930)	1190 (2640)	*2300 (5070)	*2300 (5070)		
0.0 m (0')		*1710 (3770)	810 (1800)	*2120 (4680)	1060 (2350)	*3360 (7410)	2010 (4430)		
-2.0 m (-6')		*1650 (3650)	1120 (2460)	1510 (3330)	1060 (2340)	*2710 (5980)	2000 (4410)	*4060 (8960)	*4060 (8960)
Arm length 2250 mm (7'5") Bucket (SAE): 0.2m ³ (0.26 cu.yd) Blade on ground									
5.0 m (16')		*1420 (3140)	1150 (2540)	*1490 (3290)	1260 (2780)				
3.0 m (9')		*1350 (2990)	770 (1700)	*1570 (3470)	1230 (2710)	*1870 (4130)	*1870 (4130)		
0.0 m (0')		*1520 (3360)	680 (1510)	*2090 (4600)	1060 (2350)	*3320 (7330)	2020 (4460)		
-2.0 m (-6')		*1540 (3400)	870 (1920)	*1880 (4140)	1020 (2260)	*3010 (6640)	1950 (4300)	*4230 (9330)	*4230 (9330)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC71-7 (India source)Conditions: Boom: 3710 mm, Bucket (SAE): 0.30 m³, Shoes: 450 mm

unit: kg

B	A	MAX		5.5 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm Without blade											
6.0 m		*1550	*1550								
4.5 m		*1350	1300					*1300	*1300		
3.0 m		1050	900			1400	1200	*1800	*1800	*3150	*3150
1.5 m		950	800			1350	1150	*2500	2200		
0 m		950	800			1250	1050	2400	2000		
-1.5 m		1200	1000			1250	1050	2400	1950	*4500	*4500
-3.0 m		*1400	*1400					*1600	1600		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC80MR-5 (Italy source)

Conditions: One-piece boom: 3200 mm, Bucket weight: 151kg, Shoes: 450 mm

unit: kg

B	A	MAX		5.0 m		4.0 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm Blade above ground									
4.5 m		1360	1070						
3.0 m		1010	780	1270	990	*1533	1470		
1.5 m		910	690	1200	930	1710	1330	2700	2080
0 m		940	710	1150	880	1610	1240	2550	1930
-1.5 m		1170	890			1600	1020	2550	1940
-3.0 m		*1970	*1970					*1980	*1980
Arm length 2000 mm Blade above ground									
4.5 m		1170	920	1139	1030				
3.0 m		900	620	1280	1000				
1.5 m		820	620	1210	930	1730	1350	2770	2140
0 m		840	568	1140	812	1610	1230	2275	1728
-1.5 m		1000	685	1110	794	1570	1200	2248	1701
-3.0 m		1770	1226					2328	1773

Conditions: Two-piece boom: 4030 mm, Bucket weight: 151kg, Shoes: 450 mm

unit: kg

B	A	MAX		5.0 m		4.0 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm Blade above ground									
4.5 m		818	608	1103	896	*1103	1354		
3.0 m		630	473	983	795	1504	1223	2860	2210
1.5 m		555	375	885	656	1260	1005		
0 m		584	406	860	651	1279	950	*1960	1660
-1.5 m		701	496	860	651	1288	950	2320	1700
-3.0 m						459	*461		
Arm length 2000 mm Blade above ground									
4.5 m		630	465	*1550	980	*1720	1510		
3.0 m		490	341	*1710	920	*2100	1380	*2250	*2250
1.5 m		430	296	*1930	810	*2640	1170		
0 m		440	322	*1847	730	*2185	1040	*1990	1630
-1.5 m		530	380	*1519	720	*1766	1020	*2950	1660
-3.0 m		*520	270			*806	*1000	*1240	*1240

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC88MR-8 (Japan source)Conditions: Boom: 3405 mm (11'2"), Bucket: 0.2 m³ (0.26 cu.yd), Shoe: 450 mm (18") Road liner unit: kg (lb)

B	A	MAX		4.5 m (14')		3.0 m (9')		1.5 m (4')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm (6'11") Blade on ground									
5.0 m (16')		*1310 (2890)	1150 (2540)						
3.0 m (10')		*1430 (3150)	780 (1720)	*1420 (3130)	*1420 (3130)	1200 (2650)			
0.0 m (0')		*1940 (4280)	710 (1570)	*2860 (6310)	1200 (2650)	*3980 (8770)	2220 (4890)		
-2.0 m (-7')		*2460 (5420)	950 (2090)	*3060 (6750)	1170 (2580)	*5440 (11990)	2200 (4850)	*4230 (9330)	*4230 (9330)
Arm length 1650 mm (5'5") Blade on ground									
5.0 m (16')		*1510 (3330)	1370 (3020)						
3.0 m (10')		*1640 (3620)	890 (1960)	*1750 (3860)	1410 (3110)				
0.0 m (0')		*2200 (4850)	820 (1810)	*3040 (6700)	1230 (2710)	*3520 (7760)	2260 (4980)		
-2.0 m (-7')		*2750 (6060)	1160 (2560)	*2950 (6500)	1220 (2690)	*5190 (11440)	2290 (5050)	*5370 (11840)	*5370 (11840)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC88MR-10 (Italy source)

Conditions: One-piece boom: 3200 mm, Bucket weight: 151kg, Shoes: 450 mm

unit: kg

B	A	MAX		5.0 m		4.0 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm Blade above ground									
4.5 m		1200	900	1210	990				
3.0 m		940	760	1190	970	*1420	1400		
1.5 m		850	680	1130	910	1580	1280	3070	2410
0 m		870	690	1070	860	1470	1180	2800	2170
-1.5 m		1040	830	1050	840	1430	1140	2770	2140
-4.5 m		1730	1380					2850	2220
Arm length 1900 mm Blade above ground									
4.5 m		1310	1070			*1360	*1360		
3.0 m		980	790	1160	940	1640	1340		
1.5 m		880	700	1110	890	1540	1240		
0 m		910	720	1060	850	1460	1160	2800	2170
-1.5 m		1140	910			1440	1140	2810	2180
-4.5 m		2410	1890					2920	2270
Arm length 1650 mm Blade above ground									
4.5 m		1390	1150			*1400	*1400		
3.0 m		1060	870	1190	970	1680	1380		
1.5 m		960	780	1140	920	1580	1280		
0 m		990	800	1090	880	1500	1200	2850	2220
-1.5 m		1220	990			1480	1180	2860	2230
-4.5 m		2490	1970					2970	2320

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC88MR-8 (Japan source)

Conditions: Boom: 3405 mm (11'2"), Shoes: 450 mm (18")

unit: kg (lb)

B	A	MAX		4.5 m (14')		3.0 m (9')		1.5 m (4')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm (5'5") Bucket (SAE): 0.28 m ³ (0.37 cu.yd) With blade on ground									
5.0 m (16')		*1520 (3360)	1250 (2750)						
3.0 m (9')		*1650 (3630)	790 (1760)	*1760 (3890)	1280 (2820)				
0 m (0')		*2210 (4890)	730 (1610)	*3060 (6740)	1100 (2440)	*3520 (7760)	2040 (4510)		
-2.0 m (6')		*2770 (6110)	1040 (2290)	*2960 (6530)	1100 (2420)	*5210 (11490)	2070 (4570)	*6110 (13480)	*4930 (10870)
Arm length 1650 mm (5'5") Bucket (SAE): 0.28 m ³ (0.37 cu.yd) With blade on ground and additional counterweight									
5.0 m (16')		*1520 (3360)	1340 (2970)						
3.0 m (9')		*1640 (3630)	870 (1920)	*1760 (3880)	1380 (3050)				
0 m (0')		*2210 (4880)	800 (1770)	*3060 (6740)	1210 (2670)	*3520 (7760)	2220 (4900)		
-2.0 m (6')		*2770 (6100)	1130 (2510)	*2960 (6530)	1200 (2650)	*5210 (11490)	2250 (4960)	*6110 (13480)	*4930 (10870)
Arm length 2100 mm (6'11") Bucket (SAE): 0.20 m ³ (0.26 cu.yd) With blade on ground									
5.0 m (16')		*1310 (2890)	1040 (2300)						
3.0 m (9')		*1430 (3170)	690 (1530)	*1430 (3160)	1290 (2850)				
0 m (0')		*1940 (4280)	620 (1380)	*2860 (6300)	1070 (2370)	*3980 (8770)	1990 (4400)		
-2.0 m (6')		*2460 (5430)	840 (1850)	*3060 (6750)	1040 (2290)	*5440 (12000)	1980 (4370)	*4870 (10730)	*3950 (8720)
Arm length 2100 mm (6'11") Bucket (SAE): 0.20 m ³ (0.26 cu.yd) With blade on ground and additional counterweight									
5.0 m (16')		*1310 (2890)	1130 (2490)						
3.0 m (9')		*1430 (3170)	760 (1680)	*1430 (3160)	1390 (3080)				
0 m (0')		*1940 (4280)	690 (1530)	*2860 (6300)	1180 (2600)	*3980 (8770)	2170 (4790)		
-2.0 m (6')		*2460 (5430)	920 (2040)	*3060 (6750)	1140 (2520)	*5440 (12000)	2160 (4760)	*4870 (10730)	*3950 (8720)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC88MR-8 (Italy source)Conditions: One-piece boom: 3405 mm, Bucket (SAE): 0.28 m³, Shoes: 450 mm

unit: kg

B	A	MAX		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm With blade on ground									
5.0 m		*1520	1250						
3.0 m		*1650	790	*1760	1280				
0.0 m		*2210	730	*3060	1100	*3520	2040		
-2.0 m		*2770	1040	*2960	1100	*5210	2070	*6110	*4930
Arm length 1650 mm With blade on ground and additional counterweight									
5.0 m		*1520	1340						
3.0 m		*1640	870	*1760	1380				
0.0 m		*2210	800	*3060	1100	*3520	2220		
-2.0 m		*2770	1130	*2960	1100	*5210	2250	*6110	*4930
Arm length 2100 mm With blade on ground									
5.0 m		*1310	1040						
3.0 m		*1430	690	*1430	1290				
0.0 m		*1940	620	*2860	1070	*3980	1990		
-2.0 m		*2460	840	*3060	1040	*5440	1980	*4870	*3950
Arm length 2100 mm With blade on ground and additional counterweight									
5.0 m		*1310	1130						
3.0 m		*1430	760	*1430	1390				
0.0 m		*1940	690	*2860	1180	*3980	2170		
-2.0 m		*2460	920	*3060	1140	*5440	2160	*4870	*3950
Arm length 1650 mm With blade above ground									
5.0 m		1520	1250						
3.0 m		980	790	1560	1280				
0.0 m		910	730	1380	1100	2630	2040		
-2.0 m		1300	1040	1370	1100	*2660	2070	*4930	*4930
Arm length 1650 mm With blade on ground and additional counterweight									
5.0 m		*1520	1340						
3.0 m		1060	870	1680	1380				
0.0 m		990	800	1500	1210	2850	2220		
-2.0 m		1410	1130	1490	1200	2880	2250	*4930	*4930
Arm length 2100 mm With blade above ground									
5.0 m		1270	1040						
3.0 m		860	690	*1430	1290				
0.0 m		790	620	1350	1070	2580	1990		
-2.0 m		1060	840	1310	1040	2570	1980	*3950	*3950
Arm length 2100 mm With blade above ground and additional counterweight									
5.0 m		*1310	1130						
3.0 m		940	760	*1430	1390				
0.0 m		870	690	1470	1180	2800	2170		
-2.0 m		1160	930	1430	1140	2780	2160	*3950	*3950

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC88MR-8 (Italy source)Conditions: Two-piece boom: 3405 mm, Bucket (SAE): 0.28 m³, Shoes: 450 mm

unit: kg

B	A	MAX		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm With blade on ground									
	5.0 m	*1840	760						
	3.0 m	*1650	520	*2170	1130				
	0.0 m	*1670	500	*2980	920				
	-2.0 m	*1500	700	*2510	950	*3890	1860		
Arm length 1650 mm With blade on ground and additional counterweight									
	5.0 m	*1840	840						
	3.0 m	*1650	590	*2170	1240				
	0.0 m	*1670	570	*2980	1030				
	-2.0 m	*1500	780	*2510	1050	*3890	2040		
Arm length 1900 mm With blade on ground									
	5.0 m	*1730	690						
	3.0 m	*1520	490	*2050	1150				
	0.0 m	*1610	460	*2960	920				
	-2.0 m	*1480	640	*2620	920	*4110	1810		
Arm length 1900 mm With blade on ground and additional counterweight									
	5.0 m	*1730	770						
	3.0 m	*1520	550	*2050	125				
	0.0 m	*1610	530	*2960	1020				
	-2.0 m	*1480	710	*2620	1030	*4110	1990		
Arm length 1650 mm With blade above ground									
	5.0 m	960	760						
	3.0 m	680	520	1430	1130				
	0.0 m	660	500	1200	920				
	-2.0 m	900	700	1230	950	2460	1860		
Arm length 1650 mm With blade on ground and additional counterweight									
	5.0 m	1050	840						
	3.0 m	750	590	1540	1240				
	0.0 m	730	570	1320	1030				
	-2.0 m	990	780	1350	1050	2670	2040		
Arm length 1900 mm With blade above ground									
	5.0 m	880	690						
	3.0 m	640	490	1440	1150				
	0.0 m	620	460	1200	920				
	-2.0 m	820	640	1200	920	2410	1810		
Arm length 1900 mm With blade above ground and additional counterweight									
	5.0 m	970	770						
	3.0 m	710	550	1560	1250				
	0.0 m	690	530	1310	1020				
	-2.0 m	910	710	1320	1030	2620	1990		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC118MR-8 (Italy source)Conditions: One-piece boom, Bucket (SAE): 0.38 m³, Shoes: 500 mm

unit: kg

B	A	MAX		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1850 mm											
4.5 m		*1730	1460								
3.0 m		1420	1190	1580	1320	*2060	*2060				
1.5 m		1330	1110	1520	1260	2430	1960				
0 m		1390	1160	1470	1220	2320	1860	*3300	3300		
-1.5 m		1700	1400			2300	1850	4540	3320	*6090	*6090
Arm length 1850 mm With additional counterweight: 388 kg											
4.5 m		*1730	1590								
3.0 m		1570	1310	1740	1440	*2060	*2060				
1.5 m		1470	1220	1680	1390	2660	2130				
0 m		1540	1270	1640	1350	2550	2030	*3300	3300		
-1.5 m		1880	1540			2530	2020	4970	3600	*6090	*6090
Arm length 2000 mm											
4.5 m		*1590	1380	*1560	1340						
3.0 m		1360	1140	1580	1320	*1910	*1910				
1.5 m		1270	1060	1510	1260	2430	1960				
0 m		1320	1100	1460	1210	2310	1850	*3380	3270		
-1.5 m		1600	1320			2280	1830	4500	3290	*5480	*5480
Arm length 2000 mm With additional counterweight: 388 kg											
4.5 m		*1590	1500	*1560	1460						
3.0 m		1500	1250	1740	1440	*1910	*1910				
1.5 m		1410	1170	1670	1380	2660	2130				
0 m		1470	1210	1620	1330	2540	2020	*3380	*3380		
-1.5 m		1780	1450			2510	2000	4930	3570	*5480	*5480
Arm length 2300 mm											
4.5 m		*1360	1260	*1390	1350					*1630	*1630
3.0 m		1250	1050	1580	1320	*1620	*1620				
1.5 m		1170	980	1510	1250	2440	1960				
0 m		1220	1010	1450	1200	2300	1840	*3560	3250		
-1.5 m		1440	1190	1440	1190	2250	1790	4440	3230	*3370	*3370
Arm length 2300 mm With additional counterweight: 388 kg											
4.5 m		*1360	*1360	*1390	*1390					*1630	*1630
3.0 m		*1370	1160	*1600	1440	*1620	*1620				
1.5 m		1310	1080	1670	1370	2650	2130				
0 m		1360	1120	1610	1320	2530	2010	*3560	3530		
-1.5 m		1600	1310	1600	1310	2480	1960	4880	3520	*3770	*3770

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC130-8 (Japan source)Conditions: Boom: 4600 mm (15'1"), Bucket (SAE): 0.50 m³ (0.65 cu.yd), Shoes: 500 mm (20") unit: kg (lb)

B	A	MAX		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2500 mm (8'2")											
6.1 m (20')		*1950 (4300)	*1950 (4300)								
4.6 m (15')		*1800 (4000)	1650 (3600)	2850 (6200)	1950 (4300)	*3100 (6900)	*3100 (6900)				
3.0 m (10')		*1800 (4000)	1400 (3100)	2750 (6100)	1900 (4200)	*3900 (8600)	3100 (6900)	*5000 (11100)	*5000 (11100)		
1.5 m (5')		1950 (4300)	1300 (2800)	2700 (5900)	1800 (4000)	4300 (9500)	2900 (6400)	*7700 (17000)	5500 (12100)		
0 m (0')		1950 (4400)	1300 (2900)	2600 (5700)	1700 (3800)	4100 (9100)	2700 (6000)	8350 (18400)	5100 (11200)		
-1.5 m (-5')		2200 (4800)	1450 (3200)	2550 (5600)	1700 (3700)	3900 (8600)	2500 (5600)	8200 (18100)	5000 (11000)	*4750 (10400)	*4750 (10400)
-3.0 m (-10')		2800 (6200)	1850 (4100)			4050 (8900)	2650 (5800)	*7850 (17400)	5050 (11100)	*8000 (17700)	*8000 (17700)
Arm length 3000 mm (9'10")											
6.1 m (20')		*1500 (3400)	*1500 (3400)	*1850 (4100)	*1850 (4100)						
4.6 m (15')		*1400 (3100)	1400 (3100)	*2700 (6000)	1950 (4300)						
3.0 m (10')		*1400 (3100)	1200 (2600)	2750 (6100)	1900 (4200)	*3400 (7400)	3150 (6900)				
1.5 m (5')		*1500 (3300)	1100 (2400)	2650 (5900)	1800 (3900)	4350 (9600)	2900 (6400)	*6650 (14700)	5500 (12100)		
0 m (0')		1700 (3800)	1100 (2400)	2550 (5600)	1700 (3700)	4100 (9000)	2700 (5900)	8350 (18400)	5050 (11200)		
-1.5 m (-5')		1900 (4100)	1200 (2700)	2500 (5500)	1600 (3600)	3850 (8500)	2450 (5400)	8100 (17800)	4850 (10700)	*4150 (9100)	*4150 (9100)
-3.0 m (-10')		2300 (5100)	1500 (3300)	2500 (5500)	1600 (3600)	3900 (8600)	2550 (5600)	8100 (17900)	4850 (10700)	*6750 (14900)	*6750 (14900)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC130-8 (Brazil source)Conditions: Boom: 4600 mm, Bucket(SAE): 0.60 m³ Shoes: 700 mm

unit: kg

B	A	MAX		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2500 mm											
6.0 m		*1950	*1950								
4.5 m		*1800	1700	3000	2250	*3150	*3150				
3.0 m		*1850	1550	2950	2200	*3950	3550	*5200	*5200		
1.5 m		*1950	1450	2850	2100	4550	3300	*7900	6150		
0 m		2050	1450	2750	2000	4250	3000	*8050	5700		
-1.5 m		2250	1600	2700	1950	4250	3000	8700	5600	*4700	*4700
-3.0 m		2850	2050			4250	2950	*8050	5700	*7850	*7850

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC130-7 (India source)Conditions: Boom: 4600 mm, Bucket(SAE): 0.64 m³ Shoes: 500 mm

unit: kg

B	A	MAX		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm											
6.0 m		*2600	2350			*3150	3050				
4.5 m		*2400	1650	2600	1750	*3300	3000				
3.0 m		2050	1350	2600	1700	*4000	2850	*5600	*5600		
1.5 m		1900	1200	2500	1600	4000	2600	*6300	4850		
0 m		1950	1250	2400	1500	3800	2400	*5800	4500		
-1.5 m		2200	1400	2350	1500	3700	2350	*5850	4450	*5450	*5450
-3.0 m		2900	1850			3750	2350	*6400	4550	*5800	*5800

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC138US-11 (Italy source)Conditions: One-piece boom: 4600 mm, Bucket (SAE): 0.50 m³ (Weight 400 kg), Shoes: 500 mm unit :kg

B	A	MAX		7.0 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3000 mm													
6.0 m		*1340	*1340			*1870	*1870	*2670	*2670				
4.5 m		*1250	*1250	*1600	1430	*2680	1950	*2840	*2840				
3.0 m		*1250	1170	2250	1400	2950	1870	*3760	3090	*3740	*3740		
1.5 m		*1330	1090	2180	1340	2830	1760	4580	2840	*7560	5440		
0.0 m		*1500	1100	2120	1280	2720	1660	4330	2620	*6480	4930		
-1.5 m		*1810	1200	2080	1250	2650	1600	4200	2500	*6220	4760	*3840	*3840
-3.0 m		2460	1490			2660	1600	4180	2490	*6480	4780	*5760	*5760
-4.5 m		*2920	2290					*3500	2590	*5500	4950		
Arm length 2500 mm													
6.0 m		*1650	*1650					*3100	*3100				
4.5 m		*1540	*1540			*2850	1920	*3570	3210				
3.0 m		*1550	1340	*1970	1390	2930	1860	*4360	3040	*5880	*5880		
1.5 m		*1660	1250	2180	1340	2830	1770	4540	2820	*7430	5310		
0.0 m		*1910	1260	2140	1300	2740	1680	4340	2640	*6090	4940		
-1.5 m		2310	1410			2700	1640	4250	2560	*6070	4860	*4370	*4370
-3.0 m		2940	1800					4270	2570	*6540	4920	*5750	*5750

Conditions: Two-piece boom: Bucket (SAE): 0.5m³ (weight 400 kg), Shoes: 500 mm unit :kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2500 mm													
7.5 m		*2500	*2500										
6.0 m		*2050	*2050					*3100	*3100				
4.5 m		*1900	1550			2750	2050	*3350	*3350				
3.0 m		1800	1300			2700	1950	*4100	3250	*5850	*5850		
1.5 m		1700	1200	1700	1200	2550	1850	4200	3000				
0 m		1700	1200	1700	1200	2450	1750	4000	2800				
-1.5 m		1900	1350			2400	1700	3900	2700	*7500	4600		
-3.0 m		2400	1700			2450	1700	3900	2700	*7450	5300		

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC138US-8 (Japan source)Conditions: Boom: 4600 mm (15'1"), Bucket (SAE) 0.50 m³ (0.65 cu.yd), Shoes: 500 mm (20") unit: kg (lb)

B	A	MAX		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm (6'11")									
6.1 m (20')		*2100 (4650)	*2100 (4650)			*3240 (7150)	3120 (6890)		
3.0 m (10')		*1950 (4310)	1510 (3340)	2850 (6290)	1810 (4000)	*4630 (10220)	2940 (6500)	*6480 (14300)	5720 (12620)
0.0 m (0')		2310 (5090)	1420 (3140)	2700 (5950)	1670 (3680)	4240 (9360)	2590 (5710)	*5570 (12280)	4800 (10590)
-3.0 m (-10')		3500 (7710)	2160 (4770)			4230 (9340)	2580 (5700)	*6270 (13830)	4880 (10770)
Arm length 2500 mm (8'2")									
6.1 m (20')		*1690 (3730)	*1690 (3730)			*3060 (6750)	*3060 (6750)		
3.0 m (10')		*1580 (3490)	1370 (3040)	2880 (6350)	1830 (4040)	*4320 (9530)	2990 (6600)	*5770 (12720)	*5770 (12720)
0.0 m (0')		*1940 (4280)	1290 (2850)	2690 (5950)	1660 (3680)	4260 (9390)	2600 (5730)	*5630 (12420)	4840 (10670)
-3.0 m (-10')		3000 (6630)	1850 (4090)			4180 (9230)	2540 (5600)	*6040 (13330)	4820 (10640)
Arm length 3000 mm (9'10")									
6.1 m (20')		*1380 (3050)	*1380 (3050)	*1580 (3480)	*1580 (3480)	*2690 (5940)	*2690 (5940)		
3.0 m (10')		*1280 (2830)	1200 (2660)	2900 (6390)	1850 (4080)	*3740 (8250)	3040 (6700)	*3690 (8150)	*3690 (8150)
0.0 m (0')		*1530 (3310)	1120 (2480)	2670 (5900)	1640 (3630)	4240 (9360)	2580 (5700)	*5990 (13200)	4830 (10660)
-3.0 m (-10')		2510 (5540)	1530 (3370)	2620 (5780)	1590 (3520)	4100 (9040)	2450 (5410)	*5990 (13210)	4680 (10330)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC138USLC-11 (for USA)

Conditions:

Boom: 4600 mm (15'1"), Bucket: 0.5 m³ (0.65 cu.yd), Counterweight: 3460 kg (7,630 lb) unit: kg (lb)

B	A	MAX		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2500 mm (8'2") Shoes: 600 mm (24")											
7.6 m (25')		*2150 (4740)	*2150 (4740)					*3130 (6900)	*3130 (6900)		
6.1 m (20')		*1680 (3700)	*1680 (3700)			*3050 (6720)	*3050 (6720)				
4.6 m (15')		*1560 (3440)	*1560 (3440)	*2710 (5970)	2440 (5380)	*3420 (7540)	*3420 (7540)				
3.0 m (10')		*1570 (3460)	*1570 (3460)	*3610 (7960)	2180 (4810)	*4280 (9440)	3500 (7720)	*5710 (12590)	*5710 (12590)		
1.5 m (5')		*1690 (3730)	1560 (3460)	3560 (7850)	2090 (4610)	*5250 (11570)	3290 (7250)	*6170 (13600)	6180 (13620)		
0 m (0')		*1940 (4280)	1580 (3490)	3470 (7650)	2020 (4450)	5500 (12130)	3130 (6900)	*6260 (13800)	*5810 (12810)		
-1.5 m (-5')		*2420 (5340)	1750 (3860)	3430 (7560)	1980 (4370)	5410 (11930)	3050 (6720)	*8570 (18890)	5730 (12630)	*3490 (7690)	*3490 (7690)
-3.0 m (-10')		*3470 (7650)	2230 (4920)			*4930 (10870)	3060 (6750)	*7280 (16050)	5810 (12810)	*7100 (15650)	*7100 (15650)
Arm length 2500 mm (8'2") Without bucket Shoes: 600 mm (24")											
7.6 m (25')		*2500 (5510)	*2500 (5510)					*3470 (7650)	*3470 (7650)		
6.1 m (20')		*2010 (4430)	*2010 (4430)			*3360 (7410)	*3360 (7410)				
4.6 m (15')		*1870 (4120)	*1870 (4120)	*3010 (6640)	2520 (5560)	*3730 (8220)	*3730 (8220)				
3.0 m (10')		*1870 (4120)	*1870 (4120)	3940 (8690)	2470 (5450)	*4600 (10140)	3770 (8310)	*6000 (13230)	*6000 (13230)		
1.5 m (5')		*1980 (4370)	1840 (4060)	3840 (8470)	2380 (5250)	*5570 (12280)	3550 (7830)	*8460 (18650)	6410 (14130)		
0 m (0')		*2210 (4870)	1860 (4100)	3750 (8270)	2300 (5070)	5750 (12680)	3390 (7470)	*6040 (13320)	*6730 (14840)		
-1.5 m (-5')		*2680 (5910)	2030 (4480)	3710 (8180)	2260 (4980)	5660 (12480)	3310 (7300)	*9030 (19910)	5980 (13180)	*3920 (8640)	*3920 (8640)
-3.0 m (-10')		*3790 (8360)	2510 (5530)			*5240 (11550)	3330 (7340)	*7570 (16690)	6060 (13360)	*7540 (16620)	*7540 (16620)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC138USLC-10 (Japan source)Conditions: Boom: 4600 mm (15'1"), Bucket (SAE): 0.50 m³ (0.65 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

B	A	MAX		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2500 mm (8'2")									
6.1 m (20')		*1690 (3730)	*1690 (3730)			*3060 (6750)	*3060 (6750)		
3.0 m (10')		*1580 (3480)	1580 (3480)	3550 (2830)	2120 (4670)	*4320 (9520)	3400 (7500)	*5770 (12720)	*5770 (12720)
0.0 m (0')		*1940 (4280)	1530 (3370)	3360 (7410)	1950 (4300)	5310 (11710)	3010 (6640)	*5630 (12420)	5570 (12280)
-3.0 m (-10')		3480 (7670)	2170 (4780)			4870 (10740)	2950 (6500)	*6040 (13320)	5550 (12240)
Arm length 3000 mm (9'10")									
6.1 m (20')		*1380 (3040)	*1380 (3040)	*1580 (3480)	*1580 (3480)	*2690 (5930)	*2690 (5930)		
3.0 m (10')		*1280 (2820)	1280 (2820)	3290 (7250)	2140 (4720)	*3740 (8250)	3450 (7610)	*3690 (8140)	*3690 (8140)
0.0 m (0')		*1530 (3370)	1340 (2950)	3350 (7390)	1930 (4260)	5300 (11680)	3000 (6610)	*5990 (13210)	5560 (12320)
-3.0 m (-10')		2550 (5620)	1810 (3990)	3290 (7250)	1880 (4150)	5150 (11350)	2870 (6330)	*5990 (13210)	5410 (11930)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC160LC-8 (Brazil source)

Conditions:

Boom: 5150 mm, Bucket (SAE): 0.80 m³, Shoes: 700 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm													
7.5 m		*1900	*1900										
6.0 m		*1750	*1750			*3250	2950						
4.5 m		*1700	*1700	*2250	1850	*3900	2850						
3.0 m		*1800	1550	3050	1800	4500	2700	*5500	4400	*7850	*7850		
0 m		*2250	1450	2850	1650	4100	2400	6600	3700	*7650	6950		
-3.0 m		3450	1950			4050	2300	6400	3600	*11500	6900	*8400	*8400
-4.5 m		*4800	2950					*6050	3700	*8900	7200		
Arm length 2250 mm													
7.5 m		*2700	*2700										
6.0 m		*2400	*2400			*3250	2850						
4.5 m		*2350	2050			*4450	2850	*5000	4650				
3.0 m		*2450	1800			4450	2700	*6300	4300	*9700	8150		
0 m		2950	1700			4150	2400	6550	3750	*6750	*6750		
-3.0 m		4200	2450					6550	3700	*10500	7100	*10250	*10250
-4.5 m		*4850	4200							*7050	7050		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC170LC-11 (Japan source)

Conditions: Boom: 5150 mm (16'11"), Counterweight: 2750 kg (6060 lb), Shoes: 600 mm (24") unit: kg (lb)

B	A	MAX		7.5 m (25')		6.0 m (20')		4.5 m (15')		3.0 m (10')		1.5 m (4')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2610 mm (8'7") Bucket: 0.65 m ³ (0.85 cu.yd)													
7.6 m (25')		*2400 (5300)	*2400 (5300)										
6.1 m (20')		*2150 (4750)	*2150 (4750)			*3000 (6600)	*3000 (6600)						
4.6 m (15')		*2100 (4600)	*2100 (4600)			*4150 (9150)	3050 (6700)						
3.0 m (10')		*2200 (4850)	1900 (4200)	*2900 (6400)	1950 (4300)	*4700 (10350)	2900 (6400)	*5850 (12900)	4600 (10150)	*8450 (18600)	*8450 (18600)		
1.5 m (5')		*2400 (5300)	1800 (3950)	3150 (6950)	1900 (4200)	4550 (10000)	2750 (6050)	7250 (16000)	4250 (9350)	*8150 (17950)	7700 (16950)		
0 m (0')		*2850 (6300)	1850 (4100)	3100 (6800)	1800 (3950)	4400 (9700)	2600 (5700)	7000 (15400)	4050 (8900)	*5650 (12450)	*5650 (12450)	*4700 (10350)	*4700 (10350)
-1.5 m (-5')		3450 (7600)	2050 (4500)			4350 (9600)	2550 (5600)	6900 (15200)	3950 (8700)	*9750 (21500)	7500 (16500)	*9000 (19850)	*9000 (19850)
-3.0 m (-10')		4350 (9600)	2550 (5600)			4400 (9700)	2550 (5600)	6950 (15300)	3950 (8700)	*10800 (23800)	7650 (16850)		
-4.6 m (-15')		*5000 (11000)	4150 (9150)					*5200 (11450)	4150 (9150)	*7850 (17300)	*7850 (17300)		
Arm length 2610 mm (8'7") Without bucket													
7.6 m (25')		*3400 (7500)	*3400 (7500)										
6.1 m (20')		*3000 (6600)	*3000 (6600)			*3350 (7400)	*3350 (7400)						
4.6 m (15')		*2900 (6400)	2750 (6050)			*5000 (11000)	3450 (7600)	*5500 (12100)	5300 (11700)				
3.0 m (10')		*2950 (6500)	2450 (5400)			5150 (11350)	3350 (7400)	*6750 (14900)	5000 (11000)	*10050 (22150)	9050 (19950)		
1.5 m (5')		*3150 (6950)	2350 (5200)			5000 (11000)	3200 (7050)	7700 (17000)	4700 (10350)				
0 m (0')		*3600 (7950)	2400 (5300)			4900 (10800)	3100 (6800)	7450 (16400)	4500 (9900)	*7100 (15650)	*7100 (15650)		
-1.5 m (-5')		4100 (9050)	2600 (5700)			4850 (10700)	3050 (6700)	7400 (16300)	4450 (9800)	*11250 (24800)	8000 (17650)	*6500 (14300)	*6500 (14300)
-3.0 m (-10')		5100 (11250)	3200 (7050)					7450 (16400)	4500 (9900)	*10800 (23800)	8100 (17850)	*10950 (24150)	*10950 (24150)
-4.6 m (-15')		*3400 (7500)	*3400 (7500)										

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

B	A	MAX		7.5 m (25')		6.0 m (20')		4.5 m (15')		3.0 m (10')		1.5 m (4')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'6") Bucket: 0.65 m ³ (0.85 cu.yd)													
7.6 m (25')	*2100 (4600)	*2100 (5300)											
6.1 m (20')	*1850 (4050)	*1850 (4050)			*3150 (6950)	3100 (6850)							
4.6 m (15')	*1800 (3950)	*1800 (3950)			*3900 (8600)	3050 (6700)							
3.0 m (10')	*1900 (4200)	1750 (3850)	3250 (7150)	1950 (4300)	*4450 (9800)	2900 (6400)	*5450 (12000)	4650 (10250)	*8050 (17750)	*8050 (17750)			
1.5 m (5')	*2050 (4500)	1650 (3650)	3150 (6950)	1850 (4050)	4550 (10000)	2700 (5950)	*7000 (15400)	4250 (9350)	*8600 (18950)	7950 (17500)			
0 m (0')	*2400 (5300)	1700 (3750)	3050 (6700)	1800 (3950)	4400 (9700)	2550 (5600)	7000 (15400)	4000 (8800)	*6300 (13900)	*6300 (13900)			
-1.5 m (-5')	*3000 (6600)	1850 (4050)	*2650 (5850)	1750 (3850)	4300 (9500)	2500 (5500)	6850 (15100)	3850 (8500)	*9250 (20400)	7400 (16300)	*4500 (9900)	*4500 (9900)	
-3.0 m (-10')	3900 (8600)	2550 (5600)			4300 (9500)	2500 (5500)	6850 (15100)	3900 (8600)	*11200 (24700)	7500 (16550)	*9400 (20700)	*9400 (20700)	
-4.6 m (-15')	*4850 (10700)	3500 (7700)					*5800 (12800)	4050 (8900)	*8550 (18850)	*7700 (16950)			
Arm length 2900 mm (9'6") Without bucket Shoes: 600 mm (24")													
7.6 m (25')	*2950 (6500)	*2950 (6500)											
6.1 m (20')	*2650 (5850)	*2650 (5850)			*3800 (8350)	3500 (7700)							
4.6 m (15')	*2550 (5600)	*2550 (5600)			*4750 (10450)	3450 (7600)							
3.0 m (10')	*2600 (5700)	2300 (5050)	*3300 (7250)	2400 (5300)	5150 (11350)	3300 (7250)	*6400 (14100)	5000 (11000)	*9200 (20250)	*9200 (20250)			
1.5 m (5')	*2800 (6150)	2200 (4850)	3600 (7950)	2300 (5050)	5000 (11000)	3150 (6950)	7700 (16950)	4700 (10350)	*7500 (16550)	*7500 (16550)			
0 m (0')	*3100 (6800)	2250 (4950)	3550 (7800)	2250 (4950)	4850 (10700)	3050 (6700)	7400 (16300)	4450 (9800)	*7450 (16400)	*7450 (16400)			
-1.5 m (-5')	*3750 (8250)	2450 (5400)			4800 (10600)	3000 (6600)	7300 (16100)	4350 (9600)	*10750 (23700)	7850 (17300)	*6100 (13450)	*6100 (13450)	
-3.0 m (-10')	4650 (10250)	2900 (6400)			4850 (10700)	3000 (6600)	7350 (16200)	4400 (9700)	*11250 (24800)	8000 (17650)	*9950 (11950)	*9950 (11950)	
-4.6 m (-15')	*5200 (11450)	4400 (9700)					*5450 (12000)	4550 (10000)	*8050 (17750)	*8050 (17750)			

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC170LC-11 (Italy source)

Conditions: One-piece boom: 5150 mm, Bucketless, Shoes: 500 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm													
6.0 m		*2600	*2600			*3050	*3050						
4.5 m		*2550	2350			*4450	3050	*5000	4950				
3.0 m		*2600	2050	*2600	2000	4800	2950	*6400	4650	*9900	8600		
1.5 m		*2900	1900	3250	1900	4650	2750	7400	4300				
0 m		3300	1950	3200	1850	4500	2650	7150	4100	*6800	*6800		
-1.5 m		3700	2200			4450	2600	7050	4000	*9600	7750	*6450	*6450
-3.0 m		4700	2800			4500	2650	*7100	4100	*10350	7900	*9600	*9600
-4.5 m		*4800	*4800							*7000	*7000		
Arm length 2600 mm													
6.0 m		*2150	*2150			*3350	3150						
4.5 m		*2100	*2100			*4200	3100						
3.0 m		*2200	1900	3300	2000	*4750	2950	*6000	4700	*8700	*8700		
1.5 m		*2400	1800	3250	1900	4650	2800	7400	4350	*7550	*7550		
0 m		*2850	1800	3150	1850	4500	2650	7150	4100	*5350	*5350		
-1.5 m		2450	2000			4450	2600	7050	4000	*9400	7700	*4600	*4600
-3.0 m		4250	2500			4450	2600	7050	4050	*11050	7800	*8800	*8800
-4.5 m		*5000	4000					*6050	4100	*8100	*8000		
Arm length 2900 mm													
6.0 m		*1850	*1850			*3350	3200						
4.5 m		*1800	*1800	*2200	2050	*3900	3100						
3.0 m		*1800	1550	3050	1800	4500	2700	*5500	4400	*7850	*7850		
1.5 m		*2050	1650	3200	1900	4650	2750	*7150	4350	*7700	*7700		
0 m		*2400	1650	3150	1800	4450	2600	7100	4050	*6000	*6000		
-1.5 m		*3000	1850	3100	1800	4400	2550	6950	3950	*8950	7550	*4400	*4400
-3.0 m		3850	2250			4400	2550	7000	3950	*11400	7650	*9250	*9250
-4.5 m		*4900	3400					*6050	4100	*8850	7900		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC170LC-10 (UK source)

Conditions: One-piece boom: 5150 mm, Bucket weight: 495kg, Shoes: 500 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm													
6.0 m		*2600	*2600			*3050	3050						
4.5 m		*2550	2300			*4450	3000	*5000	4900				
3.0 m		*2600	2000	*2600	1950	4700	2850	*6400	4550	*9900	8450		
1.5 m		*2900	1850	3150	1850	4550	2700	7250	4200				
0 m		3250	1900	3100	1800	4400	2600	7000	4000	*6800	*6800		
-1.5 m		3600	2100			4350	2550	6900	3950	*9600	7600	*6450	*6450
-3.0 m		4600	2700			4400	2600	6950	4000	*10350	7750	*9600	*9600
-4.5 m		*4800	4700							*7000	*7000		
Arm length 2600 mm													
6.0 m		*2150	*2150			*3350	3100						
4.5 m		*2100	*2100			*4200	3050						
3.0 m		*2200	1850	3250	1950	4750	2900	*6000	4600	*8700	*8700		
1.5 m		*2400	1750	3150	1850	4550	2750	7300	4250	*7550	*7550		
0 m		*2850	1750	3100	1800	4400	2600	7000	4000	*5350	*5350		
-1.5 m		3350	1950			4350	2550	6900	3900	*9400	7500	*4600	*4600
-3.0 m		4150	2450			4350	2550	6950	3950	*11050	7650	*8800	*8800
-4.5 m		*5000	3900					*5500	4100	*8100	*7850		
Arm length 2900 mm													
6.0 m		*1850	*1850			*3300	3100						
4.5 m		*2100	*2100	*2200	2000	*3900	3050						
3.0 m		*1900	1700	3250	1950	*4550	2900	*5600	4650	*8350	*8350		
1.5 m		*2050	1600	3150	1850	4550	2700	7150	4250	*7700	*7700		
0 m		*2400	1650	3050	1750	4350	2550	7000	4000	*6000	*6000		
-1.5 m		*3000	1800	3050	1750	4300	2500	6800	3850	*8950	7400	*4400	*4400
-3.0 m		3750	2200			4300	2500	6850	3850	*11400	7500	*9250	*9250
-4.5 m		*4900	3300					*6050	4000	*8850	7750		

Conditions:

One-piece boom: 5150 mm, Bucket weight: 495kg, Shoes: 500 mm, with additional counterweight unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm													
6.0 m		*2600	*2600			*3050	*3050						
4.5 m		*2550	2500			*4450	3250						
3.0 m		*2600	2150	*2600	2100	*5000	3100	*6400	4900	*9900	9100		
1.5 m		*2900	2050	3400	2050	4850	2950	7650	4550				
0 m		*3350	2100	*3200	2000	4700	2850	7450	4350	*6800	*6800		
-1.5 m		3900	2350			4650	2800	7400	4300	*9600	8200	*6450	*6450
-3.0 m		4950	2950			4750	2850	7300	7350	*10350	8350	*9600	*9600
-4.5 m		*4800	*4800							*7000	*7000		
Arm length 2600 mm													
6.0 m		*2150	*2150			*3350	*3350						
4.5 m		*2100	*2100			*4200	3300						
3.0 m		*2200	2050	*3400	2150	*4750	3150	*6400	4950	*8700	*8700		
1.5 m		*2400	1950	3400	2050	4850	2950	*7500	4600	*7550	*7550		
0 m		*2850	1950	3350	2000	4750	2850	7500	4350	*5350	*5350		
-1.5 m		3600	2150			4650	2800	7350	4250	*9400	8150	*4600	*4600
-3.0 m		4450	2700			4750	2800	7400	4300	*11050	8300	*8800	*8800
-4.5 m		*5000	4250					*5500	4450	*8100	*8100		
Arm length 2900 mm													
6.0 m		*1850	*1850			*3300	*3300						
4.5 m		*1800	*1800	*2200	2200	*3900	3300						
3.0 m		*1900	1900	3450	2100	*4550	3150	*5600	5000	*8350	*8350		
1.5 m		*2050	1800	3400	2050	4850	2950	*7150	4600	*7700	*7700		
0 m		*2400	1800	3300	1950	4700	2800	7450	4350	*6000	*6000		
-1.5 m		*3000	2000	3250	1950	4600	2700	7300	4200	*8950	8000	*4400	*4400
-3.0 m		4450	2400			4600	2750	7300	4200	*11400	8150	*9250	*9250
-4.5 m		*4900	3600					*6050	4350	*8850	*8300		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC170LC-10 (Japan source)

Conditions: Boom:

5150 mm (16'11"), Bucket: 0.65 m³ (0.85 cu.yd), Counterweight: 2990 kg (6590 lb), Shoes: 500 mm (20")
unit: kg (lb)

B	A	MAX		7.5 m (25')		6.0 m (20')		4.5 m (15')		3.0 m (10')		1.5 m (4')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2610 mm (8'7") Bucket: 0.65 m ³ (0.85 cu.yd)													
6.0 m (20')		*2150 (4750)	*2150 (4750)			*3350 (7350)	3100 (6800)						
4.5 m (15')		*2100 (4600)	*2100 (4600)			*4200 (9250)	3050 (6700)						
3.0 m (10')		*2200 (4850)	1850 (4050)	3250 (7150)	1950 (4300)	4750 (10450)	2900 (6400)	*6000 (13200)	4600 (10150)	*8700 (19150)	*8700 (19150)		
1.5 m (5')		*2400 (5300)	1750 (3850)	3150 (6950)	1850 (4050)	4550 (10000)	2750 (6050)	7300 (16100)	4250 (9350)	*7550 (16650)	*7550 (16650)		
0 m (0')		*2850 (6300)	1750 (3850)	3100 (6800)	1800 (3950)	4400 (9700)	2600 (5700)	7000 (15400)	4000 (8800)	*5350 (11800)	*5350 (11800)		
-1.5 m (-5')		3350 (7350)	1950 (4300)			4350 (9600)	2550 (5600)	6900 (15200)	3900 (8600)	*9400 (20700)	7500 (16500)	*4600 (10150)	*4600 (10150)
-3.0 m (-10')		4150 (9150)	2450 (5400)			4350 (9600)	2550 (5600)	6950 (15300)	3950 (8700)	*11050 (24350)	7650 (16850)		
-4.5 m (-15')		*5000 (11000)	3900 (8600)					*5500 (12100)	4100 (9000)	*8100 (17850)	*7850 (17300)		
Arm length 2900 mm (9'6") Bucket: 0.65 m ³ (0.85 cu.yd)													
6.0 m (20')		*1850 (4050)	*1850 (4050)			*3300 (7250)	3100 (6800)						
4.5 m (15')		*1800 (3950)	*1800 (3950)	*2200 (4850)	2000 (4400)	*3900 (8600)	3050 (6700)						
3.0 m (10')		*1900 (4150)	1700 (3750)	3250 (7150)	1950 (4300)	*4550 (10000)	2900 (6400)	*5600 (12350)	4650 (10250)	*8350 (18400)	*8350 (18400)		
1.5 m (5')		*2050 (4500)	1600 (3500)	3150 (6950)	1850 (4050)	4550 (10000)	2700 (5950)	*7150 (15750)	4250 (9350)	*7700 (16950)	*7700 (16950)		
0 m (0')		*2400 (5300)	1650 (3600)	3050 (6700)	1750 (3850)	4350 (9600)	2550 (5600)	7000 (15400)	4000 (8800)	*6000 (13200)	*6000 (13200)		
-1.5 m (-5')		*3000 (6600)	1800 (3950)	3050 (6700)	1750 (3850)	4300 (9450)	2500 (5500)	6800 (15000)	3850 (8450)	*8950 (19700)	7400 (16300)	*4400 (9700)	*4400 (9700)
-3.0 m (-10')		3750 (8250)	2200 (4850)			4300 (9450)	2500 (5500)	6850 (15100)	3850 (8450)	*11400 (25100)	7500 (16500)	*9250 (20400)	*9250 (20400)
-4.5 m (-15')		*4900 (10800)	3300 (7250)					*6050 (13300)	4000 (8800)	*8850 (19500)	7750 (17050)		
Arm length 2610 mm (8'7") Bucketless													
6.0 m (20')		*3000 (6600)	*3000 (6600)			*3900 (8600)	3500 (7700)						
4.5 m (15')		*2900 (6400)	2700 (5950)			*5050 (11100)	3450 (7600)	*5550 (12200)	5300 (11650)				
3.0 m (10')		*2950 (6500)	2400 (5300)	3000 (6600)	2400 (5300)	5150 (11350)	3350 (7350)	*6900 (15200)	5000 (11000)	*10400 (22900)	9050 (19950)		
1.5 m (5')		*3200 (7050)	2300 (5050)	3650 (8050)	2350 (5150)	5000 (11000)	3200 (7050)	7700 (16950)	4700 (10350)				
0 m (0')		*3600 (7900)	2350 (5150)			4900 (10800)	3100 (6800)	7450 (16400)	4500 (9900)	*6800 (15000)	*6800 (15000)		
-1.5 m (-5')		*4000 (8800)	2550 (5600)			4850 (10700)	3050 (6700)	7400 (16300)	4400 (9700)	*10900 (24000)	8000 (17600)	*6400 (14100)	*6400 (14100)
-3.0 m (-10')		4950 (10900)	3100 (6800)					7450 (16400)	4450 (9800)	*11050 (24350)	8150 (17950)	*10750 (23700)	*10750 (23700)
-4.5 m (-15')		*5200 (11450)	4900 (10800)										
Arm length 2900 mm (9'6") Bucketless													
6.0 m (20')		*2650 (5850)	*2650 (5850)			*4050 (8900)	3500 (7700)						
4.5 m (15')		*2550 (5600)	2500 (5500)			*4800 (10550)	3450 (7600)						
3.0 m (10')		*2600 (5700)	2250 (4950)	3700 (8150)	2400 (5300)	5150 (11350)	3300 (7250)	*6500 (14300)	5000 (11000)	*9500 (20950)	9200 (20250)		
1.5 m (5')		*2800 (6150)	2150 (4700)	3600 (7950)	2300 (5050)	5000 (11000)	3150 (6950)	7700 (16950)	4650 (10250)	*6900 (15200)	*6900 (15200)		
0 m (0')		*3100 (6800)	2200 (4850)	3550 (7800)	2250 (4950)	4850 (10700)	3050 (6700)	7400 (16300)	4450 (9800)	*7200 (15850)	*7200 (15850)		
-1.5 m (-5')		3750 (8250)	2350 (5150)			4800 (10600)	3000 (6600)	7300 (16100)	4350 (9600)	*10400 (22900)	7900 (17400)	*6000 (13200)	*6000 (13200)
-3.0 m (-10')		4500 (9900)	2850 (6250)			4850 (10700)	3000 (6600)	7350 (16200)	4350 (9600)	*11500 (25350)	8000 (17650)	*9750 (21500)	*9750 (21500)
-4.5 m (-15')		*5200 (11450)	4200 (9250)					*5750 (12650)	4550 (10000)	*8350 (18400)	8250 (18150)		

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200-8 (Japan source)

Conditions: Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 600 mm (24") unit :kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7")													
7.6 m (25')	*2750 (6100)	*2750 (6100)			*3800 (8300)	*3800 (8300)							
6.1 m (20')	*2600 (5800)	*2600 (5800)			*4300 (9500)	4050 (8900)							
4.6 m (15')	*2650 (5800)	2150 (4800)	3950 (8800)	2600 (5700)	*4900 (10800)	3900 (8600)							
3.0 m (10')	*2800 (6100)	1950 (4300)	3850 (8500)	2500 (5500)	5650 (12500)	3700 (8100)	*7350 (16200)	5850 (12900)	*11350 (25000)	*11350 (25000)			
1.5 m (5')	3000 (6600)	1850 (4100)	3750 (8300)	2350 (5200)	5400 (11900)	3450 (7600)	8600 (19000)	5350 (11800)	*7500 (16500)	*7500 (16500)			
0 m (0')	3050 (6700)	1900 (4200)	3650 (8000)	2300 (5000)	5200 (11500)	3250 (7200)	8250 (18200)	5050 (11100)	*8000 (17700)	*8000 (17700)			
-1.5 m (-5')	3350 (7400)	2050 (4600)	3600 (7900)	2250 (4900)	5100 (11200)	3150 (7000)	8100 (17900)	4900 (10800)	*11200 (24700)	9500 (20900)	*6800 (15000)	*6800 (15000)	
-3.0 m (-10')	4000 (8800)	2500 (5500)			5100 (11200)	3150 (7000)	8100 (17900)	4950 (10900)	*15600 (34400)	9650 (21300)	*10550 (23200)	*10550 (23200)	
-4.6 m (-15')	5650 (12500)	3550 (7900)					8300 (18300)	5100 (11200)	*13050 (28800)	10000 (22000)			
Arm length 1840 mm (6')													
7.6 m (25')	*4800 (10600)	*4800 (10600)					*5500 (12100)	*5500 (12100)					
6.1 m (20')	*4450 (9900)	3450 (7600)			*5450 (12100)	3800 (8300)	*5700 (12600)	*5700 (12600)					
4.6 m (15')	4200 (9300)	2700 (6000)			5650 (12500)	3700 (8100)	*7000 (15400)	6000 (13200)	*9850 (21800)	*9850 (21800)			
3.0 m (10')	3750 (8300)	2350 (5200)			5450 (12000)	3500 (7700)	8600 (19000)	5350 (11800)					
1.5 m (5')	3600 (8000)	2250 (5000)	3650 (8100)	2300 (5000)	5250 (11500)	3300 (7300)	8250 (18200)	5000 (11100)					
0 m (0')	3750 (8200)	2300 (5100)			5100 (11200)	3150 (7000)	8050 (17700)	4850 (10700)					
-1.5 m (-5')	4200 (9300)	2650 (5800)			5050 (11200)	3150 (6900)	8050 (17700)	4850 (10700)	*13350 (29400)	9500 (21000)			
-3.0 m (-10')	5500 (12100)	3450 (7600)					8200 (18100)	5000 (11000)	*13200 (29100)	9800 (21600)			
Arm length 2410 mm (7'11")													
7.6 m (25')	*4300 (9500)	4300 (9400)											
6.1 m (20')	*4100 (9000)	3000 (6600)			*4850 (10700)	3950 (8700)							
4.6 m (15')	3800 (8400)	2450 (5400)	3900 (8600)	2500 (5600)	*5400 (11900)	3800 (8400)	*6200 (13600)	*6200 (13600)					
3.0 m (10')	3400 (7500)	2150 (4800)	3800 (8400)	2450 (5400)	5600 (12300)	3600 (8000)	*8100 (17800)	5700 (12600)					
1.5 m (5')	3300 (7300)	2050 (4600)	3700 (8200)	2350 (5200)	5350 (11800)	3400 (7500)	8450 (18700)	5250 (11500)					
0 m (0')	3400 (7500)	2100 (4700)	3650 (8000)	2250 (5000)	5150 (11400)	3250 (7100)	8150 (18000)	4950 (11000)	*7350 (16200)	*7350 (16200)			
-1.5 m (-5')	3750 (8300)	2350 (5200)			5100 (11200)	3150 (7000)	8100 (17800)	4900 (10800)	*12250 (27000)	9500 (21000)	*7650 (16900)	*7650 (16900)	
-3.0 m (-10')	4650 (10200)	2900 (6400)			5150 (11400)	3200 (7100)	8200 (18000)	4950 (11000)	*14700 (32400)	9750 (21500)	*12650 (27900)	*12650 (27900)	
-4.6 m (-15')	*7200 (15900)	4550 (10000)					*8100 (17800)	5200 (11500)	*11600 (25500)	10150 (22400)			

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200-8M0 (Japan source)Conditions: Boom: 5700 mm, Bucket (SAE): 0.80 m³, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1840 mm													
	7.5 m	*5100	*5100					*5600	*5600				
	6.0 m	*4800	3600			*5550	3950	*5800	*5800				
	4.5 m	4400	2850			5850	3800	*7350	6150	*10350	*10350		
	3.0 m	3900	2500	3850	2450	5600	3600	9000	5650				
	1.5 m	3750	2350	3750	2350	5400	3400	8550	5200				
	0 m	3900	2400	3700	2300	5250	3250	8350	5050				
	-1.5 m	4400	2750			5200	3250	8350	5050	*9500	*9500		
	-3.0 m	5750	3600			5350	3350	8500	5200	*13000	10300		
Arm length 2410 mm													
	7.5 m	*4500	4250										
	6.0 m	*4250	3000			*4850	4050						
	4.5 m	3800	2450	4000	2600	*5450	3900	*6400	6300				
	3.0 m	3450	2150	3900	2500	5650	3650	*8650	5800				
	1.5 m	3300	2050	3750	2350	5450	3450	8650	5300				
	0 m	3400	2100	3700	2300	5250	3250	8350	5050	*7000	*7000		
	-1.5 m	3750	2350	3650	2250	5200	3200	8300	5000	*9300	*9300	*7700	*7700
	-3.0 m	4650	2900			5250	3250	8400	5100	*14600	10200		
	-4.5 m	*7150	4500					*8300	5350	*11650	10400		
Arm length 2925 mm													
	7.5 m	*2900	*2900			*4050	*4050						
	6.0 m	*2750	2600	*3100	2600	*4250	4100						
	4.5 m	*2750	2150	4000	2550	*4850	3900	*5500	*5500				
	3.0 m	*2900	1900	3850	2450	5650	3650	*7700	5850	*11600	*11600		
	1.5 m	2950	1800	3700	2300	5400	3400	8700	5300	*6800	*6800		
	0 m	3000	1800	3600	2200	5150	3200	8300	4950	*5150	*5150		
	-1.5 m	3300	2000	3550	2150	5050	3050	8100	4850	*9300	*9300	*5150	*5150
	-3.0 m	3950	2400			5050	3100	8200	4900	*14800	9850	*9700	*9700
	-4.5 m	5700	3500					8400	5100	*12950	10200		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200-8M0 (Russia source)Conditions: Boom: 5700 mm, Bucket (SAE): 0.80 m³, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm													
	7.5 m	*2900	*2900			*4050	*4050						
	6.0 m	*2750	2600	*3100	2600	*4250	4100						
	4.5 m	*2750	2150	4000	2550	*4850	3900	*5500	*5500				
	3.0 m	*2900	1900	3850	2450	5650	3650	*7700	5850	*11600	*11600		
	1.5 m	2950	1800	3700	2300	5400	3400	8700	5300	*6800	*6800		
	0 m	3000	1800	3600	2200	5150	3200	8300	4950	*5150	*5150		
	-1.5 m	3300	2000	3550	2150	5050	3050	8100	4850	*9300	*9300	*5150	*5150
	-3.0 m	3950	2400			5050	3100	8200	4900	*14800	9850	*9700	*9700
	-4.5 m	5700	3500					8400	5100	*12950	10200		
Arm length 2410 mm													
	7.5 m	*4500	4250										
	6.0 m	*4250	3000			*4850	4050						
	4.5 m	3800	2450	4000	2600	*5450	3900	*6400	6300				
	3.0 m	3450	2150	3900	2500	5650	3650	*8650	5800				
	1.5 m	3300	2050	3750	2350	5450	3450	8650	5300				
	0 m	3400	2100	3700	2300	5250	3250	8350	5050	*7000	*7000		
	-1.5 m	3750	2350	3650	2250	5200	3200	8300	5000	*9300	*9300	*7700	*7700
	-3.0 m	4650	2900			5250	3250	8400	5100	*14600	10200		
	-4.5 m	*7150	4500					*8300	5350	*11650	10400		
Arm length 1840 mm													
	7.5 m	*5100	*5100					*5600	*5600				
	6.0 m	*4800	3600			*5550	3950	*5800	*5800				
	4.5 m	4400	2850			5850	3800	*7350	6150	*10350	*10350		
	3.0 m	3900	2500	3850	2450	5600	3600	9000	5650				
	1.5 m	3750	2350	3750	2350	5400	3400	8550	5200				
	0 m	3900	2400	3700	2300	5250	3250	8350	5050				
	-1.5 m	4400	2750			5200	3250	8350	5050	*9500	*9500		
	-3.0 m	5750	3600			5350	3350	8500	5200	*13000	10300		
	-4.5 m	*5100	*5100					*5600	*5600				

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200-8M0 (Brazil source)Conditions: Boom: 5700 mm, Bucket (SAE): 1.2 m³, Shoes: 700 mm

unit: kg

B	A	MAX		7.6 m		6.1 m		4.6 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2410 mm													
	7.6m	*4250	4200										
	6.1m	*3950	2850			5650	3750						
	4.6m	3550	2250	3600	2300	5500	3600	*7300	6000				
	3.0m	3200	1950	3350	2200	5250	3350	8650	5450				
	1.5m	3050	1850	3400	2100	5000	3150	8100	5000				
	0m	3150	1900	3350	2000	4850	3000	7800	4700	*7000	7000		
	-1.5m	3500	2100			4750	2900	7750	4650	*12150	9300	*7550	*7550
	-3.0m	4400	2700			4850	2900	7850	4750	*17200	9550		
	-4.6m	7200	4500					8150	5000	*13400	10000		
Arm length 2925 mm													
	7.6m	*2650	*2650			*3250	*3250						
	6.1m	*2500	*2500			*5050	3800						
	4.6m	*2500	2000	3650	2350	5600	3650	*6450	6150				
	3.0m	*2650	1750	3550	2250	5350	3450	*8750	5600	*13750	11050		
	1.5m	2750	1650	3450	2100	5050	3100	8250	5100	*7050	7050		
	0m	2850	1700	4850	3350	4850	3000	7850	4750	*7950	7950		
	-1.5m	3100	1750	4750	3300	4750	2900	7700	4650	*11350	9250	*6950	*6950
	-3.0m	3850	2350			4750	2900	7750	4650	*16450	9350	*10800	*10800
	-4.6m	5700	8150					7850	4750	*15100	22000		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200LC-8M0 (Brazil source)Conditions: Boom: 5200 mm, Bucket (SAE): 1.50 m³, Shoes: 800 mm

unit: kg

B	A	MAX		7.6 m		6.1 m		4.6 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2410 mm													
	7.6m	*4300	*4250										
	6.1m	*3950	3300			*5750	4300						
	4.6m	*4000	2650			*6350	4150	*7300	6900				
	3.0m	4050	2300	5000	3020	6650	3900	*9600	6300				
	1.5m	3900	2200	4840	2915	6350	3700	10450	5800				
	0m	4000	2250	4790	2810	6200	3500	10100	5550	*7000	*7000		
	-1.5m	4500	2550			6100	3450	10050	5550	*12150	11100	7550	7550
	-3.0m	5650	3200					10150	5550	*17200	11350		
	-4.6m	8500	5250					9350	5850	*13400	11800		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200LC-8 (Japan source)

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 700 mm (28")

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7")													
7.6 m (25')	*2750 (6100)	*2750 (6100)			*3800 (8300)	*3800 (8300)							
6.1 m (20')	*2600 (5800)	*2600 (5800)			*4300 (9500)	*4300 (9500)							
4.6 m (15')	*2650 (5800)	2550 (5600)	*4650 (10300)	3000 (6600)	*4900 (10800)	4500 (9900)							
3.0 m (10')	*2800 (6100)	2300 (5100)	*4750 (10500)	2900 (6400)	*5850 (12900)	4250 (9400)	*7350 (16200)	6750 (14900)	*11350 (25000)	*11350 (25000)			
1.5 m (5')	*3050 (6700)	2200 (4900)	4650 (10200)	2800 (6200)	6700 (14700)	4000 (8900)	*9300 (20500)	6250 (13800)	*7500 (16500)	*7500 (16500)			
0 m (0')	*3500 (7800)	2250 (5000)	4550 (10000)	2700 (5900)	6450 (14300)	3850 (8400)	10450 (23000)	5900 (13000)	*8000 (17700)	*8000 (17700)			
-1.5 m (-5')	*4150 (9200)	2450 (5400)	4500 (9900)	2650 (5800)	6350 (14000)	3750 (8200)	*10250 (22700)	5800 (12700)	*11200 (24700)	*11200 (24700)	*6800 (15000)	*6800 (15000)	
-3.0 m (-10')	4950 (11000)	2950 (6500)			6350 (14000)	3750 (8200)	10300 (22700)	5800 (12800)	*15600 (34400)	11500 (25400)	*10550 (23200)	*10550 (23200)	
-4.6 m (-15')	*6750 (14900)	4150 (9200)					*9050 (20000)	6000 (13200)	*13050 (28800)	11900 (26000)			
Arm length 2410 mm (7'11")													
7.6 m (25')	*4300 (9500)	*4300 (9500)											
6.1 m (20')	*4100 (9000)	3500 (7700)			*4850 (10700)	4500 (10000)							
4.6 m (15')	*4150 (9100)	2850 (6300)	*4700 (10400)	2950 (6500)	*5400 (11900)	4400 (9700)	*6200 (13600)	*6200 (13600)					
3.0 m (10')	*4250 (9300)	2550 (5600)	4700 (10400)	2850 (6300)	*6300 (13900)	4200 (9200)	*8100 (17800)	6600 (14600)					
1.5 m (5')	4100 (9000)	2450 (5400)	4600 (10200)	2750 (6100)	*6600 (14500)	3950 (8700)	*9850 (21800)	6100 (13500)					
0 m (0')	4200 (9300)	2500 (5500)	4550 (10000)	2700 (5900)	6450 (14200)	3800 (8400)	10350 (22800)	5850 (12900)	*7350 (16200)	*7350 (16200)			
-1.5 m (-5')	4650 (10300)	2750 (6100)			6350 (14000)	3750 (8300)	10250 (22600)	5800 (12700)	*12250 (27000)	11400 (25100)	*7650 (16900)	*7650 (16900)	
-3.0 m (-10')	5750 (12700)	3450 (6100)			6400 (14200)	3800 (8400)	*10250 (22600)	5850 (12900)	*14700 (32400)	11600 (25600)	*12650 (27900)	*12650 (27900)	
-4.6 m (-15')	*7200 (15900)	5300 (11700)					*8100 (17800)	6100 (13500)	*11600 (25500)	*11600 (25500)			
Arm length 1840 mm (6')													
6.1 m (20')	*4450 (9900)	3950 (8800)			*5450 (12100)	4350 (9600)	*5700 (12600)	*5700 (12600)					
7.6 m (25')	*4800 (10600)	*4800 (10600)					*5500 (12100)	*5500 (12100)					
4.6 m (15')	*4500 (9900)	3150 (7000)			*5900 (13000)	4250 (9400)	*7000 (15400)	*6900 (15200)	*9850 (21800)	*9850 (21800)			
3.0 m (10')	*4650 (10200)	2800 (6200)			*6700 (14800)	4050 (9000)	*8700 (19200)	6250 (13700)					
1.5 m (5')	4500 (9900)	2650 (5900)	4550 (10000)	2700 (6000)	6500 (14300)	3850 (8500)	*10350 (22800)	5900 (13000)					
0 m (0')	4650 (10300)	2750 (6100)			6350 (14000)	3750 (8200)	10200 (22500)	5700 (12600)					
-1.5 m (-5')	5250 (11600)	3100 (6900)			6350 (14000)	3700 (8200)	10200 (22500)	5700 (12600)	*13350 (29400)	11350 (25100)			
-3.0 m (-10')	6850 (15100)	4050 (8900)					*9550 (21100)	5900 (13000)	*13200 (29100)	11700 (25800)			

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200LC-8M0 (Japan source)

Conditions:

Boom: 5700 mm, Bucket (SAE): 0.80 m³, Shoes: 700 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1840 mm													
	7.5 m	*5100	*5100					*5600	*5600				
	6.0 m	*4800	4150			*5550	4550	*5800	*5800				
	4.5 m	*4900	3300	4750	2900	*6000	4400	*7350	7050	*10350	*10350		
	3.0 m	4850	2900	4650	2800	6900	4200	*9700	6550				
	1.5 m	4650	2800	4600	2750	6700	4000	*10700	6100				
	0 m	4850	2850			6550	3850	10600	5950				
	-1.5 m	5450	3250			6500	3800	10600	5950	*9500	*9500		
	-3.0 m	7150	4200			6650	3950	*9750	6100	*13000	12250		
Arm length 2410 mm													
	7.5 m	*4500	*4500										
	6.0 m	*4250	3500			*4850	4650						
	4.5 m	*4300	2850	4900	3000	*5450	4500	*6400	*6400				
	3.0 m	4250	2550	4800	2900	*6400	4200	*8650	6750				
	1.5 m	4100	2450	4700	2800	6750	4000	*10550	6250				
	0 m	4250	2500	4600	2700	6550	3850	10650	5950	*7000	*7000		
	-1.5 m	4700	2750	4550	2700	6500	3800	10550	5900	*9300	*9300	*7700	*7700
	-3.0 m	5800	3400			6550	3850	*10350	6000	*14600	12200		
	-4.5 m	*7150	5250					*8300	6250	*11650	*11650		
Arm length 2925 mm													
	7.5 m	*2900	*2900			*4050	*4050						
	6.0 m	*2750	*2750	*3100	3050	*4250	*4250						
	4.5 m	*2750	2550	*4600	3000	*4850	4500	*5500	*5500				
	3.0 m	*2900	2250	4800	2850	*5900	4200	*7700	6800	*11600	*11450		
	1.5 m	*3200	2150	4600	2750	6700	3950	*9800	6250	*6800	*6800		
	0 m	*3700	2200	4500	2600	6500	3750	10550	5850	*5150	*5150		
	-1.5 m	4150	2400	4450	2550	6350	3650	10400	5750	*9300	*9300	*5150	*5150
	-3.0 m	4950	2900			6350	3650	*10400	5800	*14800	11800	*9700	*9700
	-4.5 m	*6700	4100					*9100	6000	*12950	*12000		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC200LC-8M0 (Russia source)

Conditions:

Conditions: Boom: 5700 mm, Bucket (SAE): 0.80 m³, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm													
7.5 m		*2900	*2900			*4050	*4050						
6.0 m		*2750	*2750	*3100	3050	*4250	*4250						
4.5 m		*2750	2550	*4600	3000	*4850	4500	*5500	*5500				
3.0 m		*2900	2250	4800	2850	*5900	4200	*7700	6800	*11600	*11600		
1.5 m		*3200	2150	4600	2750	6700	3950	*9800	6250	*6800	*6800		
0 m		*3700	2200	4500	2600	6500	3750	10550	5850	*5150	*5150		
-1.5 m		4150	2400	4450	2550	6350	3650	10400	5750	*9300	*9300	*5150	*5150
-3.0 m		4950	2900			6350	3650	*10400	5800	*14800	11800	*9700	*9700
-4.5 m		*6700	4100					*9100	6000	*12950	*12000		
Arm length 2410 mm													
7.5 m		*4500	*4500										
6.0 m		*4250	3500			*4850	4650						
4.5 m		*4300	2850	4900	3000	*5450	4500	*6400	*6400				
3.0 m		4250	2550	4800	2900	*6400	4200	*8650	6750				
1.5 m		4100	2450	4700	2800	6750	4000	*10550	6250				
0 m		4250	2500	4600	2700	6550	3850	10650	5950	*7000	*7000		
-1.5 m		4700	2750	4550	2700	6500	3800	10550	5900	*9300	*9300	*7700	*7700
-3.0 m		5800	3400			6550	3850	*10350	6000	*14600	12200		
-4.5 m		*7150	5250					*8300	6250	*11650	*11650		
Arm length 2925 mm													
7.5 m		*5100	*5100					*5600	*5600				
6.0 m		*4800	4150			*5550	4550	*5800	*5800				
4.5 m		*4900	3300	4750	2900	*6000	4400	*7350	7050	*10350	*10350		
3.0 m		4850	2900	4650	2800	6900	4200	*9700	6550				
1.5 m		4650	2800	4600	2750	6700	4000	*10700	6100				
0 m		4850	2850			6550	3850	10600	5950				
-1.5 m		5450	3250			6500	3800	*10600	5950	*9500	*9500		
-3.0 m		7150	4200			6650	3950	*9750	6100	*13000	12250		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210-11 (UK source)

Conditions: One-piece boom: 5700 mm, Bucketless, Shoes: 600 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm													
	7.5 m	*6100	5960										
	6.0 m	*5700	4350			*7200	5200	*7430	*7430				
	4.5 m	5130	3660			7160	5050	*9080	*7700	*12410	*12410		
	3.0 m	4690	3330	4980	3530	6920	4830	10720	7170				
	1.5 m	4550	3210	4880	3440	6680	4620	10220	6740				
	0 m	4670	3280	4810	3370	6530	4480	9990	6540				
	-1.5 m	5140	3590			6480	4440	9950	6510	*12410	12170		
	-3.0 m	6310	4350			6570	4520	10060	6600	*17480	12380		
Arm length 2900 mm													
	7.5 m	*4060	*4060			*4660	*4660						
	6.0 m	*3820	*3820			*6500	5270						
	4.5 m	*3800	3320	5100	3640	*7210	5110	*8140	7840				
	3.0 m	*3930	3040	4990	3530	6960	4860	10510	7290				
	1.5 m	4170	2940	4870	3420	6690	4620	10280	6780				
	0 m	4260	2990	4770	3330	6500	4450	6690	6500	*7200	*7200		
	-1.5 m	4620	3220	4740	3300	6420	4370	9860	6420	*11680	*11680	*7480	*7480
	-3.0 m	5470	3790			6450	4400	9920	6470	*17930	12120	*12100	*12100
	-4.5 m	7780	5280					*10160	6680	*15170	12490		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210-10M0 (Japan source)

Conditions: Boom: 5700 mm, Arm: 2925 mm, Bucketless

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Shoes: 600 mm													
	7.5 m	*3850	*3850			*4450	*4450						
	6.0 m	*3600	3250			*5150	4550						
	4.5 m	*3550	2750	4500	3050	*5750	4400	*6500	*6500				
	3.0 m	*3700	2500	4350	2950	6200	4150	*8450	6300				
	1.5 m	3600	2400	4250	2800	5900	3900	9200	5800				
	0 m	3700	2400	4150	2700	5750	3700	8900	5550	*7000	*7000		
	-1.5 m	4000	2650	4100	2700	5650	3650	8800	5450	*11450	10350	*7250	*7250
	-3.0 m	4800	3150			5700	3650	8850	5500	*15200	10550	*11900	*11900
	-4.5 m	6950	4500					*8700	5750	*12200	10950		
Shoes: 700 mm													
	7.5 m	*3850	*3850			*4450	*4450						
	6.0 m	*3600	3300			*5150	4650						
	4.5 m	*3550	2800	4550	3100	*5750	4450	*6500	*6500				
	3.0 m	*3700	2550	4450	3000	6300	4200	*8450	6450				
	1.5 m	3650	2450	4300	2850	6050	3950	9400	5900				
	0 m	3750	2450	4200	2750	5850	3800	9050	5650	*7000	*7000		
	-1.5 m	4100	2700	4200	2750	5750	3700	8950	5550	*11450	10550	*7250	*7250
	-3.0 m	4900	3200			5800	3750	9050	5600	*15200	10750	*11900	*11900
	-4.5 m	*7000	4550					*8700	5850	*12200	11100		
Shoes: 800 mm													
	7.5 m	*3850	*3850			*4450	*4450						
	6.0 m	*3600	3350			*5150	4650						
	4.5 m	*3550	2850	4600	3150	*5750	4500	*6500	*6500				
	3.0 m	*3700	2550	4500	3000	6350	4250	*8450	6500				
	1.5 m	3700	2450	4350	2900	6100	4000	9500	6000				
	0 m	3800	2500	4250	2800	5900	3850	9150	5700	*7000	*7000		
	-1.5 m	4150	2700	4250	2800	5800	3750	9050	5600	*11450	10650	*7250	*7250
	-3.0 m	4950	3250			5850	3800	9150	5650	*15200	10850	*11900	*11900
	-4.5 m	*7000	4600					*8700	5900	*12200	11250		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210LC-11 (Japan source)

Conditions: Boom: 5700 mm (18'8"), Shoes: 700 mm (28")

unit :kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7") Bucket (SAE): 0.80m ³ (1.05cu.yd)													
7.6 m (25')		*2950 (6500)	*2950 (6500)			*3600 (7900)	*3600 (7900)						
6.1 m (20')		*2800 (6200)	*2800 (6200)			*5250 (11600)	4950 (10900)						
4.6 m (15')		*2800 (6200)	*2800 (6200)	*4850 (10700)	3250 (7200)	*6050 (13300)	4800 (10600)	*6700 (14700)	*6700 (14700)				
3.0 m (10')		*2950 (6500)	2600 (5700)	5000 (11000)	3150 (6900)	*7250 (16000)	4550 (10000)	*9300 (20500)	7250 (16000)	*13700 (30100)	*13700 (30100)		
1.5 m (5')		*3250 (7200)	2450 (5400)	4850 (10700)	3000 (6600)	7000 (15400)	4300 (9500)	11300 (24900)	6700 (14700)	*7350 (16200)	*7350 (16200)		
0 m (0')		*3750 (8300)	2500 (5500)	4750 (10500)	2900 (6400)	6800 (15000)	4150 (9100)	10950 (24100)	6400 (14100)	*5500 (12100)	*5500 (12100)		
-1.5 m (-5')		4500 (9900)	2400 (5300)	4700 (10300)	2850 (6300)	6650 (14600)	4050 (8900)	10800 (23800)	6250 (13800)	*9650 (21200)	*9650 (21200)	*5300 (11700)	*5300 (11700)
-3.0 m (-10')		5400 (11900)	3300 (7300)			6650 (14600)	4050 (8900)	10850 (23900)	6300 (13900)	*16650 (36600)	12600 (27700)	*9950 (21900)	*9950 (21900)
-4.6 m (-15')		7800 (17200)	4750 (10500)					*11000 (24200)	6500 (14300)	*15700 (34500)	12950 (28500)		
Arm length 2925 mm (9'7") Bucketless													
7.6 m (25')		*4150 (9100)	*4150 (9100)										
6.1 m (20')		*3850 (8500)	*3850 (8500)			*6600 (14500)	5450 (12000)						
4.6 m (15')		*3850 (8500)	3600 (7900)	*5250 (11600)	3800 (8400)	*7250 (16000)	5350 (11800)	*8100 (17800)	*8100 (17800)				
3.0 m (10')		*3950 (8700)	3300 (7300)	5600 (12300)	3750 (8300)	7800 (17200)	5150 (11300)	*10450 (23000)	7700 (16900)	*12850 (28300)	*12850 (28300)		
1.5 m (5')		*4250 (9400)	3200 (7000)	5450 (12000)	3650 (8000)	7550 (16600)	4900 (10800)	11850 (26100)	7250 (16000)				
0 m (0')		*4750 (10500)	3250 (7200)	5400 (11900)	3550 (7800)	7400 (16300)	4750 (10500)	11550 (25400)	7000 (15400)	*7500 (16500)	*7500 (16500)		
-1.5 m (-5')		5350 (11800)	3550 (7800)	5350 (11800)	3550 (7800)	7300 (16100)	4700 (10300)	11450 (25200)	6950 (15300)	*12050 (26500)	*12050 (26500)	*7600 (16700)	*7600 (16700)
-3.0 m (-10')		6400 (14100)	4150 (9100)			7350 (16200)	4750 (10500)	11500 (25300)	7000 (15400)	*18550 (40800)	13250 (29200)	*12350 (27200)	*12350 (27200)
-4.6 m (-15')		*9000 (19800)	5900 (13000)					*10800 (23800)	7150 (15700)	*15100 (33200)	13600 (29900)		

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210LC-11 (USA source)

Conditions:

Boom: 5700 mm (18'8"), Bucketless, Counterweight: 4370 kg (9,634 lb) Lifting mode: ON

unit :kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'7"), Shoes: 700 mm (28")											
7.6 m (25')		*4100 (9100)	*4100 (9100)								
6.1 m (20')		*3850 (8500)	*3850 (8500)			*6550 (14400)	6100 (13500)				
4.6 m (15')		*3800 (8450)	*3800 (8450)	*5250 (11600)	4300 (9500)	*7200 (15850)	5950 (13200)	*8000 (17700)	*8000 (17700)		
3.0 m (10')		*3950 (8700)	3700 (8250)	6200 (13650)	4200 (9300)	*8250 (18200)	5750 (12700)	*10350 (22850)	8650 (19100)	*12850 (28300)	*12850 (28300)
1.5 m (5')		*4200 (9350)	3600 (8000)	6050 (13400)	4100 (9050)	8400 (18500)	5550 (12200)	*12550 (27700)	8150 (18050)		
0 m (0')		*4750 (10450)	3700 (8150)	6000 (13200)	4000 (8900)	8200 (18100)	5350 (11850)	12850 (28300)	7900 (17450)	*7450 (16500)	*7450 (16500)
-1.5 m (-5')		*5650 (12550)	4000 (8800)	*5850 (12950)	4000 (8850)	8150 (17950)	5300 (11700)	12750 (28100)	7800 (17300)	*12000 (26500)	*12000 (26500)
-3.0 m (-10')		7100 (15650)	4700 (10400)			8150 (18050)	5350 (11850)	12800 (28250)	7900 (17400)	*18500 (40850)	14950 (33000)
-4.6 m (-15')		*8900 (19700)	6650 (14700)					*10650 (23500)	8100 (17850)	*14950 (39500)	*14950 (39500)
Arm length 2900 mm (9'7"), Shoes: 800 mm (31.5") Lifting mode: ON											
7.6 m (25')		*4100 (9100)	*4100 (9100)								
6.1 m (20')		*3850 (8500)	*3850 (8500)			*6550 (14400)	6150 (13650)				
4.6 m (15')		*3800 (8450)	*3800 (8450)	*5250 (11600)	4350 (9600)	*7200 (15850)	6050 (13300)	*8000 (17700)	*8000 (17700)		
3.0 m (10')		*3950 (8700)	3750 (8300)	6250 (13800)	4250 (9400)	*8250 (18200)	5800 (12850)	*10350 (22850)	8750 (19250)	*12850 (28300)	*12850 (28300)
1.5 m (5')		*4200 (9350)	3650 (8050)	6150 (13350)	4150 (9150)	8500 (18700)	5600 (12350)	*12550 (27700)	8250 (18250)		
0 m (0')		*4750 (10500)	3700 (8250)	6050 (13350)	4050 (9000)	8300 (18300)	5450 (12000)	12950 (28600)	8000		
-1.5 m (-5')		_(17650)	*7450 (16500)	*7450 (16500)							
-3.0 m (-10')		*5650 (12550)	4050 (8900)	*5850 (12950)	4050 (8950)	8200 (18150)	5350 (11850)	12850 (28400)	7900 (17450)	*12000 (26500)	*12000 (26500)
-4.6 m (-15')		7150 (15850)	4750 (10500)			8250 (18250)	5400 (11900)	12950 (28550)	7950 (17600)	*18500 (40850)	15100 (33350)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210LC-11 (UK source)

Conditions: One-piece boom: 5700 mm, Bucketless, Shoes:700 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm													
	7.5 m	*6100	*6100										
	6.0 m	*5700	4830			*7200	5770	7430	7430				
	4.5 m	*5660	4070			*7810	5620	*9080	8810	*12410	*12410		
	3.0 m	5520	3710	5870	3940	8220	5390	*11420	8060				
	1.5 m	5370	3590	5770	3840	7970	5180	12480	7610				
	0 m	5530	3670	5700	3780	7810	5040	12230	7380				
	-1.5 m	6100	4020			7760	4990	12190	7380	*12410	*12410		
	-3.0 m	7520	4880			7850	5070	12310	7470	*17480	14310		
Arm length 2900 mm													
	7.5 m	*4060	*4060			*4660	*4660						
	6.0 m	*3820	*3820			*6500	5840						
	4.5 m	*3800	3700	*5770	4050	*7210	5670	*8140	*8140				
	3.0 m	*3930	3400	5890	3940	8260	5430	*10510	8180				
	1.5 m	*4210	3290	5760	3820	4980	5180	12560	7660				
	0 m	*4720	3350	5650	3730	7780	5000	12210	7370	*7200	*7200		
	-1.5 m	5480	3620	5620	3700	7690	4920	12100	7280	*11680	*11680	*7480	*7480
	-3.0 m	6520	4250			7730	4950	12170	7340	*17930	14040	*12100	*12100
	-4.5 m	*8800	5940					*10890	7560	*15170	14430		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210NLC-11 (UK source)

Conditions: One-piece boom: 5700 mm, Bucketless, Shoes: 500 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm													
	7.5 m	*5950	5550										
	6.0 m	*5600	4000			*7050	4800	*7300	*7300				
	4.5 m	*5600	3350			*7700	4650	*8950	7100	*12300	*12300		
	3.0 m	5400	3050	5750	3200	8050	4400	*11300	8550				
	1.5 m	5250	2900	5650	3100	7800	4200	12250	6100				
	0 m	5400	2950	5550	3050	7650	4050	11750	5900				
	-1.5 m	6000	3250			7600	4000	11750	5900	*12750	10900		
	-3.0 m	7450	4000			7700	4100	12100	6000	*17200	11100		
Arm length 2900 mm													
	7.5 m	*4000	*4000			*4650	*4650						
	6.0 m	*3800	3550			*6400	4900						
	4.5 m	*3750	3050	*5750	3350	*7100	4750	*8050	7300				
	3.0 m	*3900	2800	5800	3250	8150	4500	*10400	6700				
	1.5 m	*4200	2650	5650	3100	7850	4250	12400	6200				
	0 m	*4700	2700	5550	3000	4650	4050	11750	5900	*7200	*7200		
	-1.5 m	5400	2950	5500	3000	7550	3950	11750	5800	*11700	10650	*7500	*7500
	-3.0 m	6400	3450			7600	4000	12000	5850	*17950	10850	*12100	*12100
	-4.5 m	*8650	4850					*10700	6100	*14900	11250		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210LC-10 (Japan source)

Conditions: Boom: 5700 mm (18'8"), Shoes: 700 mm (28")

unit :kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7") Bucket (SAE): 0.80m ³ (1.05cu.yd)													
7.6 m (25')		*2950 (6500)	*2950 (6500)			*3600 (7900)	*3600 (7900)						
6.1 m (20')		*2800 (6200)	*2800 (6200)			*5250 (11600)	4950 (10900)						
4.6 m (15')		*2800 (6200)	*2800 (6200)	*4850 (10700)	3250 (7200)	*6050 (13300)	4800 (10600)	*6700 (14700)	*6700 (14700)				
3.0 m (10')		*2950 (6500)	2600 (5700)	4950 (10900)	3150 (6900)	7250 (16000)	4550 (10000)	*9300 (20500)	7200 (15800)	*13700 (30100)	*13700 (30100)		
1.5 m (5')		*3250 (7200)	2450 (5400)	4850 (10700)	3000 (6600)	6950 (15300)	4300 (9500)	11300 (24900)	6700 (14700)	*7350 (16200)	*7350 (16200)		
0 m (0')		*3750 (8300)	2500 (5500)	4750 (10500)	2900 (6400)	6750 (14900)	4150 (9100)	10950 (24100)	6400 (14100)	*5500 (12100)	*5500 (12100)		
-1.5 m (-5')		4500 (9900)	2750 (6100)	4700 (10300)	2850 (6300)	6650 (14600)	4050 (8900)	10750 (23700)	6250 (13800)	*9650 (21200)	*9650 (21200)	*5300 (11700)	*5300 (11700)
-3.0 m (-10')		5400 (11900)	3300 (7300)			6650 (14600)	4050 (8900)	10800 (23800)	6300 (13900)	*16650 (36600)	12600 (27700)	*9950 (21900)	*9950 (21900)
-4.6 m (-15')		7800 (17200)	4700 (10300)					*11000 (24200)	6450 (14200)	*15700 (34500)	12900 (28400)		
Arm length 2925 mm (9'7") Bucketless													
7.6 m (25')		*4150 (9100)	*4150 (9100)										
6.1 m (20')		*3850 (8500)	*3850 (8500)			*6600 (14500)	5450 (12000)						
4.6 m (15')		*3850 (8500)	3600 (7900)	*5250 (11600)	3800 (8400)	*7250 (16000)	5350 (11800)	*8100 (17800)	*8100 (17800)				
3.0 m (10')		*3950 (8700)	3300 (7300)	5550 (12200)	3750 (8300)	7800 (17200)	5100 (11200)	*10450 (23000)	7700 (16900)	*12850 (28300)	*12850 (28300)		
1.5 m (5')		*4250 (9400)	3200 (7000)	5450 (12000)	3650 (8000)	7550 (16600)	4900 (10800)	11850 (26100)	7250 (16000)				
0 m (0')		*4750 (10500)	3250 (7200)	5400 (11900)	3550 (7800)	7400 (16300)	4750 (10500)	11550 (25400)	7000 (15400)	*7500 (16500)	*7500 (16500)		
-1.5 m (-5')		5350 (11800)	3550 (7800)	5350 (11800)	3550 (7800)	7300 (16100)	4700 (10300)	11450 (25200)	6900 (15200)	*12050 (26500)	*12050 (26500)	*7600 (16700)	*7600 (16700)
-3.0 m (-10')		6400 (14100)	4150 (9100)			7350 (16200)	4700 (10300)	11500 (25300)	6950 (15300)	*18550 (40800)	13250 (29200)	*12350 (27200)	*12350 (27200)
-4.6 m (-15')		*9000 (19800)	5900 (13000)					*10800 (23800)	7150 (15700)	*15100 (33200)	13600 (29900)		

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210LC-10M0 (Japan source)

Boom: 5700 mm, Arm: 292:5 mm, Without bucket

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Shoes: 600 mm													
7.5 m		*3850	*3850			*4450	*4450						
6.0 m		*3600	*3600			*5150	5100						
4.5 m		*3550	3100	5300	3400	*5750	4900	*6500	*6500				
3.0 m		*3700	2800	5200	3300	*6600	4650	*8450	7150				
1.5 m		*3950	2700	5050	3200	7100	4400	*10250	6600				
0 m		4400	2750	4950	3100	6900	4200	10950	6300	*7000	*7000		
-1.5 m		4800	3000	4950	3050	6800	4150	10850	6250	*11450	*11450	*7250	*7250
-3.0 m		5750	3550			6850	4200	*10700	6300	*15200	12300	*11900	*11900
-4.5 m		*7000	5100					*8700	6550	*12200	*12200		
Shoes: 700 mm													
7.5 m		*3850	*3850			*4450	*4450						
6.0 m		*3600	*3600			*5150	*5150						
4.5 m		*3550	3150	*5400	3450	*5750	5000	*6500	*6500				
3.0 m		*3700	2850	5300	3350	*6600	4750	*8450	7250				
1.5 m		*3950	2750	5150	3250	7250	4500	*10250	6750				
0 m		*4450	2800	5050	3150	7050	4300	11200	6450	*7000	*7000		
-1.5 m		4900	3050	5050	3100	6950	4200	11100	6350	*11450	*11450	*7250	*7250
-3.0 m		5900	3650			7000	4250	*10700	6400	*15200	12500	*11900	*11900
-4.5 m		*7000	5200					*8700	6650	*12200	*12200		
Shoes: 800 mm													
7.5 m		*3850	*3850			*4450	*4450						
6.0 m		*3600	*3600			*5150	*5150						
4.5 m		*3550	3200	*5400	3500	*5750	5050	*6500	*6500				
3.0 m		*3700	2900	5350	3400	*6600	4800	*8450	7350				
1.5 m		*3950	2800	5250	3300	7350	4550	*10250	8800				
0 m		*4450	2850	5150	3200	7150	4350	*11250	6500	*7000	*7000		
-1.5 m		4950	3100	5100	3150	7050	4300	11200	6450	*11450	*11450	*7250	*7250
-3.0 m		5950	3700			7100	4300	*10700	6500	*15200	12650	*11900	*11900
-4.5 m		*7000	5250					*8700	6750	*12200	*12200		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210-8M0 (India source)Conditions: Boom: 5700 mm, Bucket (SAE): 1.05 m³, Shoes: 600 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm													
	7.5 m	*2800	*2800			*4150	*4150						
	6.0 m	*2650	*2600	*3450	2800	*4250	*4250						
	4.5 m	*2650	2150	4150	2750	*4850	4150	*5400	*5400				
	3.0 m	*2750	1950	4000	2600	*5800	3900	*7350	6200	*11450	*11450		
	1.5 m	2950	1850	3850	2500	5550	3600	8900	5600	*6350	*6350		
	0 m	3000	1850	3700	2350	5300	3400	8450	5200	*7200	*7200		
	-1.5 m	3250	2050	3650	2300	5200	3250	8250	5050	*10450	*10450	*6300	*6300
	-3.0 m	3900	2450			5200	3250	8300	5100	*15250	11900	*10050	*10050
	-4.5 m	5400	3450					8550	5300	*12950	12350		
Arm length 2400 mm													
	7.5 m	*4150	*4150										
	6.0 m	*3950	3450			*4750	*4750						
	4.5 m	*3950	2850	4950	3100	*5350	4650	*6200	*6200				
	3.0 m	4150	2550	4850	3000	*6200	4350	*8050	6900				
	1.5 m	4050	2450	4700	2850	6750	4100	*9800	6350				
	0 m	4150	2500	4600	2750	6550	3900	10550	6000	*6750	*6750		
	-1.5 m	4600	2750	4600	2750	6450	3850	10550	5950	*11600	*11600	*7300	*7300
	-3.0 m	5650	3400			6550	3900	10150	6050	*14500	12100	*12150	*12150
	-4.5 m	*6300	5150					*8100	6300	*11500	*11500		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210LC-8M0 (India source)Conditions: Boom: 5700 mm, Bucket (SAE): 1.05 m³, Shoes: 600 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm													
	7.5 m	*2800	*2800			*4150	*4150						
	6.0 m	*2650	*2650	*3450	3200	*4250	*4250						
	4.5 m	*2650	2500	*4550	3150	*4850	4750	*5400	*5400				
	3.0 m	*2750	2250	4900	3050	*5800	4450	*7350	7100	*11450	*11450		
	1.5 m	*3000	2200	4750	2900	*6750	4150	*9250	6450	*6350	*6350		
	0 m	*3400	2200	4600	2750	6600	3950	*10450	6050	*7200	*7200		
	-1.5 m	4050	2400	4550	2700	6450	3800	10450	5900	*10450	*10450	*6300	*6300
	-3.0 m	4800	2900			6450	3850	*10450	5950	*15250	11900	*10050	*10050
	-4.5 m	*6300	4000					*9000	6150	*12950	12350		
Arm length 2400 mm													
	7.5 m	*4150	*4150										
	6.0 m	*3950	*3450			*4750	*4750						
	4.5 m	*3950	2850	4950	3100	*5350	4650	*6200	*6200				
	3.0 m	4150	2550	4850	3000	*6200	4350	*8050	6900				
	1.5 m	4050	2450	4700	2850	6750	4100	*9800	6350				
	0 m	4150	2500	4600	2750	6550	3900	10550	6000	*6750	*6750		
	-1.5 m	4600	2750	4600	2750	6450	3850	10550	5950	*11600	*11600	*7300	*7300
	-3.0 m	5650	3400			6550	3900	*10550	6050	*14500	12100	*12150	*12150
	-4.5 m	*6300	5150					*8100	6300	*11500	*11500		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC210NLC-8 (Russia source)Conditions: Boom:5700 mm, Bucket (SAE): 0.80 m³, Shoes: 500 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm													
	7.5 m	*2800	*2800			*4150	*4150						
	6.0 m	*2650	2550	*3450	2750	*4250	*4250						
	4.5 m	*2650	2150	*4550	2700	*4850	4100	*5400	*5400				
	3.0 m	*2750	1900	4950	2600	*5800	3800	*7350	6050	*11450	*11450		
	1.5 m	*3000	1800	3800	2450	*6750	3550	*9250	5350	*6350	*6350		
	0 m	*3400	1850	4650	2350	6650	3300	*10450	5100	*7200	*7200		
	-1.5 m	4100	2000	4600	2300	6500	3150	10600	4800	*10450	8800	*6300	*6300
	-3.0 m	4850	2400			6550	3200	*10450	4950	*15250	9600	*10050	*10050
	-4.5 m	*6300	3400					*9000	5150	*12950	10000		
Arm length 2410 mm													
	7.5 m	*4150	4150										
	6.0 m	*3950	2950			*4750	4150						
	4.5 m	*3950	2450	*4950	2650	*5350	4000	*6200	*6200				
	3.0 m	*4200	2150	4900	2550	*6200	3750	*8050	5850				
	1.5 m	4100	2050	4750	2400	6850	3500	*9800	5200				
	0 m	4200	2100	4650	2350	6650	3300	10700	5050	*6750	*6750		
	-1.5 m	4650	2300	4650	2300	6550	3200	10600	4800	*11600	8900	*7300	*7300
	-3.0 m	5700	2850			6600	3300	*10150	5050	*14500	9750	*12150	*12150
	-4.5 m	*6800	4350					*8100	5300	*11500	10250		
Arm length 1840 mm													
	7.5 m	*4950	*4950										
	6.0 m	*4550	3400			*5450	4050	*5750	*5750				
	4.5 m	*4550	2750			*5900	3950	*7100	6300	*10050	*10050		
	3.0 m	3650	2400	4850	2550	*6700	3700	*8900	5700				
	1.5 m	4500	2300	4750	2450	6800	3450	*10400	5100				
	0 m	4700	2350	4700	2400	6600	3300	10650	5000				
	-1.5 m	5250	2650			6600	3250	10650	4850	*12100	9050		
	-3.0 m	6750	3400			6800	3450	*9600	5200	*13150	10000		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC220-8 (Japan source)Conditions: Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3045 mm (10'0")													
7.6 m (25')	*3150 (7000)	*3150 (7000)			*4300 (9500)	*4300 (9500)							
6.1 m (20')	*3050 (6700)	*3050 (6700)	*4050 (8900)	3500 (7800)	*4500 (9900)	*4500 (9900)							
4.6 m (15')	*3050 (6700)	2750 (6000)	5050 (11100)	3450 (7600)	*5250 (11600)	*5200 (11400)							
3.0 m (10')	*3250 (7100)	2450 (5500)	4900 (10800)	3350 (7400)	*6450 (14200)	4900 (10800)	*8150 (17900)	7800 (17200)	*12850 (28300)	*12850 (28300)			
1.5 m (5')	*3550 (7800)	2350 (5200)	4750 (10400)	3200 (7000)	6850 (15100)	4600 (10100)	*10550 (23300)	7150 (15700)	*7400 (16300)	*7400 (16300)			
0 m (0')	3650 (8100)	2400 (5300)	4600 (10100)	3050 (6700)	6550 (14500)	4350 (9600)	10500 (23200)	6700 (14800)	*8400 (18500)	*8400 (18500)			
-1.5 m (-5')	4000 (8800)	2600 (5800)	4550 (10000)	3000 (6600)	6450 (14200)	4200 (9300)	10300 (22700)	6550 (14400)	*12000 (26400)	*12000 (26400)	*7450 (16400)	*7450 (16400)	
-3.0 m (-10')	4700 (10400)	3100 (6900)			6400 (14200)	4200 (9300)	10350 (22800)	6550 (14400)	*17300 (38100)	13100 (28900)	*11150 (25500)	*11150 (25500)	
-4.6 m (-15')	6500 (14300)	4300 (9500)			6600 (14500)	4350 (9600)	*10550 (23300)	6750 (14900)	*16550 (36500)	13500 (29800)			
Arm length 2500 mm (8'2")													
7.6 m (25')	*5150 (11400)	*5150 (11400)											
6.1 m (20')	*4850 (10700)	4100 (9100)			*5700 (12500)	5100 (11300)							
4.6 m (15')	4900 (10800)	3300 (7300)			*6350 (14000)	4950 (10900)	*7450 (16500)	*7450 (16500)	*10600 (23400)	*10600 (23400)			
3.0 m (10')	4400 (9700)	2950 (6500)	4750 (10400)	3200 (7000)	6900 (15200)	4650 (10300)	*9650 (21300)	7100 (15700)					
1.5 m (5')	4250 (9400)	2800 (6200)	4600 (10200)	3050 (6800)	6600 (14600)	4400 (9700)	10500 (23100)	6700 (14800)					
0 m (0')	4400 (9700)	2900 (6400)	4550 (10000)	3000 (6600)	6400 (14200)	4200 (9300)	10200 (22500)	6450 (14200)					
-1.5 m (-5')	4900 (10800)	3250 (7100)			6350 (14100)	4150 (9200)	10200 (22500)	6450 (14200)	*13950 (30800)	12900 (28400)			
-3.0 m (-10')	6200 (13700)	4100 (9100)			6500 (14300)	4300 (9400)	10400 (22900)	6600 (14600)	*16750 (36900)	13250 (29200)			
-4.6 m (-15')	*8900 (19500)	6800 (15000)					*9100 (20100)	7000 (15500)					
Arm length 2000 mm (6'7")													
7.6 m (25')	*4950 (11000)	*4950 (11000)			*5000 (11100)	*5000 (11100)							
6.1 m (20')	*4750 (10500)	3750 (8300)			*5100 (11300)	*5100 (11300)							
4.6 m (15')	4550 (10000)	3100 (6800)	4950 (10900)	3350 (7400)	*5850 (12900)	5050 (11100)	*6650 (14700)	*6650 (14700)					
3.0 m (10')	4100 (9100)	2750 (6100)	4800 (10600)	3250 (7200)	*6950 (15300)	4750 (10500)	*9000 (19900)	7500 (16600)					
1.5 m (5')	3950 (8700)	2600 (5800)	4650 (10300)	3100 (6900)	6700 (14800)	4450 (9900)	10700 (23600)	6900 (15200)					
0 m (0')	4050 (9000)	2700 (5900)	4550 (10000)	3000 (6600)	6450 (14300)	4250 (9400)	10300 (22800)	6550 (14500)	*7850 (17300)	*7850 (17300)			
-1.5 m (-5')	4500 (9900)	2950 (6500)	4500 (10000)	3000 (6600)	6400 (14100)	4200 (9200)	10200 (22500)	6450 (14300)	*13400 (29500)	12850 (28300)	*8650 (19000)	*8650 (19000)	
-3.0 m (-10')	5500 (12100)	3650 (8000)			6450 (14200)	4250 (9300)	10350 (22800)	6550 (14500)	*17900 (39500)	13100 (28900)	*14150 (31200)	*14150 (31200)	
-4.6 m (-15')	*8350 (18400)	5500 (12100)					*10250 (22600)	6650 (14700)	*14950 (32900)	13650 (30100)			

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC220-8M0 (Japan source)

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 600 mm (24")

unit: kg (lb)

B	A	MAX		7.5 m (25')		6.0 m (20')		4.5 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2000 mm (6'7")													
7.5 m (25')		*5400 (11900)	*5400 (11900)										
6.0 m (20')		*5150 (11400)	4200 (9300)			*5750 (12700)	5300 (11700)						
4.5 m (15')		5000 (11000)	3400 (7500)	5000 (11000)	3400 (7500)	*6500 (14300)	5050 (11100)	*7950 (17500)	*7950 (17500)	*11200 (24700)	*11200 (24700)		
3.0 m (10')		4500 (9900)	3050 (6700)	4900 (10800)	3300 (7300)	7100 (15650)	4800 (10600)	*10950 (24100)	7500 (16500)				
1.5 m (5')		4350 (9600)	2900 (6400)	4750 (10500)	3150 (6900)	6800 (15000)	4500 (9900)	10850 (23900)	6950 (15300)				
0 m (0')		4500 (9900)	2950 (6500)	4650 (10300)	3050 (6700)	6600 (14600)	4350 (9600)	10600 (23400)	6750 (14900)				
-1.5 m (-5')		5000 (11000)	3300 (7300)			6550 (14400)	4300 (9500)	10650 (23500)	6750 (14900)	*8900 (19600)	*8900 (19600)		
-3.0 m (-10')		6350 (14000)	4200 (9300)			6700 (14800)	4400 (9700)	10800 (23800)	6900 (15200)	*16650 (36700)	13950 (30800)		
-4.5 m (-15')		*8950 (19700)	6850 (15100)					*9550 (21100)	7200 (15900)				
Arm length 2500 mm (8'2")													
7.5 m (25')		*5300 (11700)	*5300 (11700)			*5250 (11600)	*5250 (11600)						
6.0 m (20')		*5100 (11200)	3900 (8600)			*5200 (11500)	*5200 (11500)						
4.5 m (15')		4700 (10400)	3200 (7100)	5150 (11400)	3500 (7700)	*6000 (13200)	5200 (11500)	*7100 (15700)	*7100 (15700)				
3.0 m (10')		4250 (9400)	2850 (6300)	5000 (11000)	3350 (7400)	7200 (15900)	4900 (10800)	*9900 (21800)	7750 (17100)				
1.5 m (5')		4100 (9000)	2750 (6050)	4800 (10600)	3200 (7100)	6900 (15200)	4600 (10100)	11050 (24400)	7100 (15700)				
0 m (0')		4200 (9300)	2750 (6100)	4700 (10400)	3100 (6800)	6700 (14800)	4400 (9700)	10700 (23600)	6800 (15000)				
-1.5 m (-5')		4600 (10100)	3050 (6700)	4650 (10300)	3050 (6700)	6600 (14600)	4300 (9500)	10600 (23400)	6700 (14800)	*10100 (22300)	*10100 (22300)	*8950 (19700)	*8950 (19700)
-3.0 m (-10')		5650 (12500)	3700 (8200)			6650 (14700)	4350 (9600)	10750 (23700)	6850 (15100)	*17950 (39600)	13900 (30600)	*10050 (22200)	*10050 (22200)
-4.5 m (-15')		8500 (18700)	5600 (12400)					*10700 (23600)	7100 (15700)	*15150 (33400)	14150 (31200)		
Arm length 3045 mm (9'12")													
7.5 m (25')		*3350 (7400)	*3350 (7400)			*4350 (9600)	*4350 (9600)						
6.0 m (20')		*3200 (7100)	*3200 (7100)	*4700 (10400)	3650 (8100)	*4450 (9800)	*4450 (9800)						
4.5 m (15')		*3250 (7200)	2750 (6100)	*5050 (11100)	3550 (7800)	*5300 (11700)	5300 (11700)						
3.0 m (10')		*3400 (7500)	2500 (5500)	5000 (11000)	3350 (7400)	*6600 (14600)	4950 (10900)	*8700 (19200)	7900 (17400)	*11950 (26350)	*11950 (26350)		
1.5 m (5')		3600 (7900)	2350 (5200)	4800 (10600)	3200 (7100)	6950 (15300)	4600 (10100)	10950 (24100)	7200 (15800)	*6750 (14900)	*6750 (14900)		
0 m (0')		3650 (8100)	2400 (5300)	4650 (10300)	3050 (6700)	6650 (14700)	4350 (9600)	10650 (23500)	6750 (14900)	*8250 (18190)	*8250 (18200)		
-1.5 m (-5')		4000 (8800)	2600 (5700)	4550 (10000)	3000 (6600)	6500 (14300)	4200 (9300)	10500 (23200)	6600 (14600)	*9850 (21700)	*9850 (21700)	*7650 (16900)	*7650 (16900)
-3.0 m (-10')		4700 (10400)	3100 (6800)	4600 (10100)	3000 (6600)	6500 (14300)	4200 (9300)	10550 (23300)	6650 (14700)	*17800 (39250)	13550 (29900)	*10600 (23400)	*10600 (23400)
-4.5 m (-15')		6450 (14200)	4250 (9400)			6700 (14800)	4400 (9700)	6900 (23800)	6900 (15200)	*16550 (36490)	14000 (30900)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC220-8M0 (Russia source)Conditions: Boom: 5850 mm, Bucket (SAE): 1.0 m³, Shoes: 600 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2000 mm													
	7.5 m	*5400	*5400										
	6.0 m	*5150	4200			*5750	5300						
	4.5 m	5000	3400	5000	3400	*6500	5050	*7950	*7950	*11200	*11200		
	3.0 m	4500	3050	4900	3300	7100	4800	*10950	7500				
	1.5 m	4350	2900	4750	3150	6800	4500	10850	6950				
	0 m	4500	2950	4650	3050	6600	4350	10600	6750				
	-1.5 m	5000	3300			6550	4300	10650	6750	*8900	*8900		
	-3.0 m	6350	4200			6700	4400	10800	6900	*16650	13950		
	-4.5 m	*8950	6850					*9550	7200				
Arm length 2500 mm													
	7.5 m	*5300	*5300			*5250	*5250						
	6.0 m	*5100	3900			*5200	*5200						
	4.5 m	4700	3200	5150	3500	*6000	5200	*7100	*7100				
	3.0 m	4250	2850	5000	3350	7200	4900	*9900	7750				
	1.5 m	4100	2750	4800	3200	6900	4600	11050	7100				
	0 m	4200	2750	4700	3100	6700	4400	10700	6800				
	-1.5 m	4600	3050	4650	3050	6600	4300	10600	6700	*10100	*10100	*8950	*8950
	-3.0 m	5650	3700			6650	4350	10750	6850	*17950	13900	*10050	*10050
	-4.5 m	8500	5600					*10700	7100	*15150	14150		
Arm length 3045 mm													
	7.5 m	*3350	*3350			*4350	*4350						
	6.0 m	*3200	*3200	*4700	3650	*4450	*4450						
	4.5 m	*3250	2750	*5050	3550	*5300	5300						
	3.0 m	*3400	2500	5000	3350	*6600	4950	*8700	7900	*11950	*11950		
	1.5 m	3600	2350	4800	3200	6950	4600	*10950	7200	*6750	*6750		
	0 m	3650	2400	4650	3050	6650	4350	10650	6750	*8250	*8250		
	-1.5 m	4000	2600	4550	3000	6500	4200	10500	6600	*9850	*9850	*7650	*7650
	-3.0 m	4700	3100	4600	3000	6500	4200	10550	6650	*17800	13550	*10600	*10600
	-4.5 m	6450	4250			6700	4400	10800	6900	*16550	*16500		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC220LC-8 (Japan source)Conditions: Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3045 mm (10'0")													
	7.6 m (25')	*3150 (7000)	*3150 (7000)			*4300 (9500)	*4300 (9500)						
	6.1 m (20')	*3050 (6700)	*3050 (6700)	*4050 (8900)	*4050 (8900)	*4500 (9900)	*4500 (9900)						
	4.6 m (15')	*3050 (6700)	*3050 (6700)	*5050 (11100)	4000 (8800)	*5250 (11600)	*5250 (11600)						
	3.0 m (10')	*3250 (7100)	2900 (6400)	*5650 (12500)	3850 (8500)	*6450 (14200)	5650 (12400)	*8150 (17900)	*8150 (17900)	*12850 (28300)	*12850 (28300)		
	1.5 m (5')	*3550 (7800)	2800 (6200)	5800 (12800)	3700 (8200)	*7700 (17000)	5350 (11700)	*10550 (23300)	8300 (18300)	*7400 (16300)	*7400 (16300)		
	0 m (0')	*4050 (9000)	2850 (6300)	5650 (12500)	3600 (7900)	8100 (17900)	5100 (11200)	*12200 (26900)	7900 (17400)	*8400 (18500)	*8400 (18500)		
	-1.5 m (-5')	4900 (10800)	3100 (6800)	5600 (12300)	3500 (7800)	7950 (17500)	4950 (10900)	*12900 (28400)	7700 (17000)	*12000 (26400)	12000 (26400)	*7450 (16400)	*7450 (16400)
	-3.0 m (-10')	5800 (12800)	3650 (8100)			7950 (17500)	4950 (10900)	*12700 (28000)	7750 (17000)	*17300 (38100)	15700 (34600)	*11500 (25500)	*11500 (25500)
	-4.6 m (-15')	*7950 (17600)	5050 (11100)			*8100 (17800)	5100 (11300)	*11350 (25100)	7950 (17500)	*16550 (36500)	16150 (35600)		
Arm length 2500 mm (8'2")													
	7.6 m (25')	*5150 (11400)	*5150 (11400)										
	6.1 m (20')	*4850 (10700)	4750 (10500)			*5700 (12500)	*5700 (12500)						
	4.6 m (15')	*4900 (10800)	3850 (8500)			*6350 (14000)	5700 (12500)	*7450 (16500)	*7450 (16500)	*10600 (23400)	*10600 (23400)		
	3.0 m (10')	*5200 (11500)	3450 (7600)	*5800 (12800)	3700 (8200)	*7350 (16300)	5400 (11900)	*9650 (21300)	8300 (18300)				
	1.5 m (5')	5200 (11500)	3300 (7300)	5650 (12500)	3600 (7900)	8150 (18000)	5100 (11300)	*11750 (25900)	7850 (17300)				
	0 m (0')	5400 (11900)	3400 (7500)	5600 (12300)	3500 (7700)	7950 (17500)	4950 (10900)	*12700 (28000)	7600 (16800)				
	-1.5 m (-5')	6050 (13300)	3800 (8400)			7900 (17400)	4900 (10800)	*12700 (28000)	7600 (16800)	*13950 (30800)	*13950 (30800)		
	-3.0 m (-10')	*7650 (16600)	4800 (10600)			8050 (17700)	5000 (11100)	*11800 (26100)	7750 (17100)	*16750 (36900)	*15850 (34900)		
	-4.6 m (-15')	*8900 (19600)	7950 (17500)					*9100 (20100)	8200 (18000)				
Arm length 2000 mm (6'7")													
	7.6 m (25')	*4950 (11000)	*4950 (11000)			*5000 (11100)	*5000 (11100)						
	6.1 m (20')	*4750 (10500)	4350 (9600)			*5100 (11300)	*5100 (11300)						
	4.6 m (15')	*4850 (10700)	3600 (7900)	*5500 (12200)	3900 (8600)	*5850 (12900)	5800 (12800)	*6650 (14700)	*6650 (14700)				
	3.0 m (10')	5050 (11100)	3250 (7100)	5900 (13000)	3800 (8400)	*6950 (15300)	5500 (12100)	*9000 (19900)	8700 (19200)				
	1.5 m (5')	4850 (10800)	3100 (5800)	5700 (12600)	3650 (8000)	*8100 (17900)	5200 (11500)	*11200 (24800)	8050 (17800)				
	0 m (0')	5000 (11100)	3150 (7000)	5600 (12400)	3550 (7800)	8000 (17600)	5000 (11000)	*12500 (27600)	7700 (17000)	*7850 (17300)	*7850 (17300)		
	-1.5 m (-5')	5550 (12200)	3500 (7700)	5550 (12300)	3500 (7700)	7900 (17400)	4900 (10800)	*12850 (28300)	7650 (16800)	*13400 (29500)	*13400 (29500)	*8650 (19000)	*8650 (19000)
	-3.0 m (-10')	6800 (14900)	4250 (9400)			7950 (17600)	4950 (10900)	*12300 (27100)	7700 (17000)	*17900 (39500)	15700 (34700)	*14150 (31200)	*14150 (31200)
	-4.6 m (-15')	*8750 (19300)	6400 (14100)					*10250 (22600)	7800 (17200)	*14950 (32900)	*14950 (32900)		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC220LC-8M0 (Japan source)

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 700 mm (27.5")

unit: kg (lb)

B	A	MAX		7.5 m (25')		6.0 m (20')		4.5 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2000 mm (6'7")													
7.5 m (25')		*5400 (11900)	*5400 (11900)										
6.0 m (20')		*5150 (11400)	4850 (10700)			*5750 (12700)	*5750 (12700)						
4.5 m (15')		*5200 (11500)	3950 (8700)	*6000 (13200)	3950 (8700)	*6500 (14300)	5850 (12900)	*7950 (17500)	*7950 (17500)	*11200 (24700)	*11200 (24700)		
3.0 m (10')		*5500 (12100)	3550 (7800)	6000 (13200)	3850 (8500)	*7650 (16900)	5550 (12200)	*10950 (24100)	8700 (19200)				
1.5 m (5')		5350 (11800)	3400 (7500)	5850 (12900)	3700 (8200)	8400 (18500)	5300 (11700)	*12200 (26900)	8150 (18000)				
0 m (0')		5500 (12100)	3500 (7700)	5750 (12700)	3600 (7900)	8200 (18100)	5100 (11200)	*13050 (28800)	7900 (17400)				
-1.5 m (-5')		6150 (13600)	3900 (8600)			8150 (18000)	5050 (11100)	*13000 (28700)	7950 (17500)	*8900 (19600)	*8900 (19600)		
-3.0 m (-10')		7800 (17200)	4900 (10800)			8250 (18200)	5150 (11400)	*12100 (26700)	8100 (17900)	*16650 (36700)	*16650 (36700)		
-4.5 m (-15')		*8950 (19700)	8000 (17600)					*9550 (21100)	8400 (18500)				
Arm length 2500 mm (8'2")													
7.5 m (25')		*5300 (11700)	*5300 (11700)			*5250 (11600)	*5250 (11600)						
6.0 m (20')		*5100 (11200)	4450 (9800)			*5200 (11500)	*5200 (11500)						
4.5 m (15')		*5200 (11500)	3700 (8200)	*5600 (12400)	4100 (9000)	*6000 (13200)	*6000 (13200)	*7100 (15700)	*7100 (15700)				
3.0 m (10')		5200 (11500)	3350 (7400)	6050 (12300)	3900 (8600)	*7250 (16000)	5650 (12500)	*9900 (21800)	8950 (19700)				
1.5 m (5')		5000 (11000)	3200 (7100)	5900 (13000)	3750 (8300)	8450 (18600)	5350 (11800)	*12200 (26900)	8300 (18300)				
0 m (0')		5150 (11400)	3250 (7200)	5800 (12800)	3650 (8100)	8250 (18200)	5150 (11400)	*13050 (28800)	7950 (17500)				
-1.5 m (-5')		5700 (12600)	3600 (7900)	5750 (12700)	3600 (7900)	8150 (18000)	5050 (11100)	*13100 (28900)	7900 (17400)	*10100 (22300)	*10100 (22300)	*8950 (19700)	*8950 (19700)
-3.0 m (-10')		6950 (15300)	4350 (9600)			8200 (18100)	5100 (11200)	*12550 (27000)	8000 (17600)	*17950 (39600)	*16450 (36300)	*10050 (22200)	*10050 (22200)
-4.5 m (-15')		*8800 (19400)	6500 (14300)					*10700 (23600)	8300 (18300)	*15150 (33400)	*15150 (33400)		
Arm length 3045 mm (9'12")													
7.5 m (25')		*3350 (7400)	*3350 (7400)			*4350 (9600)	*4350 (9600)						
6.0 m (20')		*3200 (7100)	*3200 (7100)	*4700 (10400)	4200 (9300)	*4450 (9800)	*4450 (9800)						
4.5 m (15')		*3250 (7200)	3250 (7200)	*5050 (11100)	4100 (9000)	*5300 (11700)	*5300 (11700)						
3.0 m (10')		*3400 (7500)	2900 (6400)	*5650 (12500)	3900 (8600)	*6600 (14600)	5700 (12600)	*8700 (19200)	*8700 (19200)	*11950 (26400)	*11950 (26400)		
1.5 m (5')		*3750 (8300)	2800 (6200)	5900 (13000)	3750 (8300)	*7900 (17400)	5350 (11800)	*11300 (24900)	8400 (18500)	*6750 (14900)	*6750 (14900)		
0 m (0')		*4250 (9400)	2850 (6300)	5750 (12700)	3600 (7900)	8250 (18200)	5100 (11200)	*12650 (27900)	7950 (17500)	*8250 (18200)	*8250 (18200)		
-1.5 m (-5')		4950 (10900)	3100 (6800)	5650 (12500)	3550 (7800)	8050 (17800)	4950 (10900)	*12950 (28600)	7800 (17200)	*9850 (21700)	*9850 (21700)	*7650 (16900)	*7650 (16900)
-3.0 m (-10')		5800 (12800)	3650 (8100)	5700 (12600)	3550 (7800)	8050 (17800)	5000 (11000)	*12750 (28100)	7850 (17300)	*17800 (39200)	16250 (35800)	*10600 (23400)	*10600 (23400)
-4.5 m (-15')		*7900 (17400)	5000 (11000)			*8200 (18100)	5150 (11400)	*11550 (25500)	8100 (17900)	*16550 (36500)	*16550 (36500)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC220LC-8M0 (Russia source)Conditions: Boom: 5850 mm, Bucket (SAE): 1.0 m³, Shoes: 700 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2000 mm													
	7.5 m	*5400	*5400										
	6.0 m	*5150	4850			*5750	*5750						
	4.5 m	*5200	3950	*6000	3950	*6500	5850	*7950	*7950	*11200	*11200		
	3.0 m	*5500	3550	6000	3850	*7650	5550	*10950	8700				
	1.5 m	5350	3400	5850	3700	8400	5300	*12200	8150				
	0 m	5500	3500	5750	3600	8200	5100	*13050	7900				
	-1.5 m	6150	3900			8150	5050	*13000	7950	*8900	*8900		
	-3.0 m	7800	4900			8250	5150	*12100	8100	*16650	*16650		
	-4.5 m	*8950	8000					*9550	8400				
Arm length 2500 mm													
	7.5 m	*5300	*5300			*5250	*5250						
	6.0 m	*5100	4450			*5200	*5200						
	4.5 m	*5200	3700	*5600	4100	*6000	6000	*7100	*7100				
	3.0 m	5200	3350	6050	3900	*7250	5650	*9900	8950				
	1.5 m	5000	3200	5900	3750	8450	5350	*12200	8300				
	0 m	5150	3250	5800	3650	8250	5150	*13050	7950				
	-1.5 m	5700	3600	5750	3600	8150	5050	*13100	7900	*10100	*10100	*8950	*8950
	-3.0 m	6950	4350			8200	5100	*12550	8000	*17950	*16450	*10050	*10050
	-4.5 m	*8800	6500					*10700	8300	*15150	*15150		
Arm length 3045 mm													
	7.5 m	*3350	*3350			*4350	*4350						
	6.0 m	*3200	*3200	*4700	4200	*4450	*4450						
	4.5 m	*3250	3250	*5050	4100	*5300	*5300						
	3.0 m	*3400	2900	*5650	3900	*6600	5700	*8700	*8700	*11950	*11950		
	1.5 m	*3750	2800	5900	3750	*7900	5350	*11300	8400	*6750	*6750		
	0 m	*4250	2850	5750	3600	8250	5100	*12650	7950	*8250	*8250		
	-1.5 m	4950	3100	5650	3550	8050	4950	*12950	7800	*9850	*9850	*7650	*7650
	-3.0 m	5800	3650	5700	3550	8050	5000	*12750	7850	*17800	16250	*10600	*10600
	-4.5 m	*7900	5000			*8200	5150	*11550	8100	*16550	*16500		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC228USLC-11 (for EU)

Conditions: Boom: 5700 mm, Without bucket, Shoes: 700 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm													
	6.0 m	*5155	4275			*6615	5385						
	4.5 m	*5215	3615	5675	3725	*7305	5185	*8385	7895				
	3.0 m	5035	5285	5535	3605	7675	4875	*11055	7295				
	1.5 m	4875	3155	5385	3465	7395	4625	11455	6695				
	0 m	4975	3185	5275	3365	7175	4425	11075	6385	*8265	*8265		
	-1.5 m	5405	3435	5255	3345	7085	4345	10985	6305	*10565	*10565	*8975	*8975
	-3.0 m	6495	4055			7155	4405	11125	6425	*18305	12285	*13825	*13825
	-4.5 m	*9715	5885					*10945	6735	*15005	12525		
Arm length 2900 mm													
	6.0 m	*3640	*3640	*3990	3860								
	4.5 m	*3660	3330	5760	3800	*6740	5290						
	3.0 m	*3810	3060	5600	3660	7810	4990	*10090	7510	*14590	14010		
	1.5 m	*4100	2940	5430	3500	7490	4700	11680	6890	*7740	*7740		
	0 m	4590	2960	5300	3380	7230	4480	11200	6490	*6080	*6080		
	-1.5 m	4930	3150	5230	3320	7090	4360	11010	6330	*10190	*10190	*6060	*6060
	-3.0 m	5730	3610			7100	4370	11080	6390	*17170	12150	*10620	*10620
	-4.5 m	7840	4810					*11300	6600	*16750	12550		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC228USLC-10 (for USA)

Conditions: Boom: 5700 mm (18'8"), Shoes: 800 mm (32")

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7") Bucket (SAE): 0.80 m ³ (1.05 cu.yd)													
6.1 m (20')		*2800 (6200)	*2800 (6200)			*5200 (11400)	*5200 (11400)						
4.6 m (15')		*2800 (6200)	*2800 (6200)	*4850 (10700)	3650 (8000)	*5900 (13000)	5300 (11700)	*6500 (14300)	*6500 (14300)				
3.0 m (10')		*2950 (6500)	2950 (6500)	5800 (12800)	3550 (7800)	*7200 (15800)	5050 (11100)	*9250 (20400)	7900 (17400)	*14050 (30900)	*14050 (30900)		
1.5 m (5')		*3250 (7200)	2800 (6200)	5650 (12400)	3400 (7500)	8000 (17600)	4800 (10600)	*11750 (25900)	7400 (16300)	*6850 (15100)	*6850 (15100)		
0 m (0')		*3800 (8400)	2850 (6300)	5550 (12200)	3300 (7300)	7800 (17200)	4650 (10200)	12450 (27400)	7050 (15550)	*5200 (11400)	*5200 (11400)		
-1.5 m (-5')		*4700 (10300)	3100 (6800)	5500 (12100)	3300 (7300)	7700 (16900)	4550 (10000)	12250 (27000)	6950 (15300)	*9300 (20500)	*9300 (20500)	*5200 (11400)	*5200 (11400)
-3.0 m (-10')		6200 (13600)	3700 (8100)			7700 (16900)	4550 (10000)	12300 (27100)	6950 (15300)	*16250 (35800)	14350 (31600)	*9750 (21500)	*9750 (21500)
-4.6 m (-15')		*8600 (18900)	5350 (11800)					*11100 (24400)	7150 (15700)	*16150 (35500)	*14600 (32100)		
Arm length 2925 mm (9'7") Without bucket													
6.1 m (20')		*3850 (8500)	*3850 (8500)			*6450 (14200)	5900 (13000)	*6350 (14000)	*6350 (14000)				
4.6 m (15')		*3800 (8400)	*3800 (8400)	*5250 (11600)	4200 (9200)	*7100 (15600)	5800 (12800)	*7850 (17300)	*7850 (17300)	*9700 (21300)	*9700 (21300)		
3.0 m (10')		*3950 (8700)	3600 (7900)	6300 (13900)	4100 (9000)	*8250 (18200)	5600 (12300)	*10300 (22700)	8300 (18300)				
1.5 m (5')		*4250 (9400)	3500 (7700)	6200 (13600)	4000 (8800)	8550 (18800)	5350 (11800)	*12500 (27500)	7850 (17300)				
0 m (0')		*4750 (10500)	3600 (7900)	6150 (13500)	3900 (8600)	8350 (18400)	5200 (11400)	12950 (28500)	7600 (16700)	*7200 (15800)	*7200 (15800)		
-1.5 m (-5')		*5650 (12400)	3850 (8500)	6100 (13400)	3900 (8600)	8300 (18300)	5150 (11300)	12850 (28300)	7550 (16600)	*11650 (25600)	*11650 (25600)	*7450 (16400)	*7450 (16400)
-3.0 m (-10')		7200 (15800)	4550 (10000)			8300 (18300)	5150 (11300)	12900 (28400)	7600 (16700)	*17900 (39400)	14900 (32800)	*12100 (26600)	*12100 (26600)
-4.6 m (-15')		*9150 (20100)	6500 (14300)					*10800 (23800)	7800 (17200)	*15500 (34100)	15300 (33700)		

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC228US-8 (Japan source)

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 600 mm (24")

unit :kg (lb)

B	A	MAX		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7")											
6.0 m (19')		*2820 (6200)	2670 (5900)	*3140 (6900)	2670 (5800)	*4290 (9400)	4090 (9000)				
4.5 m (14')		*2840 (6200)	2220 (4900)	4090 (9000)	2620 (5700)	*4950 (10900)	3920 (8600)	*5530 (12200)	*5530 (12200)		
3.0 m (9')		*3000 (6600)	1980 (4300)	3970 (8700)	2510 (5500)	5780 (12700)	3690 (8100)	*7820 (17200)	5900 (13000)	*11680 (25700)	11430 (25200)
1.5 m (4')		3080 (6800)	1880 (4100)	3830 (8400)	2380 (5200)	5530 (12100)	3460 (7600)	8860 (19500)	5400 (11900)	*6880 (15100)	*6880 (15100)
0 m (0')		3150 (6900)	1910 (4200)	3740 (8200)	2290 (5000)	5330 (11700)	3280 (7200)	8490 (18700)	5080 (11200)	*5230 (11500)	*5230 (11500)
-1.5 m (-4')		3430 (7500)	2080 (4600)	3690 (8100)	2240 (4900)	5220 (11500)	3190 (7000)	8340 (18400)	4960 (10900)	*9330 (20500)	*9330 (20500)
-3.0 m (-9')		4100 (9000)	2510 (5500)			5220 (11500)	3180 (7000)	8370 (18400)	4990 (11000)	*14890 (32800)	9950 (21900)
-4.5 m (-14')		5810 (12800)	3570 (7800)					8570 (18900)	5160 (11300)	*13590 (29900)	10260 (22600)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC228USLC-8 (Japan source)

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 700 mm (27.5")

unit :kg (lb)

B	A	MAX		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7")											
6.0 m (19')		*2820 (6200)	*2820 (6200)	*3140 (6900)	3130 (6900)	*4290 (9400)	*4290 (9400)				
4.5 m (14')		*2840 (6200)	2630 (5800)	*4700 (10300)	3080 (6800)	*4950 (10900)	4560 (10000)	*5530 (12200)	*5530 (12200)		
3.0 m (9')		*3000 (6600)	2370 (5200)	5060 (11100)	2970 (6500)	*5990 (13200)	4320 (9500)	*7820 (17200)	6880 (15100)	*11680 (25700)	*11680 (25700)
1.5 m (4')		*3290 (7200)	2270 (5000)	4920 (10800)	2840 (6200)	7030 (15500)	4090 (9000)	*9990 (22000)	6370 (14000)	*6880 (15100)	*6880 (15100)
0 m (0')		*3800 (8300)	2310 (5000)	4820 (10600)	2750 (6000)	6870 (15100)	3900 (8600)	11020 (24200)	6040 (13300)	*5230 (11500)	*5230 (11500)
-1.5 m (-4')		4430 (9700)	2510 (5500)	4770 (10500)	2700 (5900)	6760 (14900)	3810 (8300)	10960 (24100)	5920 (13000)	*9330 (20500)	*9330 (20500)
-3.0 m (-9')		5290 (11600)	3000 (6600)			6750 (14800)	3800 (8300)	*10920 (24000)	5940 (13100)	*14890 (32800)	11990 (26400)
-4.5 m (-14')		*7030 (15500)	4240 (9300)					*9510 (20900)	6120 (13500)	*13590 (29900)	12180 (26800)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC230NHD-11 (UK source)

Conditions: One-piece Boom: 5700 mm, Without bucket, Shoes: 550 mm

unit :kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm													
	7.5 m	*6010	5530										
	6.0 m	*5620	4040			*7080	4870	*7350	*7350				
	4.5 m	5450	3380			7670	4720	*9000	7190	*12430	*12430		
	3.0 m	4980	3070	5300	3270	7410	4490	*11330	6640				
	1.5 m	4830	2960	5190	3170	7160	4270	11060	6200				
	0 m	4980	3030	5120	3110	7000	4130	10820	6010				
	-1.5 m	5510	3320			6950	4090	10790	5980	*12530	11010		
	-3.0 m	6810	4060			7050	4180	10920	6090	*17190	11220		
	-4.5 m												
Arm length 2900 mm													
	7.5 m	*4040	*4040			*4760	*4760						
	6.0 m	*3810	3640			*6450	4990						
	4.5 m	*3790	3110	5470	3420	*7160	4820	*8120	7370				
	3.0 m	*3920	2840	5350	2310	7490	4560	*10460	6790				
	1.5 m	*4210	2740	5220	3190	7210	4310	11160	6280				
	0 m	4570	2790	5120	3100	7000	4130	10810	5990	*7290	*7290		
	-1.5 m	4970	3010	5090	3070	6910	4050	10710	5910	*11800	10770	*7580	*7580
	-3.0 m	5930	3550			6960	4090	10790	5970	*18120	10970	*12220	*12220
	-4.5 m	8540	4990					*10660	6200	*14860	11360		

Conditions: Two-piece Boom Bucketless, Shoes: 550 mm

unit :kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm													
	7.5 m	*5800	5400					*7800	7750				
	6.0 m	*5350	3950			*6350	4850	*8000	7600				
	4.5 m	*5250	3300			*6700	4650	*9100	7150				
	3.0 m	5100	3000	5450	3200	*7350	4400	*11450	8550				
	1.5 m	4950	2900	5350	3100	7400	4200	11400	6100				
	0 m	5100	2950	5300	3050	7250	4050	11200	5900				
	-1.5 m	5650	3250			7200	4000	11150	5850	*12350	10850		
	-3.0 m												
Arm length 2900 mm													
	7.5 m	*3600	*3600			*4500	*4500	*6400	*6400				
	6.0 m	*3300	*3300			*5750	4700	*6850	*6850				
	4.5 m	*3200	2800	*4850	3100	*6000	4450	*8050	7000	*11150	*11150		
	3.0 m	3250	2500	*5000	2950	6600	4150	*9900	6300				
	1.5 m	3450	2400	5050	2800	7050	3850	11050	5750				
	0 m	3800	2450	4950	2700	6850	3650	10700	5450	*7250	*7250		
	-1.5 m	4450	2650	4890	2700	6750	3600	10600	5350	*11850	10100		
	-3.0 m												

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC238USLC-11 (for USA)

Conditions: Boom: 5700 mm (18'8"), Shoes: 800 mm (32")

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7") Bucket (SAE): 0.80 m ³ (1.05 cu.yd)													
6.1 m (20')		*2820 (6200)	*2820 (6200)										
4.6 m (15')		*2840 (6200)	*2840 (6200)	*4890 (10800)	3670 (8100)	*5940 (13100)	5300 (11700)						
3.0 m (10')		*2990 (6500)	2940 (6500)	5640 (12400)	3550 (7800)	*7220 (15900)	5060 (11100)	*9260 (20400)	7880 (17400)	*14050 (31000)	*14050 (31000)		
1.5 m (5')		*3290 (7200)	2830 (6200)	5500 (12100)	3430 (7500)	7820 (17200)	4830 (10600)	*11750 (25900)	7400 (16300)	*6880 (15100)	*6880 (15100)		
0 m (0')		*3800 (8300)	2880 (6300)	5400 (11900)	3340 (7300)	7620 (16800)	4650 (10200)	12120 (26700)	7070 (15600)	*5230 (11500)	*5230 (11500)		
-1.5 m (-5')		*4700 (10300)	3130 (6900)	5350 (11800)	3290 (7200)	7500 (16500)	4560 (10000)	11960 (26300)	6940 (15300)	*9340 (20600)	*9340 (20600)	*5230 (11500)	*5230 (11500)
-3.0 m (-10')		6050 (13300)	3710 (8200)			7500 (16500)	4550 (10000)	11990 (26400)	6970 (15300)	*16260 (35800)	14370 (31700)	*9780 (21500)	*9780 (21500)
-4.6 m (-15')		*8640 (19000)	5340 (11800)					*11120 (24500)	7160 (15800)	*16170 (35600)	*14580 (32100)		
Arm length 2925 mm (9'7") Without bucket													
6.1 m (20')		*3850 (8500)	*3850 (8500)			*6450 (14200)	5900 (13000)						
4.6 m (15')		*3800 (8400)	*3800 (8400)	*5250 (10700)	4200 (9200)	*7100 (15600)	5800 (12800)						
3.0 m (10')		*3950 (8700)	3600 (7900)	6150 (13500)	4100 (9000)	*8250 (18200)	5550 (12200)	*10300 (22700)	8300 (18300)				
1.5 m (5')		*4250 (9300)	3500 (7700)	6050 (13300)	4000 (8800)	8350 (18400)	5350 (11800)	*12500 (27500)	7850 (17300)				
0 m (0')		*4750 (10500)	3550 (7800)	5950 (13100)	3900 (8600)	8150 (18000)	5200 (11400)	12650 (27900)	7600 (16700)	*7200 (15900)	*7200 (15900)		
-1.5 m (-5')		*5650 (12400)	3850 (8500)	5950 (13100)	3900 (8600)	8100 (17800)	5150 (11300)	12550 (27700)	7550 (16600)	*11650 (25700)	*11650 (25700)	*7450 (16400)	*7450 (16400)
-3.0 m (-10')		7000 (15400)	4550 (10000)			8100 (17800)	5150 (11300)	12600 (27800)	7550 (16600)	*17900 (39400)	14900 (32800)	*12100 (26700)	*12100 (26700)
-4.6 m (-15')		*9150 (20200)	6500 (14300)					*10800 (23800)	7750 (17100)	*15500 (34200)	15250 (33600)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC240LC-11 (Japan source)

Conditions: Boom: 5850 mm (19'2"), Shoes: 700 mm (28")

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3045 mm (10'0") Bucket (SAE): 1.0m ³ (1.31cu.yd)													
7.6 m (25')		*3400 (7500)	*3400 (7500)			*4950 (10900)	*4950 (10900)						
6.1 m (20')		*3250 (7200)	*3250 (7200)	*4200 (9200)	*4200 (9200)	*5000 (11000)	*5000 (11000)						
4.6 m (15')		*3250 (7200)	*3250 (7200)	*5650 (12400)	4300 (9500)	*5900 (13000)	*5900 (13000)						
3.0 m (10')		*3450 (7600)	3200 (7000)	*6300 (13900)	4150 (9100)	*7250 (16000)	5950 (13100)	*9450 (20800)	9350 (20600)	*14200 (31200)	*14200 (31200)		
1.5 m (5')		*3750 (8300)	3100 (6800)	6100 (13400)	3950 (8700)	*8700 (19100)	5650 (12400)	*12300 (27100)	8800 (19400)	*7250 (16000)	*7250 (16000)		
0 m (0')		*4300 (9500)	3150 (6900)	6000 (13200)	3850 (8500)	8550 (18800)	5450 (12000)	13800 (30400)	8400 (18500)	*8550 (18800)	*8550 (18800)		
-1.5 m (-5')		*5250 (11600)	3400 (7500)	5900 (13000)	3800 (8400)	8400 (18500)	5300 (11700)	13750 (30300)	8250 (18200)	*11150 (24500)	*11150 (24500)	*5750 (12700)	*5750 (12700)
-3.0 m (-10')		6300 (13900)	4000 (8800)			8400 (18500)	5300 (11700)	*13750 (30300)	8250 (18200)	*18800 (41400)	16950 (37300)	*10900 (24000)	*10900 (24000)
-4.6 m (-15')		8750 (19300)	5550 (12200)			*8600 (18900)	5450 (12000)	*12500 (27500)	8500 (18700)	*18000 (39600)	*17150 (37700)		
Arm length 3045 mm (10'0") Without bucket													
7.6 m (25')		*4700 (10300)	*4700 (10300)			*5950 (13100)	*5950 (13100)						
6.1 m (20')		*4450 (9800)	*4450 (9800)			*6400 (14100)	*6400 (14100)						
4.6 m (15')		*4450 (9800)	4400 (9700)	*6900 (15200)	4950 (10900)	*7200 (15800)	6900 (15200)	*8050 (17700)	*8050 (17700)				
3.0 m (10')		*4600 (10100)	4050 (8900)	6950 (15300)	4800 (10600)	*8450 (18600)	6600 (14500)	*10700 (23500)	10000 (22000)				
1.5 m (5')		*4900 (10800)	3950 (8700)	6800 (15000)	4650 (10200)	9450 (20800)	6350 (14000)	*13200 (29000)	9400 (20700)				
0 m (0')		*5450 (12000)	4000 (8800)	6700 (14700)	4550 (10000)	9250 (20400)	6150 (13500)	14600 (32100)	9100 (20000)	*7850 (17300)	*7850 (17300)		
-1.5 m (-5')		6300 (13900)	4300 (9500)	6650 (14600)	4500 (9900)	9150 (20100)	6050 (13300)	14500 (31900)	9000 (19800)	*12850 (28300)	*12850 (28300)	*8250 (18200)	*8250 (18200)
-3.0 m (-10')		7450 (16400)	5050 (11100)			9150 (20100)	6050 (13300)	14550 (32000)	9050 (19900)	*19750 (43500)	17650 (38800)	*13450 (29600)	*13450 (29600)
-4.6 m (-15')		*9800 (21600)	6900 (15200)					*12600 (27700)	9250 (20400)	*17750 (39100)	*17750 (39100)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC240LC-11 (USA source)

Conditions: Boom: 5850 mm (19'2"), Without bucket

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3045 mm (10'0") Shoes: 700 mm (28")													
7.6 m (25')		*4700 (10400)	*4700 (10400)			*5950 (13200)	*5950 (13200)						
6.1 m (20')		*4450 (9800)	*4450 (9800)			*6400 (14100)	*6400 (14100)						
4.6 m (15')		*4450 (9800)	4400 (9700)	*6900 (15200)	4950 (10900)	*7200 (15900)	6900 (15200)	*8050 (17700)	*8050 (17700)				
3.0 m (10')		*4900 (10800)	4050 (8900)	6950 (15400)	4800 (10600)	*8450 (18700)	6600 (14600)	*10700 (23600)	10000 (22000)				
1.5 m (5')		*3750 (8250)	3950 (8700)	6800 (15000)	4650 (10300)	9450 (20900)	6350 (14000)	*13200 (29100)	9400 (20800)				
0 m (0')		*5450 (12100)	4000 (8800)	6700 (14600)	4550 (10100)	9250 (20500)	6150 (13500)	14600 (32200)	9100 (20100)	*7850 (17300)	*7850 (17300)		
-1.5 m (-5')		6300 (13900)	4300 (9500)	6650 (14700)	4500 (10000)	9150 (20200)	6050 (13300)	14500 (32000)	9000 (19800)	*12850 (28400)	*12850 (28400)	*8250 (18200)	*8250 (18200)
-3.0 m (-10')		7450 (16400)	5050 (11100)			9150 (20200)	6050 (13400)	14550 (32100)	9050 (19900)	*19750 (43600)	17650 (38900)	*13450 (29700)	*13450 (29700)
-4.6 m (-15')		*9800 (21700)	6900 (15200)					*12600 (27700)	9250 (20400)	*17750 (39100)	*17750 (39100)		
Arm length 3045 mm (10'0") Shoes: 800 mm (31.5")													
7.6 m (25')		*4700 (10400)	*4700 (10400)			*5950 (13200)	*5950 (13200)						
6.1 m (20')		*4450 (9800)	*4450 (9800)			*6400 (14100)	*6400 (14100)						
4.6 m (15')		*4450 (9800)	4400 (9800)	*6900 (15200)	5000 (11000)	*7200 (15900)	6950 (15300)	*8050 (17700)	*8050 (17700)				
3.0 m (10')		*4600 (10100)	4100 (9000)	7050 (15500)	4850 (10700)	*8450 (18700)	6650 (14700)	*10700 (23600)	10100 (22200)				
1.5 m (5')		*4900 (10800)	3950 (8800)	6900 (15200)	4700 (10400)	9550 (21100)	6400 (14100)	*13200 (29100)	9500 (21000)				
0 m (0')		*5450 (12100)	4050 (8900)	6750 (14900)	4600 (10200)	9350 (20600)	6200 (13700)	14700 (32400)	9200 (20300)	*7850 (17300)	*7850 (17300)		
-1.5 m (-5')		6400 (14100)	4350 (9600)	6750 (14800)	4550 (10100)	9250 (20400)	6100 (13500)	14650 (32300)	9000 (19850)	*12850 (28400)	*12850 (28400)	*8250 (18200)	*8250 (18200)
-3.0 m (-10')		7550 (16600)	5100 (11200)			9250 (20400)	6100 (13500)	*14550 (32100)	9150 (20100)	*19750 (43600)	17850 (39300)	*13450 (29700)	*13450 (29700)
-4.6 m (-15')		*9800 (21700)	6950 (15400)					*12600 (27700)	9350 (20600)	*17750 (39100)	*17750 (39100)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC240LC-11 (UK source)

Conditions: One-piece boom: 5850 mm, Without bucket, Shoes: 700 mm

unit :kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm													
6.0 m		*3870	*3870	*5520	5100	*5740	*5740						
4.5 m		*3860	*3860	*6380	5000	*6630	*6630						
3.0 m		*3990	3700	*7050	4840	*7950	6690	*9860	*9860	*15240	*15240		
1.5 m		*4250	3580	6890	4660	*9340	6350	*12530	9500				
0 m		*4710	3630	6730	4510	9320	6080	*14310	9050	*8510	*8510		
-1.5 m		*5490	3870	6640	4440	9160	5940	14570	8870	*12140	*12140	*7760	*7760
-3.0 m		6590	4410	6670	4460	9140	5930	14590	8880	*17390	*17390	*11910	*11910
-4.5 m		8640	5690			9310	6070						
Arm length 3000 mm													
6.0 m		*4460	*4460	*4990	*4990	*6370	*6370						
4.5 m		*4440	4290	*6870	4970	*7240	6960	*8150	*8150				
3.0 m		*4590	3960	7070	4830	*8520	6650	*10840	10080				
1.5 m		*4910	3850	6900	4680	9600	6340	*13340	9440				
0 m		*5480	3910	6770	4560	9360	6130	*14800	9100	*7560	*7560		
-1.5 m		6220	4210	6710	4510	9240	6030	14700	8990	*12510	*12510	*8160	*8160
-3.0 m		7310	4890			9270	6050	*14660	9040	*19180	17770	*13240	*13240
Arm length 2500 mm													
6.0 m		*6610	5530			*7080	7050						
4.5 m		*6620	4710	7130	4890	*7880	6840	*9180	*9180				
3.0 m		6300	4310	7000	4770	*9090	6550	*11850	9830				
1.5 m		6130	4270	6860	4640	9510	6270	*14080	9280				
0 m		6310	4270	6760	4550	9310	6090	14750	9030				
-1.5 m		6930	4660			9250	6030	14710	9000	*13550	*13550		
-3.0 m		8460	5600			9340	6110	*14160	9120	*19730	17970		
Arm length 2000 mm													
6.0 m		*7010	6100			*7810	6980	*8190	*8190				
4.5 m		*6960	5110			*8500	6800	*10170	*10170				
3.0 m		6800	4650	7000	4780	*9630	6520	*12840	9700				
1.5 m		6620	4510	6890	4680	9520	6280	*14770	9240				
0 m		6860	5130			9370	6150	14820	9100				
-1.5 m		7650	5130			9350	6130	14850	9130	*13800	*13800		
-3.0 m													

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC240NLC-11 (UK source)

Conditions: One-piece boom: 5700 mm, Without bucket, Shoes: 600 mm

unit :kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm													
6.0 m		*3870	*3870	*5520	4580	*5740	*5740						
4.5 m		*3860	3560	*6380	4480	*6630	6300						
3.0 m		*3990	3290	6420	4320	*7950	5970	*9860	9050	*15240	*15240		
1.5 m		*4250	3180	6230	4140	8660	5630	*12530	8350				
0 m		*4710	3220	6070	4000	8370	5370	13120	7910	*8510	*8510		
-1.5 m		5180	3430	5990	3920	8220	5240	12910	7740	*12140	*12140	*7760	*7760
-3.0 m		5950	3910	6010	3950	8200	5220	12920	7750	*17390	14820	*11910	*11910
-4.5 m		7770	5030			8360	5360						
Arm length 3000 mm													
6.0 m		*4460	4420	*4990	4520	*6370	*6370						
4.5 m		*4440	3830	6560	4450	*7240	6240	*8150	*8150				
3.0 m		*4590	3530	6410	4320	*8520	5930	*10840	8920				
1.5 m		*4910	3420	6240	4160	8650	5630	*13340	8300				
0 m		5210	3480	6120	4050	8410	5420	13160	7960	*7560	*7560		
-1.5 m		5630	3730	6060	4000	8300	5320	13030	7860	*12510	*12510	*8160	*8160
-3.0 m		6600	4340			8320	5340	13100	7910	*19180	15150	*13240	*13240
Arm length 2500 mm													
6.0 m		*6610	4950			*7080	6320						
4.5 m		6620	4210	6470	4370	*7880	6120	*9180	*9180				
3.0 m		5710	3840	6340	4260	8870	5830	*11850	8680				
1.5 m		5550	3710	6200	4130	8570	5560	13370	8140				
0 m		5710	3790	6110	4040	8370	5380	13090	7900				
-1.5 m		6260	4130			8310	5330	13050	7870	*13550	*13550		
-3.0 m		7620	4960			8390	5400	13180	7980	*19730	15330		
Arm length 2000 mm													
6.0 m		*7010	5460			*7810	6250	*8190	*8190				
4.5 m		6770	4570			*8500	6080	*10170	9230				
3.0 m		6170	4150	6340	4260	8840	5810	*12840	8560				
1.5 m		6000	4010	6230	4160	8570	5570	13320	8110				
0 m		6200	4120			8420	5440	13150	7970				
-1.5 m		6910	4560			8400	5420	13180	8000	*13800	*13800		
-3.0 m													

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC240LC-10 (Japan source)

Conditions: Boom: 5850 mm (19'2"), Shoes: 700 mm (28")

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3045 mm (10'0") Bucket (SAE): 1.0m ³ (1.31cu.yd)													
7.6 m (25')		*3400 (7500)	*3400 (7500)			*4950 (10900)	*4950 (10900)						
6.1 m (20')		*3250 (7200)	*3250 (7200)	*4200 (9200)	*4200 (9200)	*5000 (11000)	*5000 (11000)						
4.6 m (15')		*3250 (7200)	*3250 (7200)	*5650 (12400)	4200 (9200)	*5850 (12900)	*5850 (12900)						
3.0 m (10')		*3400 (7500)	3150 (6900)	6200 (13600)	4050 (8900)	*7250 (16000)	5850 (12900)	*9450 (20800)	9200 (20200)	*14200 (31200)	*14200 (31200)		
1.5 m (5')		*3750 (8300)	3000 (6600)	6000 (13200)	3900 (8600)	8600 (18900)	5550 (12200)	*12250 (27000)	8650 (19000)	*7200 (15800)	*7200 (15800)		
0 m (0')		*4300 (9500)	3050 (6700)	5850 (12900)	3750 (8300)	8400 (18500)	5300 (11700)	13550 (29800)	8200 (18000)	*8550 (18800)	*8550 (18800)		
-1.5 m (-5')		5200 (11400)	3300 (7300)	5800 (12800)	3700 (8100)	8250 (18200)	5200 (11400)	13500 (29700)	8050 (17700)	*11150 (24500)	*11150 (24500)	*5750 (12700)	*5750 (12700)
-3.0 m (-10')		6150 (13500)	3950 (8700)			8250 (18200)	5150 (11300)	13550 (29800)	8100 (17800)	*18800 (41400)	16600 (36500)	*10900 (24000)	*10900 (24000)
-4.6 m (-15')		8550 (18800)	5400 (11900)			8450 (18600)	5350 (11800)	*12500 (27500)	8300 (18300)	*18000 (39600)	*16850 (37100)		
Arm length 3045 mm (10'0") Without bucket													
7.6 m (25')		*4700 (10300)	*4700 (10300)			*5950 (13100)	*5950 (13100)						
6.1 m (20')		*4450 (9800)	*4450 (9800)			*6400 (14100)	*6400 (14100)						
4.6 m (15')		*4450 (9800)	4300 (9500)	*6900 (15200)	4850 (10700)	*7200 (15800)	6750 (14900)	*8000 (17600)	*8000 (17600)				
3.0 m (10')		*4600 (10100)	3950 (8700)	6850 (15100)	4700 (10300)	*8450 (18600)	6500 (14300)	*10700 (23500)	9800 (21600)				
1.5 m (5')		*4900 (10800)	3850 (8500)	6700 (14700)	4600 (10100)	9300 (20500)	6200 (13600)	*13200 (29000)	9250 (20400)				
0 m (0')		*5450 (12000)	3900 (8600)	6600 (14500)	4450 (9800)	9100 (20000)	6000 (13200)	14350 (31600)	8900 (19600)	*7850 (17300)	*7850 (17300)		
-1.5 m (-5')		6200 (13600)	4200 (9200)	6550 (14400)	4450 (9800)	9000 (19800)	5900 (13000)	14250 (31400)	8800 (19400)	*12850 (28300)	*12850 (28300)	*8250 (18200)	*8250 (18200)
-3.0 m (-10')		7300 (16100)	4950 (10900)			9000 (19800)	5950 (13100)	14300 (31500)	8850 (19500)	*19750 (43500)	17300 (38100)	*13450 (29600)	*13450 (29660)
-4.6 m (-15')		*9800 (21600)	6750 (14900)					*12550 (27600)	9100 (20000)	*17750 (39100)	*17750 (39100)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC240LC-8 (Brazil source)

Conditions: Boom: 5850 mm (19'2"), Bucket (SAE): 1.01 m³ (1.32 cu.yd), Shoes: 700 mm (28")
 Lifting capacities, including bucket (730 kg), bucket linkage (200 kg) and bucket cylinder (140 kg) unit: kg (lb)

B	A	MAX		7.5 m (25')		6.0 m (20')		4.5 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3000 mm (9'10")													
6.0 m (20')		*3000 (6600)	*3000 (6600)	*4450 (9800)	4250 (9400)	*4900 (10800)	*4900 (10800)						
4.5 m (15')		*3050 (6700)	*3050 (6700)	*5550 (12200)	4200 (9200)	*5800 (12800)	*5800 (12800)						
3.0 m (10')		*3200 (7100)	2950 (6500)	*6250 (13700)	4050 (8900)	*7150 (15700)	5900 (13000)	*9050 (20000)	*9050 (20000)	*14450 (31800)	*14450 (31800)		
1.5 m (5')		*3550 (7800)	2850 (6200)	6050 (13300)	3850 (8500)	*8550 (18800)	5550 (12200)	*11700 (25800)	8650 (19000)	*6900 (15200)	*6900 (15200)		
0 m (0')		*4050 (8900)	2900 (6400)	5900 (13000)	3700 (8200)	8450 (18600)	5250 (11600)	*13500 (29700)	8150 (18000)	*8100 (17900)	*8100 (17900)		
-1.5 m (-5')		*4950 (10900)	3100 (6900)	5800 (12800)	3650 (8000)	8300 (18300)	5150 (11300)	13550 (29900)	8000 (17600)	*11650 (25700)	*11650 (25700)	*7350 (16200)	*7350 (16200)
-3.0 m (-10')		5850 (12900)	3700 (8100)			8250 (18200)	5100 (11300)	13600 (30000)	8000 (17700)	*16750 (37000)	16350 (36100)	*11350 (25100)	*11350 (25100)
-4.5 m (-15')		7950 (17600)	5000 (11000)			8450 (18600)	5300 (11500)	*12650 (27900)	8200 (18100)	*18350 (40500)	16850 (37100)		
Arm length 3500 mm (11'6")													
6.0 m (20')		*2350 (5200)	*2350 (5200)	*4050 (9000)	*4050 (9000)								
4.5 m (15')		*2400 (5300)	*2400 (5300)	*5050 (11200)	4200 (9300)	*5200 (11500)	*5200 (11500)						
3.0 m (10')		*2550 (5600)	*2550 (5600)	*5800 (12800)	4050 (8900)	*6550 (14400)	5950 (13100)	*8050 (17800)	*8050 (17800)	*11850 (26100)	*11850 (26100)		
1.5 m (5')		*2850 (6200)	2650 (5800)	6050 (13300)	3850 (8500)	*8000 (17600)	5550 (12200)	*10850 (24000)	8750 (19300)	*10850 (23900)	*10850 (23900)		
0 m (0')		*3300 (7300)	2650 (5900)	5850 (12900)	3700 (8100)	8400 (18600)	5250 (11600)	*12900 (28500)	8150 (18000)	*9500 (20900)	*9500 (20900)	*4300 (9400)	*4300 (9400)
-1.5 m (-5')		*4050 (8900)	2850 (6300)	5750 (12600)	3600 (7900)	8150 (18000)	5000 (11000)	13500 (29700)	7900 (17400)	*11850 (26100)	*11850 (26100)	*7350 (16200)	*7350 (16200)
-3.0 m (-10')		5350 (11800)	3350 (7400)	5700 (12600)	3550 (7900)	8150 (18000)	5000 (11100)	13450 (29700)	7850 (17400)	*15650 (34500)	*15650 (34500)	*10600 (23300)	*10600 (23300)
-4.5 m (-15')		7050 (15500)	4400 (9700)			8250 (18200)	5100 (11300)	*13100 (28900)	8000 (17700)	*19350 (42600)	16500 (36300)	*14400 (31800)	*14400 (31800)
Arm length 2500 mm (8'2")													
6.0 m (20')		*4750 (10500)	4400 (9700)			*5650 (12500)	*5650 (12500)						
4.5 m (15')		*4850 (10700)	3650 (8100)	*6100 (13500)	4150 (9100)	*6500 (14300)	6100 (13500)	*7500 (16500)	*7500 (16500)				
3.0 m (10')		5150 (11400)	3300 (7300)	6200 (13600)	4000 (8800)	*7750 (17100)	5800 (12800)	*10150 (22300)	9100 (20100)				
1.5 m (5')		5000 (11000)	3200 (7000)	6000 (13300)	3850 (8500)	8650 (19100)	5450 (12100)	*12550 (27700)	8450 (18600)				
0 m (0')		5150 (11300)	3250 (7200)	5900 (13000)	3750 (8200)	8400 (18500)	5250 (11600)	13700 (30200)	8100 (17800)				
-1.5 m (-5')		5650 (12500)	3550 (7900)	5850 (12900)	3700 (8100)	8300 (18300)	5150 (11400)	13600 (29900)	8000 (17600)	*13000 (28700)	*13000 (28700)	*8550 (18800)	*8550 (18800)
-3.0 m (-10')		6850 (15200)	4350 (9600)			8350 (18400)	5200 (11500)	*13700 (30200)	8100 (17900)	*19850 (43800)	16550 (36500)	*13900 (30700)	*13900 (30700)
-4.5 m (-15')		*9550 (21000)	6400 (14100)					*11700 (25800)	8400 (18500)	*16750 (36900)	*16750 (36900)		
Arm length 2000 mm (6'7")													
6.0 m (20')		*4850 (10700)	4800 (10600)			*6300 (13900)	6200 (13600)						
4.5 m (15')		*4950 (10900)	3950 (8700)	*5600 (12400)	4050 (8900)	*7100 (15600)	6000 (13200)	*8400 (18600)	*8400 (18600)	*12000 (26500)	*12000 (26500)		
3.0 m (10')		*5250 (11600)	3550 (7800)	6100 (13500)	3950 (8700)	*8250 (18200)	5700 (12500)	*11050 (24300)	8850 (19600)				
1.5 m (5')		5350 (11800)	3400 (7500)	5950 (13200)	3800 (8400)	8550 (18900)	5400 (11900)	*13200 (29100)	8250 (18200)				
0 m (0')		5550 (12200)	3500 (7700)	5900 (13000)	3700 (8200)	8350 (18400)	5200 (11500)	13600 (30000)	8000 (17700)				
-1.5 m (-5')		6200 (13600)	3900 (8600)			8300 (18300)	5150 (11400)	13600 (30000)	8000 (17700)	*13550 (29900)	*13550 (29900)		
-3.0 m (-10')		7800 (17200)	4900 (10800)			8450 (18600)	5250 (11600)	*13200 (29100)	8150 (18000)	*18650 (41100)	16750 (36900)		
-4.5 m (-15')		*9750 (21500)	7850 (17300)					*10450 (23100)	8550 (18900)				

* Load is limited by hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC270-8 (Japan source)

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.26 m³ (1.65 cu.yd), Shoes: 600 mm (24")

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2500 mm (8'2")													
7.6 m (25')		*5550 (12200)	*5550 (12200)										
6.1 m (20')		*5350 (11800)	*4850 (10700)			*7150 (15700)	6500 (14400)						
4.6 m (15')		*5400 (12000)	4000 (8800)	6300 (13800)	4250 (9400)	*7900 (17400)	6300 (13900)	*9300 (20500)	*9300 (20500)				
3.0 m (10')		5350 (11800)	3550 (7900)	6150 (13500)	4100 (9100)	8850 (19500)	5950 (13100)	*11900 (26300)	9300 (20500)				
1.5 m (5')		5200 (11400)	3450 (7600)	5950 (13200)	3950 (8700)	8500 (18700)	5600 (12400)	13550 (29800)	8650 (19000)				
0 m (0')		5350 (11800)	3500 (7700)	5850 (12900)	3850 (8500)	8250 (18200)	5400 (11900)	13150 (28900)	8300 (18300)				
-1.5 m (-5')		5900 (13000)	3900 (8600)			8150 (18000)	5300 (11700)	13050 (28800)	8200 (18100)	*15700 (34600)	*15700 (34600)		
-3.0 m (-10')		7250 (16000)	4800 (10500)			8250 (18200)	5400 (11900)	13150 (29000)	8350 (18400)	*19100 (42200)	17800 (39300)		
-4.6 m (-15')		*9000 (19800)	7600 (16800)					*10000 (22000)	8650 (19100)				
Arm length 3045 mm (10'0")													
7.6 m (25')		*3450 (7600)	*3450 (7600)										
6.1 m (20')		*3300 (7300)	*3300 (7300)	*4200 (9200)	*4200 (9200)	*6350 (14000)	*6350 (14000)						
4.6 m (15')		*3350 (7300)	*3350 (7300)	*6250 (13800)	4300 (9500)	*7200 (15900)	6400 (14100)						
3.0 m (10')		*3550 (7800)	3150 (6900)	6150 (13600)	4150 (9100)	*8500 (18700)	6050 (13300)	*10900 (24000)	9550 (21100)	*17850 (39300)	*17850 (39300)		
1.5 m (5')		*3900 (8600)	3050 (6700)	6000 (13200)	3950 (8800)	8550 (18900)	5700 (12500)	*13250 (29300)	8850 (19500)	*7800 (17200)	*7800 (17200)		
0 m (0')		*4500 (9900)	3100 (6800)	5850 (12900)	3850 (8400)	8300 (18300)	5400 (12000)	13250 (29200)	8350 (18500)	*9600 (21200)	*9600 (21200)		
-1.5 m (-5')		5150 (11400)	3350 (7400)	5750 (12700)	3750 (8300)	8150 (17900)	5300 (11700)	13050 (28700)	8200 (18100)	*13950 (30700)	*13950 (30700)	*8850 (19500)	*8850 (19500)
-3.0 m (-10')		6100 (13500)	4000 (8800)			8150 (18000)	5300 (11700)	13100 (28800)	8250 (18200)	*20100 (44300)	17600 (38800)	*13650 (30100)	*13650 (30100)
-4.6 m (-15')		*8450 (18600)	5750 (12600)					*11600 (25600)	8500 (18700)	*16650 (36700)	*16650 (36700)		
Arm length 3500 mm (11'6")													
7.6 m (25')		*2900 (6400)	*2900 (6400)										
6.1 m (20')		*2800 (6100)	*2800 (6100)	*4450 (9800)	4450 (9800)								
4.6 m (15')		*2800 (6200)	*2800 (6200)	*5800 (12800)	4350 (9600)	*6600 (14500)	6450 (14300)						
3.0 m (10')		*3000 (6600)	2900 (6400)	6150 (13600)	4150 (9100)	*7950 (17500)	6050 (13400)	*9950 (22000)	9700 (21400)	*15500 (34200)	*15500 (34200)		
1.5 m (5')		*3300 (7200)	2750 (6100)	5950 (13100)	3950 (8700)	8550 (18900)	5700 (12500)	*12400 (27300)	8700 (19200)	*11050 (24300)	*11050 (24300)		
0 m (0')		*3750 (8300)	2800 (6200)	5800 (12700)	3750 (8300)	8250 (18200)	5350 (11800)	13200 (29100)	8350 (18400)	*10450 (23000)	*10450 (23000)		
-1.5 m (-5')		*4600 (10100)	3050 (6700)	5650 (12500)	3650 (8100)	8050 (17700)	5200 (11500)	12900 (28500)	8100 (17800)	*13600 (29900)	*13600 (29900)	*8300 (18300)	*8300 (18300)
-3.0 m (-10')		5500 (12100)	3550 (7900)	5700 (12500)	3700 (8100)	8000 (17700)	5150 (11400)	12900 (28400)	8050 (17800)	*18500 (40800)	17250 (38100)	*12400 (27300)	*12400 (27300)
-4.6 m (-15')		7450 (16500)	4850 (10800)			*8150 (18000)	5300 (11700)	*12350 (27300)	8250 (18200)	*18100 (39900)	17750 (39200)		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. 1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC270LC-8 (Japan source)

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.26 m³ (1.65 cu.yd), Shoes: 700 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3045 mm (10'0")													
7.6 m (25')		*3450 (7600)	*3450 (7600)										
6.1 m (20')		*3300 (7300)	*3300 (7300)	*4100 (9100)	*4100 (9100)	*6350 (14000)	*6350 (14000)						
4.6 m (15')		*3350 (7300)	*3350 (7300)	*6250 (13800)	4550 (10000)	*7200 (15900)	6750 (14900)						
3.0 m (10')		*3500 (7800)	3350 (7400)	*7250 (16000)	4400 (9700)	*8450 (18700)	6400 (14100)	*10850 (24000)	10200 (22500)	*13500 (29800)	*13500 (29800)		
1.5 m (5')		*3900 (8600)	3250 (7100)	7100 (15700)	4200 (9300)	*9750 (21500)	6050 (13300)	*13350 (29400)	9400 (20800)	*8350 (18400)	*8350 (18400)		
0 m (0')		*4500 (9900)	3300 (7300)	6950 (15300)	4050 (9000)	9950 (21900)	5750 (12700)	*12500 (27500)	8950 (19700)	*9950 (21900)	*9950 (21900)		
-1.5 m (-5')		*5550 (12200)	3600 (8000)	6900 (15200)	4000 (8800)	9800 (21600)	5600 (12400)	*12150 (26800)	8750 (19300)	*10600 (23400)	*10600 (23400)	*8950 (19700)	*8950 (19700)
-3.0 m (-10')		7400 (16300)	4300 (9500)			9800 (21600)	5650 (12400)	*12850 (28400)	8800 (19400)	*10700 (23600)	*10700 (23600)	*11050 (24400)	*11050 (24400)
-4.6 m (-15')		*8450 (18600)	6050 (13300)					*11750 (25900)	9050 (20000)	*11500 (25300)	*11500 (25300)		
Arm length 3500 mm (11'6")													
7.6 m (25')		*2900 (6400)	*2900 (6400)										
6.1 m (20')		*2800 (6100)	*2800 (6100)	*4400 (9700)	*4400 (9700)								
4.6 m (15')		*2800 (6200)	*2800 (6200)	*5800 (12800)	4550 (10100)	*6600 (14600)	*6600 (14600)						
3.0 m (10')		*2950 (6600)	*2950 (6600)	*6850 (15100)	4400 (9700)	*7900 (17400)	6400 (14200)	*9950 (21900)	*9950 (21900)	*13800 (30500)	*13800 (30500)		
1.5 m (5')		*3250 (7200)	2950 (6600)	7100 (15600)	4200 (9200)	*9250 (20400)	6000 (13300)	*12550 (27700)	9500 (20900)	*9700 (21400)	*9700 (21400)		
0 m (0')		*3750 (8300)	3000 (6700)	6900 (15200)	4000 (8800)	9900 (21900)	5700 (12600)	*11100 (24400)	8900 (19600)	*9550 (21100)	*9550 (21100)		
-1.5 m (-5')		*4600 (10200)	3250 (7200)	6800 (15000)	3900 (8600)	9700 (21400)	5550 (12200)	*10600 (23400)	8650 (19100)	*9550 (21100)	*9550 (21100)	*8400 (18600)	*8400 (18600)
-3.0 m (-10')		*6250 (13800)	3850 (8500)	6800 (15000)	3900 (8600)	9650 (21300)	5500 (12100)	*10850 (24000)	8650 (19000)	*9550 (21100)	*9550 (21100)	*10050 (22100)	*10050 (22100)
-4.6 m (-15')		*8150 (18000)	5150 (11300)			*9000 (19800)	5650 (12400)	*12000 (26500)	8850 (19500)	*9900 (21800)	*9900 (21800)		
Arm length 2500 mm (8'2")													
7.6 m (25')		*5550 (12300)	*5550 (12300)										
6.1 m (20')		*5350 (11800)	5100 (11300)			*7150 (15700)	6850 (15100)						
4.6 m (15')		*5450 (12000)	4250 (9300)	*6800 (14900)	4500 (9900)	*7900 (17400)	6650 (14600)	*9400 (20700)	*9400 (20700)				
3.0 m (10')		*5800 (12800)	3800 (8400)	7250 (16000)	4350 (9600)	*9050 (20000)	6300 (13900)	*11900 (26300)	9900 (21900)				
1.5 m (5')		6200 (13700)	3650 (8100)	7100 (15600)	4200 (9200)	10200 (22400)	5950 (13100)	*11750 (25900)	9200 (20300)				
0 m (0')		6400 (14100)	3750 (8300)	6950 (15400)	4100 (9000)	9900 (21900)	5750 (12600)	*10800 (23800)	8850 (19500)	*9300 (20500)	*9300 (20500)		
-1.5 m (-5')		7100 (15600)	4150 (9100)			9850 (21700)	5650 (12500)	*10850 (23900)	8800 (19400)	*10450 (23000)	*10450 (23000)		
-3.0 m (-10')		8800 (19400)	5100 (11300)			*9900 (21800)	5750 (12600)	*11750 (25900)	8900 (19600)	*10100 (22300)	*10100 (22300)		
-4.6 m (-15')		*9000 (19900)	7950 (17500)					*10200 (22500)	9250 (20400)				

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC290LC-11 (Japan source)

Conditions: Boom: 6150 mm (20'2"), Shoes: 800 mm (31.5"), Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3200 mm (10'6") Bucket: 1.14m ³ (1.49 cu.yd)													
7.6 m (25')		*3300 (7300)	*3300 (7300)										
6.1 m (20')		*3200 (7000)	*3200 (7000)			*5350 (11800)	5250 (11600)						
4.6 m (15')		*3200 (7000)	*3200 (7000)			*6200 (13600)	5100 (11200)	*6850 (15100)	*6850 (15100)				
3.0 m (10')		*3400 (7500)	*3400 (7500)	*4600 (10100)	3550 (7800)	*6900 (15200)	4900 (10800)	*8200 (18100)	7050 (15500)	*11000 (24200)	*11000 (24200)	*13550 (29900)	*13550 (29900)
1.5 m (5')		*3700 (8100)	3350 (7400)	*5550 (12200)	3450 (7600)	*7650 (16800)	4700 (10300)	*9600 (21100)	6700 (11800)	*13600 (30000)	10400 (22900)		
0 m (0')		*4200 (9200)	3400 (7500)	*5200 (11400)	3400 (7500)	7700 (17000)	4550 (10000)	*10500 (23100)	6400 (14100)	*14800 (32600)	9900 (21800)	*8050 (17700)	*8050 (17700)
-1.5 m (-5')		*5100 (11200)	3650 (8000)			7600 (16700)	4450 (9800)	10800 (23800)	6250 (13800)	*14900 (32800)	10500 (23200)	*10450 (23000)	*10450 (23000)
-3.0 m (-10')		*6700 (14800)	4250 (9400)			7600 (16700)	4450 (9800)	*10500 (23100)	6200 (13600)	*14250 (31400)	9750 (21500)	*17750 (39100)	*17750 (39100)
-4.6 m (-15')		*7850 (17300)	5600 (12300)					*9100 (20000)	6400 (14100)	*14250 (31400)	10000 (22000)	*17400 (38300)	*17400 (38300)
Arm length 3200 mm (10'6") Without bucket													
7.6 m (25')		*4700 (10400)	*4700 (10400)										
6.1 m (20')		*4500 (10000)	*4500 (10000)			*6350 (14000)	5950 (13100)	*7350 (16200)	*7350 (16200)				
4.6 m (15')		*4500 (10000)	*4500 (10000)			*7550 (16700)	5850 (12900)	*8250 (18200)	8150 (17900)	*9700 (21400)	*9700 (21400)		
3.0 m (10')		*4650 (10300)	4450 (9800)			*8200 (18100)	5650 (12400)	*9550 (21100)	7800 (17200)	*12350 (27200)	11800 (26000)		
1.5 m (5')		*5000 (11000)	4300 (9500)			8650 (19100)	5500 (12100)	*10800 (23800)	7450 (16400)	*14700 (32400)	11050 (24300)		
0 m (0')		*5500 (12200)	4400 (9700)			8500 (18700)	5350 (11800)	*11600 (25600)	7200 (15900)	*15850 (34900)	10700 (23600)	*7300 (16100)	*7300 (16100)
-1.5 m (-5')		*6450 (14200)	4700 (10300)			8400 (18500)	5300 (11700)	11600 (25600)	7100 (15600)	*15850 (35000)	10550 (23200)	*12550 (27700)	*12550 (27700)
-3.0 m (-10')		*8200 (18100)	5400 (11900)					*11300 (24900)	7100 (15600)	*14900 (32900)	10650 (23500)	*19250 (42400)	*19250 (42400)
-4.6 m (-15')		*8800 (19400)	7000 (15400)					*9250 (20400)	7300 (16100)	*12600 (27800)	10850 (23900)	*17100 (37700)	*17100 (37700)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC290LC-11 (USA source)

Conditions: Boom: 6150 mm (20'2"), Without bucket, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3200 mm (10'6") Shoes: 850 mm (33.5")													
7.6 m (25')		*4700 (10400)	*4700 (10400)										
6.1 m (20')		*4500 (10000)	*4500 (10000)			*6350 (14000)	5950 (13200)	*7350 (16200)	*7350 (16200)				
4.6 m (15')		*4500 (10000)	*4500 (10000)			*7550 (16700)	5850 (13000)	*8250 (18200)	8200 (18100)	*9700 (21300)	*9700 (21300)		
3.0 m (10')		*4650 (10300)	4450 (9800)			*8200 (18000)	5700 (12600)	*9550 (21100)	7850 (17300)	*12350 (27300)	11850 (26100)		
1.5 m (5')		*5000 (11000)	4350 (9600)			8700 (19200)	5500 (12200)	*10800 (23800)	7500 (16500)	*14700 (32400)	11150 (24500)		
0 m (0')		*5500 (12200)	4400 (9700)			8550 (18800)	5400 (11900)	*11600 (25600)	7250 (16000)	*15850 (34900)	10750 (23700)	*7300 (16200)	*7300 (16200)
-1.5 m (-5')		*6450 (14200)	4700 (10400)			8450 (18700)	5350 (11700)	11700 (25800)	7100 (15700)	*15850 (35000)	10650 (23400)	*12550 (27700)	*12550 (27700)
-3.0 m (-10')		*8200 (18100)	5400 (12000)					*11300 (24900)	7150 (15700)	*14900 (32900)	10700 (23600)	*19250 (42500)	*19250 (42500)
-4.6 m (-15')		*8800 (19400)	7050 (15500)					*9250 (20400)	7300 (16200)	*12600 (27800)	10900 (24100)	*17100 (37800)	*17100 (37800)
Arm length 3500 mm (11'6") Shoes: 700 (33.5")													
7.6 m (25')		*4300 (9500)	*4300 (9500)										
6.1 m (20')		*4150 (9200)	*4150 (9200)			*6300 (13900)	5950 (13100)						
4.6 m (15')		*4150 (9200)	*4150 (9200)			*7250 (16000)	5800 (12800)	*7900 (17400)	*7900 (17400)				
3.0 m (10')		*4300 (9500)	4200 (9300)	*5000 (11000)	4300 (9500)	*7950 (17500)	5600 (12400)	*9200 (20300)	7750 (17100)	*11750 (25900)	*11750 (25900)		
1.5 m (5')		*4550 (10100)	4100 (9000)	*5750 (12700)	4200 (9300)	8550 (18800)	5400 (12000)	*10500 (23100)	7350 (16200)	*14200 (31300)	10950 (24200)		
0 m (0')		*5050 (11100)	4150 (9200)			8350 (18400)	5250 (11600)	*11400 (25200)	7100 (15600)	*15600 (34300)	10500 (23200)	*8200 (18100)	*8200 (18100)
-1.5 m (-5')		*5850 (12900)	4400 (9700)			8250 (18200)	5200 (11500)	11400 (25200)	6950 (15300)	*15850 (34900)	10350 (22800)	*12500 (27500)	*12500 (27500)
-3.0 m (-10')		*7350 (16300)	5000 (11000)			8300 (18300)	5200 (11500)	*11400 (25100)	6950 (15300)	*15100 (33300)	10400 (22290)	*18250 (40300)	*18250 (40300)
-4.6 m (-15')		*8650 (19100)	6350 (14000)					*9800 (21600)	7050 (15600)	*13150 (29000)	10550 (23300)	*18100 (39900)	*18100 (39900)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC290LC-11 (UK source)

Conditions: One-piece boom: 6150 mm, Without bucket, Shoes: 700 mm

unit :kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2000 mm													
6.0 m		*7550	6720			*8980	8330	*10070	*10070				
4.5 m		*7520	5740	8720	5840	*9820	8080	*12300	12270				
3.0 m		*7810	5290	8590	5730	*10960	7770	*14990	11470				
1.5 m		7720	5150	8460	5600	11690	7500						
0 m		7990	5300	8380	5530	11530	7360	*16290	10930				
-1.5 m		8850	5820			11510	7350	*15430	10980	*12500	*12500		
-3.0 m		*9650	7070			*10320	7480						
-4.5 m													
Arm length 2650 mm													
6.0 m		*6710	5970	*6760	5970	*8130	*8130						
4.5 m		*6740	5200	*8160	5900	*9070	8170	*11010	*11010				
3.0 m		*7020	4820	8610	5740	*10310	7820	*13720	11700				
1.5 m		7020	4690	8440	5580	*11420	7500	*15700	11090				
0 m		7210	4790	8310	5460	11480	7300	*16310	10840				
-1.5 m		7840	5170	8280	5430	11400	7230	*15900	10810	*12990	*12990		
-3.0 m		*9240	6060			*11110	7290	*14550	10920	*19420	*19420		
-4.5 m													
Arm length 3200 mm													
6.0 m		*4550	*4550	*6830	6080	*7430	*7430						
4.5 m		*4530	*4550	*7660	5960	*8420	8280	*9920	*9920				
3.0 m		*4700	4420	*8310	5780	*9740	7910	*12680	11950				
1.5 m		*5000	4310	8460	5590	*10990	7560	*15010	11230				
0 m		*5530	4380	8300	5450	11500	7310	*16130	10860				
-1.5 m		*6430	4680	8230	5380	11360	7200	*16140	10750	*12270	*12270		
-3.0 m		8130	5340	8270	5420	11370	7210	*15180	10750	*18780	*18780		
-4.5 m		*8810	6860			*9630	7380	*15180	10810				
Arm length 3500 mm													
6.0 m		*4180	*4180	*6650	6140								
4.5 m		*4190	*4190	*7390	6000	*8060	*8060						
3.0 m		*4330	4270	*8090	5810	*9410	7970	*12090	*12090				
1.5 m		*4610	4160	8480	5610	*10730	7600	*14580	11320				
0 m		*5080	4220	8310	5450	11510	7320	*15940	10880	*7970	*7970		
-1.5 m		*5880	4480	8210	5360	11350	7180	*16180	10720	*12210	*12210	*8090	*8090
-3.0 m		*7340	5050	8220	5370	11330	7160	*15440	10740	*17810	*17810	*12640	*12640
-4.5 m		*8710	6340			*10170	7300						

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC290NLC-11 (UK source)

Conditions: One-piece boom: 6150 mm, Without bucket, Shoes: 600 mm

unit :kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2000 mm													
6.0 m		*7550	6130			*8980	7590	*10070	*10070				
4.5 m		*7520	5230	8590	5320	*9820	7350	*12300	11060				
3.0 m		7770	4810	8460	5210	*10960	7040	*14990	10280				
1.5 m		7600	4680	8320	5090	11510	6780						
0 m		7860	4810	8240	5010	11340	6640	*16290	9760				
-1.5 m		8700	5270			11330	6630	*15430	9810	*12500	*12500		
-3.0 m		*9650	6400			*10320	6750						
-4.5 m													
Arm length 2650 mm													
6.0 m		*6710	5440	*6760	5450	*8130	7700						
4.5 m		*6740	4730	*8160	5370	*9070	7430	*11010	*11010				
3.0 m		*7020	4380	8480	5220	*10310	7090	*13720	10500				
1.5 m		6910	4260	8300	4950	*11420	6780	*15700	9910				
0 m		7090	4340	8180	4950	11290	6580	*16310	9670				
-1.5 m		7710	4680	8140	4920	11210	6520	*15900	9640	*12990	*12990		
-3.0 m		9150	5490			*11110	6570	*14550	9750	*19420	18810		
-4.5 m													
Arm length 3200 mm													
6.0 m		*4550	*4550	*6830	5550	*7430	*7430						
4.5 m		*4530	*4550	*7660	5430	*8420	7540	*9920	*9920				
3.0 m		*4700	4020	*8310	5260	*9740	7180	*12680	10740				
1.5 m		*5000	3910	8320	5070	*10990	6830	*15010	10050				
0 m		*5530	3970	8170	4930	11310	6590	*16130	9690				
-1.5 m		*6430	4230	8090	4870	11180	6480	*16140	9580	*12270	*12270		
-3.0 m		8000	4830	8130	4900	11190	6490	*15180	9640	*18780	18540		
-4.5 m		*8810	6200			*9630	6650						
Arm length 3500 mm													
6.0 m		*4180	*4180	*6650	5610								
4.5 m		*4190	4150	*7390	5480	*8060	7610						
3.0 m		*4330	3880	*8090	5290	*9410	7240	*12090	10880				
1.5 m		*4610	3770	8350	5090	*10730	6870	*14580	10130				
0 m		*5080	3820	8170	4930	11320	6600	*15940	9710	*7970	*7970		
-1.5 m		*5880	4050	8070	4850	11160	6460	*16180	9550	*12210	*12210	*8090	*8090
-3.0 m		*7340	4570	8090	4860	11140	6450	*15440	9570	*17810	*17810	*12640	*12640
-4.5 m		*8710	5730			*10170	6570						

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC290LC-10 (Japan source)

Conditions: Boom: 6150 mm (20'2"), Shoes: 800 mm (31.5"), Lifting mode: ON

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3045 mm (10'0") Bucket: 1.26m ³ (1.65 cu.yd)													
7.6 m (25')		*3600 (7900)	*3600 (7900)										
6.1 m (20')		*3450 (7600)	*3450 (7600)	*4400 (9700)	*4400 (9700)	*6400 (14100)	*6400 (14100)						
4.6 m (15')		*3450 (7600)	*3450 (7600)	*6500 (14300)	5150 (11300)	*7250 (16000)	*7250 (16000)						
3.0 m (10')		*3650 (8000)	*3650 (8000)	*7300 (16100)	5000 (11000)	*8600 (18900)	7150 (15700)	*11250 (24800)	*11250 (24800)	*17150 (37800)	*17150 (37800)		
1.5 m (5')		*4000 (8800)	3750 (8200)	7700 (17000)	4800 (10600)	*9950 (21900)	6800 (15000)	*13900 (30600)	10550 (23200)	*8550 (18800)	*8550 (18800)		
0 m (0')		*4600 (10100)	3850 (8500)	7500 (16500)	4650 (10200)	10750 (23700)	6550 (14400)	*15150 (33400)	10100 (22200)	*6800 (14500)	*6800 (14500)		
-1.5 m (-5')		*5600 (11300)	4150 (9100)	7450 (16400)	4600 (10100)	10600 (23300)	6400 (14100)	*15200 (33500)	9950 (21900)	*12900 (28400)	*12900 (28400)	*9050 (19900)	*9050 (19900)
-3.0 m (-10')		*7700 (17000)	4900 (10800)			*10600 (23300)	6400 (14100)	*14350 (31600)	10000 (22000)	*19300 (42500)	*19300 (42500)	*11600 (25600)	*11600 (25600)
-4.6 m (-15')		*8550 (18800)	6750 (14900)			*8050 (17700)	6600 (14500)	*12050 (26500)	10250 (22600)	*16850 (37100)	*16850 (37100)		
Arm length 3045 mm (10'0") Without bucket													
7.6 m (25')		*4700 (10400)	*4700 (10400)			*6450 (14200)	*6450 (14200)						
6.1 m (20')		*4500 (10000)	*4500 (10000)			*7850 (17300)	*7850 (17300)						
4.6 m (15')		*4500 (10000)	*4500 (10000)	*7600 (16700)	5850 (12900)	*8700 (19200)	8150 (17900)	*10000 (22000)	*10000 (22000)				
3.0 m (10')		*4650 (10300)	4450 (9800)	*8600 (18900)	5750 (12700)	*9950 (21900)	7850 (17300)	*12650 (27900)	11900 (26200)				
1.5 m (5')		*5000 (11000)	4300 (9500)	8450 (18600)	5600 (12300)	11150 (24600)	7550 (16600)	*15000 (33000)	11250 (24800)				
0 m (0')		*5500 (12200)	4400 (9700)	8300 (18300)	5450 (12000)	11150 (24600)	7350 (16200)	*16150 (35600)	10900 (24000)	*9300 (20500)	*9300 (20500)		
-1.5 m (-5')		*6450 (14200)	4700 (10300)	8250 (18200)	5400 (11900)	11140 (24500)	7250 (16000)	*16100 (35500)	10800 (23800)	*15050 (33200)	*15050 (33200)	*9650 (21300)	*9650 (21300)
-3.0 m (-10')		*8200 (18100)	5400 (11900)			*11120 (24500)	7250 (16000)	*14900 (32900)	10850 (23900)	*20700 (45600)	*20700 (45600)		
-4.6 m (-15')		*8800 (19400)	7000 (15400)					*11900 (26200)	11100 (24500)				

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC290LC-8 (for Turkey)Conditions: Boom: 5850 mm, Bucket: 1.26 m³, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.6 m		6.1 m		4.6 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2500 mm													
	7.6 m	*5550	*5550										
	6.1 m	*5350	*4850			*7150	*6500						
	4.6 m	*5400	*4000	6300	4250	*7900	6300	*9300	*9300				
	3.0 m	5350	3550	6150	4100	8850	5950	*11900	9300				
	1.5 m	5200	3450	5950	3950	8850	5600	13550	8650				
	0 m	5350	3500	5850	3850	8250	5400	13150	8300				
	-1.5 m	5900	3900			8150	5300	13050	8200	*15700	*15700		
	-3.0 m	7250	4800			8250	5400	13150	8350	*19100	17800		
	-4.6 m	*9000	7600					*10000	8650				
Arm length 3045 mm													
	7.6 m	*3450	*3450										
	6.1 m	*3350	*3300	*4200	*4200	*6350	*6350						
	4.6 m	*3350	*3350	*6250	4300	*7200	6400						
	3.0 m	*3550	3150	6150	4150	8500	6050	*10900	9550	*17850	*17850		
	1.5 m	*3900	3050	6000	3950	8550	5700	13250	8850	*7800	*7800		
	0 m	*4500	3100	5850	3850	8300	5400	13250	8350	*9600	*9600		
	-1.5 m	5150	3350	5750	3750	8150	5300	13050	8200	*13950	*13950	*8850	*8850
	-3.0 m	6100	4000			8150	5300	13150	8250	*20100	17600	*13650	*13650
	-4.6 m	*8450	5750					*11600	8500	*16650	*16650		
Arm length 3500 mm													
	7.6 m	*2900	*2900										
	6.1 m	*2800	*2800	*4450	*4450								
	4.6 m	*2800	*2800	*5800	4350	*6600	6450						
	3.0 m	*3000	2900	6150	4150	*7950	6050	*9950	9700	*15500	*15500		
	1.5 m	*3300	2750	5950	3950	8550	5700	*12400	8700	*11050	*11050		
	0 m	*3750	2800	5800	3750	8250	5350	13200	8350	*10450	*10450		
	-1.5 m	*4600	3050	5650	3650	8050	5200	12900	8100	*13600	*13600	*8300	*8300
	-3.0 m	5500	3550	5700	3700	8000	5150	12900	8050	*18500	17250	*12400	*12400
	-4.6 m	7450	4850			8150	5300	*12350	8250	*18100	*17750		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300-8, PC300LC-8M0 (Japan source)

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5")													
7.5 m (24')		*5300 (11700)	4950 (10900)			*6850 (15200)	5400 (11900)						
6.0 m (19')		*5250 (11600)	3950 (8700)			*7250 (16000)	5350 (11800)						
4.5 m (14')		5050 (11200)	3350 (7400)	5350 (11800)	3600 (7900)	7500 (16500)	5150 (11300)	*9200 (20300)	7600 (16700)				
3.0 m (9')		4700 (10300)	3050 (6800)	5250 (11500)	3450 (7600)	7150 (15800)	4850 (10700)	10450 (23000)	7050 (15600)	*15000 (33100)	11200 (24700)		
1.5 m (4')		4550 (10000)	2950 (6500)	5050 (11200)	3300 (7300)	6900 (15200)	4550 (10100)	9900 (21800)	6550 (14500)	16000 (35300)	10200 (22500)		
0 m (0')		4600 (10200)	3000 (6600)	4950 (10900)	3200 (7100)	6650 (14700)	4350 (9600)	9500 (21000)	6200 (13700)	15400 (34000)	9700 (21400)		
-1.5 m (-4')		4950 (11000)	3200 (7100)	4900 (10800)	3150 (7000)	6550 (14400)	4250 (9400)	9350 (20600)	6050 (13300)	15250 (33700)	9550 (21100)	*9600 (21100)	*9600 (21100)
-3.0 m (-9')		5750 (12700)	3750 (8200)			6550 (14400)	4250 (9400)	9350 (20600)	6050 (13300)	15300 (33800)	9700 (21400)	*18050 (39700)	*18050 (39700)
-4.5 m (-14')		7450 (16400)	4900 (10800)					9450 (20900)	6200 (13700)	*12850 (28400)	9950 (22000)	*16600 (36600)	*16600 (36600)
-6.0 m (-19')		*6300 (13900)	*6300 (13900)							*8150 (18000)	*8150 (18000)		
Arm length 4020 mm (13'2")													
7.5 m (24')		*4150 (9200)	4050 (8900)										
6.0 m (19')		*4050 (9000)	3300 (7300)	5700 (12500)	3900 (8600)								
4.5 m (14')		*4150 (9100)	2900 (6400)	5550 (12300)	3750 (8300)	*7100 (15700)	5350 (11800)						
3.0 m (9')		4100 (9000)	2650 (5800)	5350 (11800)	3600 (7900)	7350 (16300)	5000 (11100)	*9650 (21300)	7300 (16200)	*12950 (28600)	11800 (26000)		
1.5 m (4')		3950 (8700)	2550 (5600)	5150 (11400)	3400 (7500)	7000 (15400)	4650 (10300)	10100 (22300)	6750 (14800)	*15950 (35200)	10550 (23300)		
0 m (0')		4000 (8800)	2550 (5600)	5000 (11000)	3250 (7100)	6700 (14800)	4400 (9700)	9600 (21100)	6250 (13800)	15450 (34100)	9700 (21400)		
-1.5 m (-4')		4250 (9400)	2700 (5900)	4850 (10700)	3100 (6900)	6500 (14300)	4200 (9300)	9250 (20400)	5950 (13200)	15050 (33100)	9350 (20600)	*9750 (21500)	*9750 (21500)
-3.0 m (-9')		4750 (10500)	3050 (6700)	4850 (10700)	3100 (6900)	6450 (14200)	4150 (9100)	9150 (20200)	5900 (13000)	15000 (33100)	9350 (20600)	*15450 (34100)	*15450 (34100)
-4.5 m (-14')		5800 (12800)	3750 (8300)			6500 (14400)	4200 (9300)	9250 (20400)	6000 (13200)	*14500 (31900)	9550 (21100)	*20000 (44100)	19800 (43600)
-6.0 m (-19')		*6550 (14400)	5400 (11900)					*8150 (18000)	6250 (13800)	*11050 (24400)	9850 (21700)	*14600 (32200)	*14600 (32200)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300-8, PC300-8M0 (Japan source)

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2200 mm (7'3")													
7.5 m (24')	*8650 (19100)	6750 (14900)											
6.0 m (19')	7350 (16200)	5000 (11100)			7450 (16400)	5100 (11200)	*9100 (20100)	7700 (17000)					
4.5 m (14')	6200 (13700)	4150 (9200)			7250 (16000)	4900 (10800)	*10250 (22600)	7200 (15900)	*13800 (30400)	11600 (25600)			
3.0 m (9')	5650 (12400)	3750 (8200)			6950 (15300)	4650 (10200)	10050 (22200)	6700 (14800)					
1.5 m (4')	5450 (12000)	3550 (7800)			6700 (14800)	4400 (9700)	9600 (21100)	6250 (13800)					
0 m (0')	5600 (12300)	3650 (8000)			6550 (14500)	4250 (9400)	9300 (20500)	6000 (13300)					
-1.5 m (-4')	6150 (13600)	4000 (8800)			6500 (14400)	4250 (9300)	9250 (20400)	5950 (13100)	15150 (33400)	9550 (21100)			
-3.0 m (-9')	7550 (16600)	4900 (10800)					9400 (20700)	6100 (13400)	*13400 (29600)	9750 (21500)	*14850 (32700)	*14850 (32700)	
-4.5 m (-14')	*7750 (17100)	7350 (16300)					*6550 (14400)	6450 (14200)	*9850 (21800)	*9850 (21800)			
Arm length 2550 mm (8'4")													
7.5 m (24')	*7600 (16700)	5750 (12600)											
6.0 m (19')	6500 (14300)	4450 (9800)			7550 (16700)	5200 (11500)							
4.5 m (14')	5600 (12400)	3750 (8300)			7350 (16200)	5000 (11000)	*9900 (21900)	7350 (16200)	*13000 (28600)	11900 (26200)			
3.0 m (9')	5150 (11400)	3400 (7500)	5150 (11400)	3400 (7500)	7050 (15500)	4700 (10400)	10200 (22500)	6850 (15100)	*15500 (34100)	10650 (23500)			
1.5 m (4')	5000 (11000)	3250 (7200)	5000 (11100)	3250 (7200)	6750 (14900)	4450 (9900)	9700 (21400)	6350 (14100)					
0 m (0')	5100 (11300)	3300 (7300)	4950 (10900)	3200 (7000)	6600 (14500)	4300 (9500)	9400 (20700)	6100 (13400)	*14650 (32300)	9500 (20900)			
-1.5 m (-4')	5550 (12300)	3600 (8000)			6500 (14400)	4250 (9300)	9250 (20400)	6000 (13200)	*15200 (33600)	9550 (21100)			
-3.0 m (-9')	6600 (14600)	4300 (9500)			6600 (14500)	4300 (9500)	9350 (20600)	6050 (13400)	*14250 (31500)	9750 (21500)	*17150 (37800)	*17150 (37800)	
-4.5 m (-14')	*7400 (16400)	6000 (13200)					*8300 (18300)	6350 (14000)	*11050 (24300)	9950 (22000)	*13100 (28900)	*13100 (28900)	

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300-8M0 (Russia source)

Conditions:

Boom: 6470 mm, Bucket (SAE): 1.40 m³, Shoes: 600 mm

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2200 mm													
	7.5 m	*8650	6750										
	6.0 m	7350	5000			7450	5100	*9100	7700				
	4.5 m	6200	4150			7250	4900	*10250	7200	*13800	11600		
	3.0 m	5650	3750			6950	4650	10050	6700				
	1.5 m	5450	3550			6700	4400	9600	6250				
	0 m	5600	3650			6550	4250	9300	6000				
	-1.5 m	6150	4000			6500	4250	9250	5950	15150	9550		
	-3.0 m	7550	4900					9400	6100	*13400	9750	*14850	*14850
	-4.5 m	*7750	7350					*6550	6450	*9850	*9850		
Arm length 2550 mm													
	7.5 m	*7600	5750										
	6.0 m	6500	4450			7550	5200						
	4.5 m	5600	3750			7350	5000	*9900	7350	*13000	11900		
	3.0 m	5150	3400	5150	3400	7050	4700	10200	6850	*15500	10650		
	1.5 m	5000	3250	5000	3250	6750	4450	9700	6350				
	0 m	5100	3300	4950	3200	6600	4300	9400	6100	*14650	9500		
	-1.5 m	5550	3600			6500	4250	9250	6000	*15200	9550		
	-3.0 m	6600	4300			6600	4300	9350	6050	*14250	9750	*17150	*17150
	-4.5 m	*7400	6000					*8300	6350	*11050	9950		*13100

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300-8M0 (Russia source)

Conditions:

Boom: 6470 mm, Bucket (SAE): 1.40 m³, Shoes: 600 mm

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm													
	7.5 m	*5300	4950			*6850	5400						
	6.0 m	*5250	3950			*7250	5350						
	4.5 m	5050	3350	5350	3600	7500	5150	*9200	7600				
	3.0 m	4700	3050	5250	3450	7150	4850	10450	7050	*15000	11200		
	1.5 m	4550	2950	5050	3300	6900	4550	9900	6550	16000	10200		
	0 m	4600	3000	4950	3200	6650	4350	9500	6200	15400	9700		
	-1.5 m	4950	3200	4900	3150	6550	4250	9350	6050	15250	9550	*9600	*9600
	-3.0 m	5750	3750			6550	4250	9350	6050	15300	9700	*18050	*18050
	-4.5 m	7450	4900					9450	6200	*12850	9950	*16600	*16600
	-6.0 m	*6300	*6300							*8150	*8150		
Arm length 4020 mm													
	7.5 m	*4150	4050										
	6.0 m	*4050	3300	5700	3900								
	4.5 m	*4150	2900	5550	3750	*7100	5350						
	3.0 m	4100	2650	5350	3600	7350	5000	*9650	7300	*12950	11800		
	1.5 m	3950	2550	5150	3400	7000	4650	10100	6750	*15950	10550		
	0 m	4000	2550	5000	3250	6700	4400	9600	6250	15450	9700		
	-1.5 m	4250	2700	4850	3100	6500	4200	9250	5950	15050	9350	*9750	*9750
	-3.0 m	4750	3050	4850	3100	6450	4150	9150	5900	15000	9350	*15450	*15450
	-4.5 m	5800	3750			6500	4200	9250	6000	*14500	9550	*20000	19800
	-6.0 m	*6550	5400					*8150	6250	*11050	9850	*14600	*14600

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300LC-8, PC300LC-8M0 (Japan source)

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 700 mm (28")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5")													
7.5 m (24')		*5300 (11700)	5200 (11400)			*6850 (15200)	5650 (12500)						
6.0 m (19')		*5250 (11600)	4150 (9100)			*7250 (16000)	5600 (12400)						
4.5 m (14')		*5400 (11900)	3550 (7900)	6350 (14000)	3800 (8400)	*7800 (17300)	5400 (11900)	*9200 (20300)	7950 (17500)				
3.0 m (9')		5600 (12300)	3250 (7200)	6200 (13700)	3700 (8100)	8450 (18700)	5100 (11300)	*10650 (23500)	7400 (16300)	*15000 (33100)	11750 (25900)		
1.5 m (4')		5450 (12000)	3150 (6900)	6050 (13300)	3550 (7800)	8150 (18000)	4850 (10600)	11800 (26000)	6900 (15200)	*16700 (36900)	10700 (23600)		
0 m (0')		5550 (12200)	3200 (7000)	5900 (13100)	3400 (7500)	7950 (17500)	4600 (10200)	11400 (25100)	6550 (14500)	*17550 (38600)	10200 (22500)		
-1.5 m (-4')		5950 (13100)	3400 (7500)	5850 (12900)	3350 (7400)	7800 (17200)	4500 (9900)	11200 (24700)	6400 (14100)	*17000 (37500)	10100 (22200)	*9600 (21100)	*9600 (21100)
-3.0 m (-9')		6850 (15100)	3950 (8700)			7800 (17200)	4500 (10000)	11200 (24700)	6400 (14100)	*15550 (34200)	10200 (22500)	*18050 (39700)	*18050 (39700)
-4.5 m (-14')		*7550 (16600)	5150 (11400)					*9750 (21500)	6550 (14500)	*12850 (28400)	10500 (23100)	*16600 (36600)	*16600 (36600)
-6.0 m (-19')		*6300 (13900)	*6300 (13900)							*8150 (18000)	*8150 (18000)		
Arm length 4020 mm (13'2")													
7.5 m (24')		*4150 (9200)	*4150 (9200)										
6.0 m (19')		*4050 (9000)	3500 (7800)	*6250 (13800)	4100 (9000)								
4.5 m (14')		*4150 (9100)	3100 (6800)	*6500 (14400)	4000 (8800)	*7100 (15700)	5600 (12400)						
3.0 m (9')		*4300 (9500)	2800 (6200)	6350 (14000)	3800 (8400)	*8000 (17700)	5300 (11600)	*9650 (21300)	7650 (16900)	*12950 (28600)	12300 (27200)		
1.5 m (4')		*4650 (10200)	2700 (6000)	6150 (13500)	3600 (7900)	8300 (18300)	4950 (10900)	*11200 (24700)	7100 (15600)	*15950 (35200)	11050 (24400)		
0 m (0')		4800 (10600)	2700 (6000)	5950 (13100)	3450 (7600)	8000 (17600)	4650 (10300)	11450 (25200)	6600 (14600)	*17250 (38000)	10250 (22600)		
-1.5 m (-4')		5100 (11200)	2900 (6400)	5850 (12900)	3350 (7300)	7750 (17100)	4450 (9900)	11100 (24500)	6300 (13900)	*17250 (38000)	9850 (21800)	*9750 (21500)	*9750 (21500)
-3.0 m (-9')		5700 (12600)	3250 (7200)	5850 (12800)	3300 (7300)	7700 (17000)	4400 (9700)	11000 (24300)	6250 (13700)	*16400 (36200)	9850 (21700)	*15450 (34100)	*15450 (34100)
-4.5 m (-14')		6950 (15300)	4000 (8800)			7800 (17200)	4500 (9900)	*10900 (*24000)	6350 (13900)	*14500 (31900)	10050 (22200)	*20000 (44100)	*20000 (44100)
-6.0 m (-19')		*6550 (14400)	5700 (12600)					*8150 (18000)	6600 (14800)	*11050 (24400)	10300 (22700)	*14600 (32200)	*14600 (32200)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300LC-8, PC300LC-8M0 (Japan source)

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 700 mm (28")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2200 mm (7'3")													
7.5 m (24')		*8650 (19100)	7050 (15600)										
6.0 m (19')		*8300 (18300)	5300 (11600)			*8200 (18100)	5350 (11800)	*9100 (20100)	8050 (17700)				
4.5 m (14')		7350 (16200)	4400 (9700)			8550 (18900)	5150 (11400)	*10250 (22600)	7550 (16700)	*13800 (30400)	12100 (26700)		
3.0 m (9')		6700 (14800)	3950 (8700)			8250 (18200)	4900 (10800)	*11550 (25500)	7050 (15500)				
1.5 m (4')		6500 (14300)	3800 (8300)			8000 (17600)	4700 (10300)	11450 (25200)	6600 (14600)				
0 m (0')		6700 (14700)	3850 (8500)			7850 (17300)	4500 (10000)	11150 (24600)	6350 (14000)				
-1.5 m (-4')		7350 (16200)	4250 (9400)			7800 (17200)	4500 (9900)	11100 (24400)	6300 (13900)	*15500 (34200)	10100 (22200)		
-3.0 m (-9')		*8600 (19000)	5200 (11500)					*10550 (23300)	6450 (14200)	*13400 (29600)	10300 (22700)	*14850 (32700)	*14850 (32700)
-4.5 m (-14')		*7750 (17100)	*7750 (17100)					*6550 (14400)	*6550 (14400)	*9850 (21800)	*9850 (21800)		
Arm length 2550 mm (8'4")													
7.5 m (24')		*7600 (16700)	6000 (13200)										
6.0 m (19')		*7450 (16400)	4650 (10300)			*7850 (17400)	5450 (12000)						
4.5 m (14')		6650 (14600)	3950 (8700)			*8300 (18400)	5250 (11600)	*9900 (21900)	7700 (16900)	*13000 (28600)	12400 (27400)		
3.0 m (9')		6100 (13500)	3600 (7900)	6100 (13500)	3600 (7900)	8350 (18400)	5000 (11000)	*11300 (24900)	7150 (15800)	*15500 (34100)	11200 (24700)		
1.5 m (4')		5950 (13100)	3450 (7600)	6000 (13200)	3500 (7700)	8050 (17800)	4750 (10400)	11550 (25500)	6700 (14800)				
0 m (0')		6100 (13500)	3500 (7800)	5900 (13000)	3400 (7500)	7850 (17300)	4550 (10100)	11250 (24800)	6450 (14200)	*14650 (32300)	10000 (22100)		
-1.5 m (-4')		6650 (14700)	3850 (8500)			7800 (17200)	4500 (9900)	11100 (24500)	6350 (14000)	*16200 (35700)	10050 (22200)		
-3.0 m (-9')		7900 (17400)	4550 (10100)			7850 (17400)	4550 (10100)	*11050 (24300)	6400 (14100)	*14250 (31500)	10250 (22600)	*17150 (37800)	*17150 (37800)
-4.5 m (-14')		*7400 (16400)	6300 (13900)					*8300 (18300)	6700 (14700)	*11050 (24300)	10450 (23100)	*13100 (28900)	*13100 (28900)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300LC-8M0 (Russia source)

Conditions:

Boom: 6470 mm, Bucket (SAE): 1.40 m³, Shoes: 700 mm

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm													
	7.5 m	*5300	5200			*6850	5650						
	6.0 m	*5250	4150			*7250	5600						
	4.5 m	*5400	3550	6350	3800	*7800	5400	*9200	7950				
	3.0 m	5600	3250	6200	3700	8450	5100	*10650	7400	*15000	11750		
	1.5 m	5450	3150	6050	3550	8150	4850	11800	6900	*16700	10700		
	0 m	5550	3200	5900	3400	7950	4600	11400	6550	*17550	10200		
	-1.5 m	5950	3400	5850	3350	7800	4500	11200	6400	*17000	10100	*9600	*9600
	-3.0 m	6850	3950			7800	4500	11200	6400	*15550	10200	*18050	*18050
	-4.5 m	*7550	5150					*9750	6550	*12850	10500	*16600	*16600
	-6.0 m	*6300	*6300							*8150	*8150		
Arm length 4020 mm													
	7.5 m	*4150	*4150										
	6.0 m	*4050	3500	*6250	4100								
	4.5 m	*4150	3100	*6500	4000	*7100	5600						
	3.0 m	*4300	2800	6350	3800	*8000	5300	*9650	7650	*12950	12300		
	1.5 m	*4650	2700	6150	3600	8300	4950	*11200	7100	*15950	11050		
	0 m	4800	2700	5950	3450	8000	4650	11450	6600	*17250	10250		
	-1.5 m	5100	2900	5850	3350	7750	4450	11100	6300	*17250	9850	*9750	*9750
	-3.0 m	5700	3250	5850	3300	7700	4400	11000	6250	*16400	9850	*15450	*15450
	-4.5 m	6950	4000			7800	4500	*10900	6350	*14500	10050	*20000	*20000
	-6.0 m	*6550	5700					*8150	6600	*11050	10300	*14600	*14600
Arm length 2200 mm													
	7.5 m	*8650	7050										
	6.0 m	*8300	5300			*8200	5350	*9100	8050				
	4.5 m	7350	4400			8550	5150	*10250	7550	*13800	12100		
	3.0 m	6700	3950			8250	4900	*11550	7050				
	1.5 m	6500	3800			8000	4700	11450	6600				
	0 m	6700	3850			7850	4500	11150	6350				
	-1.5 m	7350	4250			7800	4500	11100	6300	*15500	10100		
	-3.0 m	*8600	5200					*10550	6450	*13400	10300	*14850	*14850
	-4.5 m	*7750	*7750					*6550	*6550	*9850	*9850		
Arm length 2550 mm													
	7.5 m	*7600	6000										
	6.0 m	*7450	4650			*7850	5450						
	4.5 m	6650	3950			*8300	5250	*9900	7700	*13000	12400		
	3.0 m	6100	3600	6100	3600	8350	5000	*11300	7150	*15500	11200		
	1.5 m	5950	3450	6000	3500	8050	4750	11550	6700				
	0 m	6100	3500	5900	3400	7850	4550	11250	6450	*14650	10000		
	-1.5 m	6650	3850			7800	4500	11100	6350	*16200	10050		
	-3.0 m	7900	4550			7850	4550	*11050	6400	*14250	10250	*17150	*17150
	-4.5 m	*7400	6300					*8300	6700	*11050	10450	*13100	*13100

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC300LC-7 (India source)Conditions: Boom: 6470 mm (21'3"), Bucket: 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (23.6") unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5")													
7.6 m (25')		*4550 (10000)	*4550 (10000)			*6000 (13300)	5550 (12200)						
6.1 m (20')		*4450 (9800)	3900 (8700)			*6650 (14700)	5500 (12100)						
4.6 m (15')		*4600 (10100)	3350 (7400)	6200 (13700)	3650 (8000)	*7200 (15900)	5300 (11700)	*8400 (18500)	7950 (17500)				
3.0 m (10')		*4900 (10800)	3000 (6700)	6050 (13400)	3500 (7700)	*7950 (17500)	5000 (11100)	*9800 (21700)	7400 (16300)	*13150 (28900)	11450 (25200)		
1.5 m (5')		5200 (11500)	2900 (6400)	5900 (11500)	3350 (6400)	8100 (17800)	4750 (10400)	*11000 (24300)	6850 (15100)	*15550 (34200)	10650 (23500)		
0 m (0')		5300 (11700)	2950 (6500)	5800 (12700)	3250 (7200)	7850 (17300)	4500 (9900)	11300 (24900)	6500 (14300)	*16350 (36000)	10100 (22000)	*7450 (16400)	*7450 (16400)
-1.5 m (-5')		5750 (12600)	3200 (7100)	5750 (12600)	3200 (7100)	7700 (17000)	4000 (9700)	11100 (24400)	6300 (13900)	*16000 (35200)	9900 (21800)	*12200 (26900)	*12200 (26900)
-3.0 m (-10')		6650 (14600)	3750 (8300)			7700 (17000)	4000 (9700)	*10900 (24000)	6300 (13800)	*14600 (32200)	9950 (22000)	*18000 (39700)	*18000 (39700)
-4.6 m (-15')		*6800 (15000)	5050 (11200)					*8800 (19400)	6450 (14300)	*11800 (26100)	10250 (22600)	*16050 (35400)	*16050 (35400)
-6.1 m (-20')		*5650 (12500)	*5650 (12500)							*6950 (15300)	*6950 (15300)		

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC350LC-7 (India source)Conditions: Boom: 6470 mm (21'3"), Bucket: 1.4m³ (1.83 cu.yd) unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2600 mm (8'6") Shoes: 600 mm (24")											
7.6 m (25')		*6850 (15100)	6150 (13590)								
6.1 m (20')		*6600 (14550)	4680 (10320)	*6700 (14700)	5300 (11680)						
4.6 m (15')		*6500 (14330)	3930 (8665)	*7100 (15650)	5150 (11350)	*8420 (18560)	7640 (16840)	*10900 (24030)	*10900 (24030)		
3.0 m (10')		*6550 (14440)	3500 (7715)	*7630 (16820)	4850 (10690)	*9560 (21075)	7060 (15560)	*13350 (29430)	11000 (24250)		
1.5 m (5')		*6600 (14550)	3360 (7410)	*8050 (17750)	4600 (10140)	*10400 (22930)	6600 (14550)	*14700 (32410)	10110 (22290)		
0 m (0')		*6700 (14770)	3450 (7605)	*8200 (18080)	4450 (9810)	*10650 (23480)	6300 (13890)	*14750 (32520)	9780 (21560)		
-1.5 m (-5')		*6800 (14990)	3780 (8335)	*7830 (17260)	4400 (9700)	*10300 (22710)	6200 (13670)	*13750 (30315)	9770 (21540)	*12520 (27600)	*12520 (27600)
-3.0 m (-10')		*6700 (14770)	4570 (10075)	*6620 (14595)	4500 (9920)	*9100 (20060)	6280 (13840)	*11950 (26340)	9950 (21930)	*15400 (33950)	*15400 (33950)
-4.6 m (-15')		*6050 (13340)	*6050 (13340)			*6100 (13450)	*6100 (13450)	*8550 (18850)	*8550 (18850)	*10550 (23260)	*10550 (23260)

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC350-8, PC350-8M0 (Japan source)

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5")													
7.5 m (24')		*4900 (10800)	*4900 (10800)			*6400 (14200)	5550 (12300)						
6.0 m (19')		*4800 (10600)	3950 (8800)			*6750 (14800)	5500 (12100)						
4.5 m (14')		*4950 (10900)	3350 (7400)	5500 (12100)	3600 (8000)	*7300 (16100)	5250 (11600)	*8700 (19200)	7950 (17500)				
3.0 m (9')		4750 (10500)	3050 (6700)	5350 (11800)	3450 (7700)	7450 (16400)	4950 (11000)	*10100 (22300)	7400 (16300)	*14400 (31700)	11950 (26300)		
1.5 m (4')		4600 (12000)	2900 (6400)	5150 (11400)	3300 (7300)	7150 (15700)	4700 (10300)	10400 (23000)	6850 (15100)	*16100 (35500)	10850 (23900)		
0 m (0')		4700 (10400)	2950 (6500)	5050 (11100)	3200 (7000)	6900 (15200)	4450 (9900)	10000 (22100)	6500 (14300)	16400 (36100)	10300 (22700)		
-1.5 m (-4')		5100 (11200)	3200 (7100)	5000 (11000)	3150 (6900)	6750 (14900)	4350 (9600)	9800 (21600)	6300 (13900)	16200 (35700)	10150 (22400)	*9050 (19900)	*9050 (19900)
-3.0 m (-9')		5900 (13000)	3800 (8300)			6750 (14900)	4350 (9600)	9800 (21600)	6300 (13900)	*14900 (32800)	10250 (22600)	*17300 (38200)	*17300 (38200)
-4.5 m (-14')		*6950 (15300)	5050 (11100)					*9200 (20200)	6500 (14300)	*12250 (27000)	10550 (23300)	*15900 (35100)	*15900 (35100)
-6.0 m (-19')		*5700 (12600)	*5700 (12600)							*7550 (16600)	*7550 (16600)		

PC350LC-8, PC350LC-8M0 (Japan source)

Conditions: Boom:

6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5")													
7.5 m (24')		*4900 (10800)	*4900 (10800)			*6400 (14200)	5750 (12600)						
6.0 m (19')		*4800 (10600)	4100 (9000)			*6750 (14800)	5650 (12500)						
4.5 m (14')		*4950 (10900)	3500 (7700)	6350 (14100)	3750 (8300)	*7300 (16100)	5450 (12000)	*8700 (19200)	8150 (18000)				
3.0 m (9')		*5300 (11700)	3150 (7000)	6200 (13700)	3600 (7900)	*8100 (17900)	5100 (11300)	*10100 (22300)	7600 (16800)	*14400 (31700)	12250 (27000)		
1.5 m (4')		5400 (11900)	3050 (6700)	6050 (13300)	3450 (7600)	8300 (18300)	4850 (10700)	*11400 (25100)	7100 (15600)	*16100 (35500)	11150 (24600)		
0 m (0')		5500 (12200)	3100 (6800)	5900 (13000)	3300 (7300)	8050 (17800)	4650 (10200)	11700 (25900)	6700 (14800)	*16900 (37200)	10600 (23400)		
-1.5 m (-4')		5950 (13200)	3350 (7400)	5850 (12900)	3250 (7200)	7950 (17500)	4500 (9900)	11500 (25400)	6500 (14400)	*16400 (36100)	10450 (23100)	*9050 (19900)	*9050 (19900)
-3.0 m (-9')		6950 (15300)	3900 (8600)			7950 (17500)	4500 (9900)	*11150 (24500)	6500 (14400)	*14900 (32800)	10600 (23300)	*17300 (38200)	*17300 (38200)
-4.6 m (-14')		*6950 (15300)	5200 (11500)					*9200 (20200)	6700 (14800)	*12250 (27000)	10850 (24000)	*15900 (35100)	*15900 (35100)
-6.0 m (-19')		*5700 (12600)	*5700 (12600)							*7550 (16600)	*7550 (16600)		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC350-8M0 SE spec. (Japan source)

Conditions: Boom: 6000 mm, Lifting mode: ON, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2550 mm Bucket: 1.9 m ³											
	7.5 m	*7150	*7150								
	6.0 m	*6950	5150	*7400	5250	*8550	8200				
	4.5 m	6400	4250	7600	5150	*9500	7800	*12250	*12250		
	3.0 m	5800	3800	7350	4900	*10800	7300	*15200	11850		
	1.5 m	5600	3650	7050	4650	10350	6850	16800	10900		
	0 m	5800	3700	6900	4450	10000	6550	16500	10450	*9500	*9500
	-1.5 m	6400	4150	6800	4400	9900	6400	*15950	10400	*11550	*11550
	-3.0 m	*7900	5150			9950	6500	*13650	10600	*17400	*17400
	-4.5 m	*6850	*6850					*9500	*9500	*11750	*11750
Arm length 2200 mm Bucket: 2.1 m ³											
	7.5 m	*8850	8400								
	6.0 m	*8350	5800			*8800	7900				
	4.5 m	7050	4650	7350	4850	*9650	7500	*12600	12550	*15600	*15600
	3.0 m	6300	4050	7100	4650	10550	7000	*15100	11400		
	1.5 m	6050	3850	6850	4400	10100	6550	16600	10500		
	0 m	6250	3950	6700	4250	9800	6300	16250	10150		
	-1.5 m	7050	4500	6650	4250	9700	6200	*15150	10250	*16800	*16800
	-3.0 m	*8300	5850			*9300	6350	*12550	10450	*15050	*15050
	-4.5 m	*6700	*6700					*7800	*7800		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC350LC-8M0 SE spec. (Japan source)

Conditions: Boom: 6000 mm, Lifting mode: ON, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2550 mm Bucket: 1.9 m ³											
	7.5 m	*7150	*7150								
	6.0 m	*6950	5350	*7400	5400	*8550	8400				
	4.5 m	*7150	4400	*8100	5300	*9500	8050	*12250	*12250		
	3.0 m	6750	3950	8500	5050	*10800	7500	*15200	12150		
	1.5 m	6550	3750	8250	4800	*11850	7050	*17050	11200		
	0 m	6750	3850	8050	4650	11750	6750	*17050	10750	*9500	*9500
	-1.5 m	7500	4300	7950	4550	11600	6600	*15950	10700	*11550	*11550
	-3.0 m	*7900	5350			*10150	6700	*13650	10900	*17400	*17400
	-4.5 m	*6850	*6850					*9500	*9500	*11750	*11750
Arm length 2200 mm Bucket: 2.1 m ³											
	7.5 m	*8850	8600								
	6.0 m	*8350	6000			*8800	8100				
	4.5 m	8150	4800	*8200	5000	*9650	7750	*12600	*12600	*15600	*15600
	3.0 m	7350	4200	8250	4800	*10850	7200	*15100	11700		
	1.5 m	7100	4000	8000	4550	11750	6750	*16750	10800		
	0 m	7350	4100	7850	4400	11500	6500	*16550	10500		
	-1.5 m	8300	4650	7800	4400	*11250	6400	*15150	10550	*16800	*16800
	-3.0 m	*8300	6050			*9300	6550	*12550	10750	*15050	*15050
	-4.5 m	*6700	*6700					*7800	*7800		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC350LC-8 (Brazil source)

Conditions:

Boom: 6500 mm, Bucket: 1.4m³, Shoes: 700 mm

unit :kg

B	A	MAX		9.1 m		7.6 m		6.1 m		4.6 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2550 mm													
7.6 m		*7600	7600										
6.1 m		*7450	5950			*7850	6600						
4.6 m		*7650	5100			*8250	6450	*9750	9250	*12650	*12650		
3.0 m		7450	4700	7250	4550	*8900	6150	*11050	8750	*15100	13500		
1.5 m		7250	4550	7150	4450	*9400	5950	*12100	8300	*15100	12650		
0 m		7450	4600	7050	4350	9300	5750	*12400	8000	*16000	12300		
-1.5 m		*8100	5050			9250	5700	*12050	7900	*15950	12350		
-3.0 m		*8000	5950			*7800	5800	*10800	8000	*14050	12550	*17050	*17050
-4.6 m		*7350	*7350					*7900	*7900	*10750	*10750	*12800	*12800

Conditions:

Boom: 6500 mm, Bucket: 1.4m³, Shoes: 800 mm

unit :kg

B	A	MAX		9.1 m		7.6 m		6.1 m		4.6 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2550 mm													
7.6 m		*7600	7600										
6.1 m		*7450	6000			*7850	6650						
4.6 m		*7650	5150			*8250	6450	*9750	9300	*12650	*12650		
3.0 m		7500	4700	7300	4600	*8900	6200	*11050	8800	*15100	13600		
1.5 m		7300	4550	7200	4450	*9400	5950	*12100	8350	*15100	12700		
0 m		7500	4650	7100	4400	9350	5800	*12400	8050	*16000	12400		
-1.5 m		*8100	5050			9250	5750	*12050	7950	*15950	12450		
-3.0 m		*8000	6000			*7800	5800	*10800	8050	*14050	12600	*17050	*17050
-4.6 m		*7350	*7350					*7900	*7900	*10750	*10750	*12800	*12800

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC360LC-11 (Japan and USA source)

Conditions: Boom: 6500 mm (21'3"), Without bucket, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5") Shoes: 800 mm (31.5")													
7.6 m (25')		*7250 (15900)	*7250 (15900)										
6.1 m (20')		*7050 (15500)	6440 (14200)			*8890 (19600)	7600 (16700)						
4.6 m (15')		*7100 (15600)	5750 (12600)			*9370 (20600)	7430 (16300)	*10740 (23600)	10260 (22600)				
3.0 m (10')		*7380 (16200)	5390 (11800)	8240 (18100)	5570 (12200)	*10030 (22100)	7200 (15800)	*12090 (26600)	9790 (21500)	*16210 (35700)	14630 (32200)		
1.5 m (5')		7820 (17200)	5260 (11600)	8120 (17900)	5460 (12000)	10510 (23100)	6980 (15300)	*13220 (29100)	9370 (20600)	*18180 (40000)	13820 (30400)		
0 m (0')		7990 (17600)	5360 (11800)	8040 (17700)	5390 (11800)	10330 (22700)	6810 (15000)	*13740 (30200)	9100 (20000)	*18550 (40900)	13460 (29600)		
-1.5 m (-5')		8570 (18800)	5710 (12600)			10240 (22500)	6730 (14800)	*13480 (29700)	8980 (19800)	*17720 (39000)	13380 (29500)	*13710 (30200)	*13710 (30200)
-3.0 m (-10')		*8870 (19500)	6490 (14300)			*9440 (20800)	6780 (14900)	*12300 (27100)	9010 (19800)	*15850 (34900)	13490 (29700)	*20540 (45200)	*20540 (45200)
-4.6 m (-15')		*8350 (18400)	8250 (18100)					*9590 (21100)	9210 (20300)	*12560 (27600)	*12560 (27600)	*15670 (34500)	*15670 (34500)
Arm length 3185 mm (10'5") Shoes: 850 mm (33.5")													
7.6 m (25')		*7250 (15900)	*7250 (15900)										
6.1 m (20')		*7050 (15500)	6470 (14200)			*8890 (19600)	7630 (16800)						
4.6 m (15')		*7100 (15600)	5770 (12700)			*9370 (20600)	7460 (16400)	*10740 (23600)	10300 (22700)				
3.0 m (10')		*7380 (16200)	5410 (11900)	8280 (18200)	5590 (12300)	*10030 (22100)	7230 (15900)	*12090 (26600)	9830 (21600)	*16210 (35700)	14690 (32300)		
1.5 m (5')		7850 (17300)	5290 (11600)	8160 (18000)	5490 (12100)	10560 (23200)	7010 (15400)	*13220 (29100)	9410 (20700)	*18180 (40000)	13880 (30600)		
0 m (0')		8030 (17700)	5380 (11800)	8080 (17800)	5410 (11900)	10380 (22800)	6840 (15000)	*13740 (30200)	9140 (20100)	*18550 (40900)	13520 (29800)		
-1.5 m (-5')		8610 (18900)	5740 (12600)			10290 (22700)	6770 (14900)	*13480 (29700)	9020 (19900)	*17720 (39000)	13450 (29600)	*13710 (30200)	*13710 (30200)
-3.0 m (-10')		*8870 (19500)	6520 (14300)			*9440 (20800)	6810 (15000)	*12300 (27100)	9050 (19900)	*15850 (34900)	13550 (29800)	*20540 (45200)	*20540 (45200)
-4.6 m (-15')		*8350 (18400)	8290 (18200)					*9590 (21100)	9260 (20400)	*12560 (27600)	*12560 (27600)	*15670 (34500)	*15670 (34500)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC360LC-11 (Japan and USA source)

Conditions: Boom: 6500 mm (21'3"), Without bucket, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4020 mm (13'2") Shoes: 800 mm (31.5")													
7.6 m (25')		*5610 (12300)	*5610 (12300)			*7750 (17000)	*7750 (17000)						
6.1 m (20')		*5460 (12000)	*5460 (12000)	*6550 (14400)	5740 (12600)	*7950 (17500)	7680 (16900)						
4.6 m (15')		*5470 (12000)	4980 (10900)	*7870 (17300)	5660 (12400)	*8520 (18700)	7470 (16400)						
3.0 m (10')		*5640 (12400)	4700 (10300)	8210 (18100)	5520 (12100)	*9280 (20400)	7190 (15800)	*11020 (24300)	9870 (21700)	*14340 (31600)	*14340 (31600)		
1.5 m (5')		*5950 (13100)	4590 (10100)	8040 (17700)	5370 (11800)	*10010 (22000)	6900 (15200)	*12370 (27200)	9350 (20600)	*16890 (37200)	13900 (30600)		
0 m (0')		*6480 (14200)	4640 (10200)	7910 (17400)	5240 (11500)	10200 (22500)	6670 (14700)	*13230 (29100)	8960 (19700)	*18090 (39800)	13270 (29200)	*8320 (18300)	*8320 (18300)
-1.5 m (-5')		*7330 (16100)	4890 (10700)	7840 (17200)	5180 (11400)	10050 (22100)	6530 (14400)	*13400 (29500)	8740 (19200)	*17980 (39600)	13030 (28700)	*12420 (27300)	*12420 (27300)
-3.0 m (-10')		*8040 (17700)	5410 (11900)			*10020 (22000)	6510 (14300)	*12760 (28100)	8700 (19100)	*16780 (37000)	13030 (28700)	*17840 (39300)	*17840 (39300)
-4.6 m (-15')		*7850 (17300)	6480 (17300)			*8190 (18000)	6640 (14600)	*11040 (24300)	8810 (19400)	*14360 (31600)	13230 (29100)	*19190 (42300)	*19190 (42300)
Arm length 4020 mm (13'2") Shoes: 850 mm (33.5")													
7.6 m (25')		*5610 (1230)	*5610 (12300)			*7750 (17000)	*7750 (17000)						
6.1 m (20')		*5460 (12000)	*5460 (12000)	*6550 (14400)	5770 (12700)	*7950 (17500)	7720 (17000)						
4.6 m (15')		*5470 (12000)	5010 (11000)	*7870 (17300)	5690 (12500)	*8520 (18700)	7500 (16500)						
3.0 m (10')		*5640 (12400)	4720 (10400)	*8220 (18100)	5550 (12200)	*9280 (20400)	7220 (15900)	*11020 (24300)	9910 (21800)	*14340 (31600)	*14340 (31600)		
1.5 m (5')		*5950 (13100)	4610 (10100)	8080 (17800)	5400 (11900)	*10010 (22000)	6940 (15300)	*12370 (27200)	9390 (20700)	*16890 (37200)	13960 (30700)		
0 m (0')		*6480 (14200)	4660 (10200)	7950 (17500)	5270 (11600)	10250 (22600)	6710 (14700)	*13230 (29100)	9000 (19800)	*18090 (39800)	13330 (29400)	*8320 (18300)	*8320 (18300)
-1.5 m (-5')		*7330 (16100)	4910 (10800)	7880 (17300)	5200 (11400)	10100 (22200)	6570 (14400)	*13400 (29500)	8790 (19300)	*17980 (39600)	13090 (28800)	*12420 (27300)	*12420 (27300)
-3.0 m (-10')		*8040 (17700)	5440 (11900)			*10020 (22200)	6540 (14400)	*12760 (28100)	8740 (19200)	*16780 (37000)	13090 (28800)	*17840 (39300)	*17840 (39300)
-4.6 m (-15')		*7850 (17300)	6520 (14300)			*8190 (18000)	6670 (14700)	*11040 (24300)	8860 (19500)	*14360 (31600)	13290 (29300)	*19190 (42300)	*19190 (42300)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC360LC-11 (UK source)

Conditions: One-piece boom: 7060 mm, Without bucket, Shoes: 700 mm

unit :kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2200 mm													
	6.0 m	*9870	7590					*10830	10510				
	4.5 m	*9720	6590			*10110	7340	*11850	10090	*15470	15190		
	3.0 m	9160	6100			*10590	7120	*12990	9600				
	1.5 m	8970	5950			10560	6930	*13720	9230				
	0 m	9250	6100			10430	6810	*13710	9050	*17640	13470		
	-1.5 m	*9740	6640			*10070	6820	*12880	9040	*16140	13560		
	-3.0 m	*9380	7910					*10940	9190	*13650	*13650	*15120	*15120
	-4.5 m	*7880	*7880							*9210	*9210		
	-6.0 m												
Arm length 2600 mm													
	6.0 m	*9390	6960			*9500	7590	*10450	*10450				
	4.5 m	9140	6140			*9880	7420	*11530	10220	*14810	*14810		
	3.0 m	8560	5730			*10440	7190	*12760	9730	*17560	14340		
	1.5 m	8400	5600			10610	6980	*13640	9330				
	0 m	8630	5730			10460	6840	*13820	9110	*18210	13520		
	-1.5 m	*9240	6170			*10390	6810	*13200	9060	*16870	13570	*12670	*12670
	-3.0 m	*8940	7180					*11560	9160	*14570	13750	*17260	*17260
	-4.5 m	*7850	*7850							*10630	*10630		
	-6.0 m												
Arm length 3200 mm													
	6.0 m	*6960	6240			*8760	7640						
	4.5 m	*7030	5570	*7650	5640	*9270	7440	*10700	10320				
	3.0 m	*7310	5220	8280	5530	*9950	7180	*12060	9800	*16280	14670		
	1.5 m	7660	5090	8150	5410	*10530	6930	*13170	9330	*18170	13790		
	0 m	7830	5180	8050	5320	10370	6740	*13660	9040	*18460	13420		
	-1.5 m	8390	5520			10280	6660	*13400	8920	*17600	13360	*13300	*13300
	-3.0 m	*8630	6270			*9470	6710	*12240	8950	*15750	13480	*20330	*20330
	-4.5 m	*8140	7920					*9690	9160	*12560	*12560	*15600	*15600
	-6.0 m												
Arm length 4000 mm													
	6.0 m	*5470	5440	*7220	5870	*7960	7850						
	4.5 m	*5490	4930	*7870	5770	*8560	7610						
	3.0 m	*5660	4650	*8250	5610	*9340	7300	*11130	10030	*14560	*14560		
	1.5 m	*5970	4540	8200	5440	*10080	7000	*12480	9470	*17080	14080		
	0 m	*6490	4590	8040	5300	10390	6750	*13330	9060	*18230	13430	*8100	*8100
	-1.5 m	7320	4830	7960	5230	10220	6600	*13500	8830	*18100	13180	*12160	*12160
	-3.0 m	*7960	5330			*10130	6560	*15870	8780	*16900	13190	*17440	*17440
	-4.5 m	*7780	6350			*8470	6690	*11210	8900	*14530	13400	*19380	*19380
	-6.0 m	*6950	*6950					*7520	*7520	*10320	*10320	*13110	*13110

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC360NLC-10 (UK source)

Conditions: One-piece boom: 7060 mm, Without bucket, Shoes: 700 mm

unit :kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2200 mm													
	6.0 m	*9870	6980					*10830	9650				
	4.5 m	*9720	6050			*10110	6740	*11850	9240	*15470	13790		
	3.0 m	9030	5600			*10590	6530	*12990	8770				
	1.5 m	8840	5450			10410	6340	*13720	8410				
	0 m	9120	5580			10280	6220	*13710	8230	*17640	12120		
	-1.5 m	*9740	6070			*10070	6230	*12880	8220	*16140	12210		
	-3.0 m	*9380	7220					*10940	8360	*13650	12430	*15120	*15120
	-4.5 m	*7880	*7880							*9210	*9210		
	-6.0 m												
Arm length 2600 mm													
	6.0 m	*9390	6410			*9500	6980	*10450	9780				
	4.5 m	9010	5640			*9880	6820	*11530	9370	*14810	14090		
	3.0 m	8440	5260			*10440	6600	*12760	8890	*17560	12960		
	1.5 m	8280	5130			10470	6390	*13640	8500				
	0 m	8510	5240			10310	6250	*13820	8290	*18210	12180		
	-1.5 m	9230	5650			10280	6220	*13200	8240	*16870	12220	*12670	*12670
	-3.0 m	*8940	6560					*11560	8330	*14570	12400	*17260	*17260
	-4.5 m	*7850	*7850							*10630	*10630		
	-6.0 m												
Arm length 3200 mm													
	6.0 m	*6960	5740			*8760	7030						
	4.5 m	*7030	5110	*7650	5180	*9270	6840	*10700	9470				
	3.0 m	*7310	4780	8170	5070	*9950	6580	*12060	8950	*16280	13280		
	1.5 m	7550	4660	8030	4950	10430	6330	*13170	8500	*18170	12430		
	0 m	7720	4740	7940	4860	10220	6150	*13660	8210	*18460	12070		
	-1.5 m	8270	5040			10130	6070	*13400	8090	*17600	12010	*13300	*13300
	-3.0 m	*8630	5720			*9470	6120	*12240	8130	*15750	12120	*20330	*20330
	-4.5 m	*8140	7230					*9690	8340	*12560	12420	*15600	*15600
	-6.0 m												
Arm length 4000 mm													
	6.0 m	*5470	5000	*7220	5400	*7960	7240						
	4.5 m	*5490	4530	*7870	5300	*8560	7010						
	3.0 m	*5660	4260	*8250	5150	*9340	6700	*11130	9180	*14560	13810		
	1.5 m	*5970	4160	8080	4980	*10080	6400	*12480	8630	*17080	12710		
	0 m	*6490	4200	7930	4840	10240	6160	*13330	8230	*18230	12080	*8100	*8100
	-1.5 m	7210	4410	7850	4770	10070	6010	*13500	8010	*18100	11830	*12160	*12160
	-3.0 m	*7960	4870			10040	5980	*12870	7960	*16900	11840	*17440	*17440
	-4.5 m	*7780	5800			*8470	6100	*11210	8070	*14530	12040	*19380	*19380
	-6.0 m	*6950	*6950					*7520	*7520	*10320	*10320	*13110	*13110

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC360LC-10 (Japan source)Conditions: Boom: 6470 mm (21'3"), Bucket 1.4m³ (1.83 cu.yd), Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5") Shoes: 850 mm (33.5")													
6.1 m (20')		*5260 (11600)	*5260 (11600)			*7200 (15850)	6730 (14800)						
3.0 m (10')		*5710 (12600)	4240 (9350)	7290 (16050)	4590 (10100)	*8510 (18750)	6250 (13750)	*10460 (23050)	8910 (19650)	*14590 (32150)	13960 (30750)		
0 m (0')		6750 (14900)	4170 (9200)	7020 (15450)	4340 (9550)	9320 (20550)	5770 (12700)	*12380 (27300)	8070 (17800)	*17200 (37900)	12400 (27350)	*8410 (18550)	*8410 (18550)
-3.0 m (-10')		*7700 (16950)	5160 (11350)			*8680 (19100)	5670 (12500)	*11480 (25300)	7910 (17450)	*15230 (33550)	12400 (27350)	*17810 (39250)	*17810 (39250)
-6.1 m (-15')										*7580 (16700)	*7580 (16700)		

Conditions: Boom: 6470 mm (21'3"), Without bucket, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5") Shoes: 850 mm (33.5")													
6.1 m (20')		*7050 (15550)	6470 (14250)			*8890 (19600)	7630 (16800)						
3.0 m (10')		*7380 (16250)	5410 (11900)	8280 (18250)	5590 (12300)	*10030 (22100)	7230 (15950)	*12090 (26650)	9830 (21650)	*16210 (35750)	14690 (32400)		
0 m (0')		8030 (17700)	5380 (11850)	8080 (17800)	5410 (11900)	10380 (22850)	6840 (15100)	*13740 (20300)	9140 (20150)	*18550 (40900)	13520 (29800)		
-3.0 m (-10')		*8870 (19550)	6520 (14350)			*9440 (20800)	6810 (15000)	*12300 (27100)	9050 (19950)	*15850 (34950)	13550 (29850)	*20540 (45250)	*20540 (45250)
-6.1 m (-15')													

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC390LC-11 (USA source)

Conditions: Boom: 6500 mm (21'3"), Without bucket, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5") Shoes: 800 mm (31.5")													
7.6 m (25')		*7200 (15900)	*7200 (15900)										
6.1 m (20')		*7000 (15500)	*7000 (15500)			*8900 (19650)	8800 (19450)						
4.6 m (15')		*7100 (15650)	6650 (14750)			*9400 (20750)	8650 (19050)	*10800 (23850)	*10800 (23850)				
3.0 m (10')		*7400 (16300)	6300 (13900)	*8800 (19450)	6500 (14400)	*10050 (22200)	8400 (18550)	*12150 (26850)	11400 (25200)	*16350 (36150)	*16350 (36150)		
1.5 m (5')		*7950 (17550)	6200 (13650)	*9000 (19850)	6400 (14150)	*10650 (23450)	8150 (18050)	*13250 (29250)	11000 (24300)	*18250 (40250)	16350 (36150)		
0 m (0')		*8850 (19550)	6300 (13950)	*8900 (19600)	6350 (14000)	*10900 (24000)	8000 (17700)	*13750 (30300)	10750 (23700)	*18500 (40800)	16050 (35350)		
-1.5 m (-5')		*8900 (19700)	6750 (14950)			*10550 (23350)	7950 (17550)	*13400 (29600)	10650 (23450)	*17600 (38850)	15950 (35250)	*14150 (31250)	*14150 (31250)
-3.0 m (-10')		*8850 (19500)	7750 (17050)			*9250 (20500)	8000 (17650)	*12200 (26900)	10700 (23600)	*15650 (34550)	*15650 (34550)	*20250 (44700)	*20250 (44700)
-4.6 m (-15')		*8250 (18250)	*8250 (18250)					*9300 (20500)	*9300 (20500)	*12250 (27000)	*12250 (27000)	*15250 (33600)	*15250 (33600)
Arm length 3185 mm (10'5") Shoes: 900 mm (35.5")													
7.6 m (25')		*7200 (15900)	*7200 (15900)										
6.1 m (20')		*7000 (15500)	*7000 (15500)			*8900 (19650)	8900 (19600)						
4.6 m (15')		*7100 (15650)	6750 (14900)			*9400 (20750)	8700 (19250)	*10800 (23850)	*10800 (23850)				
3.0 m (10')		*7400 (16300)	6350 (14050)	*8800 (19450)	6600 (14550)	*10050 (22200)	8500 (18700)	*12150 (26850)	11550 (25450)	*16350 (36150)	*16350 (36150)		
1.5 m (5')		*7950 (17550)	6250 (13800)	*9000 (19850)	6450 (14300)	*10650 (23450)	8250 (18200)	*13250 (29250)	11100 (24550)	*18250 (40250)	16550 (36500)		
0 m (0')		*8850 (19550)	6400 (14100)	*8900 (19600)	6400 (14150)	*10900 (24000)	8100 (17850)	*13750 (30300)	10850 (23950)	*18500 (40800)	16200 (35750)		
-1.5 m (-5')		*8900 (19700)	6850 (15100)			*10550 (23350)	8000 (17700)	*13400 (29600)	10750 (23700)	*17600 (38850)	16150 (35600)	*14150 (31250)	*14150 (31250)
-3.0 m (-10')		*8850 (19500)	7800 (17250)			*9250 (20500)	8100 (17850)	*12200 (26900)	10800 (23850)	*15650 (34550)	*15650 (34550)	*20250 (44700)	*20250 (44700)
-4.6 m (-15')		*8250 (18250)	8250 (18250)					*9300 (20500)	*9300 (20500)	*12250 (27000)	*12250 (27000)	*15250 (33600)	*15250 (33600)

* Load is limited hydraulic capacity rather than tipping.
 Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC390LC-11 (USA source)

Conditions: Boom: 6500 mm (21'3"), Without bucket, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4020 mm (13'2") Shoes: 800 mm (31.5")													
7.6 m (25')		*5600 (12350)	*5600 (12350)										
6.1 m (20')		*5450 (12050)	*5450 (12050)	*6700 (14850)	6650 (14700)	*7900 (17500)	*7900 (17500)						
4.6 m (15')		*5500 (12100)	*5500 (12100)	*7800 (17300)	6600 (14550)	*8500 (18750)	*8500 (18750)						
3.0 m (10')		*5650 (12500)	*5500 (12100)	*8200 (18050)	6450 (14200)	*9250 (20450)	8350 (18400)	*11050 (24350)	*11050 (24350)	*14450 (31850)	*14450 (31850)		
1.5 m (5')		*6000 (13200)	5350 (11850)	*8500 (18800)	6250 (13850)	*10000 (22000)	8050 (17750)	*12350 (27250)	10900 (24050)	*16900 (37250)	16350 (36050)		
0 m (0')		*6550 (14400)	5450 (12050)	*8700 (19200)	6150 (13550)	*10450 (23050)	7800 (17250)	*13200 (29150)	10550 (23300)	*17950 (39650)	15700 (34650)	*8550 (18900)	*8550 (18900)
-1.5 m (-5')		*7400 (16350)	5750 (12750)	*8500 (18700)	6100 (13450)	*10500 (23150)	7650 (16950)	*13300 (29350)	10300 (22800)	*17800 (39250)	15450 (34150)	*12750 (28150)	*12750 (28150)
-3.0 m (-10')		*7950 (17600)	6400 (14150)			*9850 (21750)	7650 (16900)	*12600 (27800)	10300 (22750)	*16500 (36450)	15500 (34200)	*18300 (40350)	*18300 (40350)
-4.6 m (-15')		*7750 (17100)	7750 (17100)			*7900 (17400)	7800 (17250)	*10750 (23750)	10400 (22950)	*14000 (30900)	*14000 (30900)	*18650 (41150)	*18650 (41150)
Arm length 4020 mm (13'2") Shoes: 900 mm (35.5")													
7.6 m (25')		*5600 (12350)	*5600 (12350)										
6.1 m (20')		*5450 (12050)	*5450 (12050)	*6700 (14850)	6700 (14850)	*7900 (17500)	*7900 (17500)						
4.6 m (15')		*5500 (12100)	*5500 (12100)	*7800 (17300)	6650 (14700)	*8500 (18750)	*8500 (18750)						
3.0 m (10')		*5650 (12500)	5550 (12250)	*8200 (18050)	6500 (14350)	*9250 (20450)	8450 (18600)	*11050 (24350)	*11050 (24350)	*14450 (31850)	*14450 (31850)		
1.5 m (5')		*6000 (13200)	5450 (12000)	*8500 (18800)	6350 (14000)	*10000 (22000)	8150 (17950)	*12350 (27250)	11000 (24300)	*16900 (37250)	16500 (36400)		
0 m (0')		*6550 (14400)	5500 (12200)	*8700 (19200)	6200 (13700)	*10450 (23050)	7900 (17450)	*13200 (29150)	10650 (23550)	*17950 (39650)	15850 (35000)	*8550 (18900)	*8550 (18900)
-1.5 m (-5')		*7400 (16350)	5850 (12900)	*8500 (18700)	6150 (13600)	*10500 (23150)	7750 (17150)	*13300 (29350)	10450 (23000)	*17800 (39250)	15650 (34500)	*12750 (28150)	*12750 (28150)
-3.0 m (-10')		*7950 (17600)	6500 (14300)			*9850 (21750)	7750 (17100)	*12600 (27800)	10400 (22950)	*16500 (36450)	15650 (34550)	*18300 (40350)	*18300 (40350)
-4.6 m (-15')		*7750 (17100)	*7750 (17100)			*7900 (17400)	*7900 (17400)	*10750 (23750)	10500 (23200)	*14000 (30900)	*14000 (30900)	*18650 (41150)	*18650 (41150)

* Load is limited hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC390LC-8M0 (Japan source)

Conditions: Boom: 6000 mm, Shoes: 600 mm, Lifting mode: ON

unit :kg

B	A	MAX		8.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2550 mm Bucket: 2.30 m ³													
7.5 m		*6110	*6110										
6.0 m		*5990	*5990			*6880	6840	*8070	*8070				
4.5 m		*6190	5370	*6870	6210	*7390	7030	*8880	*8880	*11540	*11540		
3.0 m		*6690	4880	*7280	6030	*7740	6790	*9790	9790	*13940	*13940		
1.5 m		*6820	4730	*7420	5860	*8040	6560	*10520	9530	*15120	15120		
0 m		*6910	4900	*7360	5710	*8070	6410	*10740	9240	*15110	14800	*9090	*9090
-1.5 m		*6940	5490			*7490	6300	*10230	9170	*14010	13900	*16070	*16070
-3.0 m		*6710	*6710					*8630	8550	*11770	*11770	*14990	*14990
-4.5 m		*5560	*5560							*7710	*7710		
Arm length 2200 mm (7'3") Bucket: 2.50 m ³ (3.27 cu.yd)													
7.6 m		*7810	*7810										
6.0 m		*7370	7370					*8070	*8070				
4.5 m		*7240	6020			*7390	7030	*8880	*8880	*11540	*11540		
3.0 m		*7270	5410	*7280	6030	*7740	6790	*9790	9790	*13940	*13940		
1.5 m		*7370	5220	*7420	5860	*8040	6550	*10520	9530	*15120	15120		
0 m		*7500	5440			*8070	6410	*10740	9240	*15110	14800		
-1.5 m		*7550	6190					*10230	9170	*14010	*13900	*16070	*16070
-3.0 m		*7260	*7260					*8630	*8550	*11770	*11770	*14990	*14990
-4.6 m										*7710	*7710		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400-8, PC400-8R (Japan source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1")													
7.5 m (24')	*6800 (15000)	6250 (13800)											
6.0 m (19')	*6800 (15000)	5250 (11600)	9050 (20000)	6100 (13400)	*10150 (22400)	8500 (18700)							
4.5 m (14')	*7000 (15400)	4700 (10300)	8850 (19500)	5900 (13000)	*11200 (24700)	8100 (17900)	*13450 (29700)	11750 (25900)					
3.0 m (9')	6750 (14900)	4350 (9600)	8600 (19000)	5650 (12500)	11650 (25600)	7700 (16900)	*15750 (34800)	11000 (24200)	*21600 (47700)	17150 (37800)			
1.5 m (4')	6600 (14600)	4250 (9400)	8350 (18400)	5450 (12000)	11200 (24700)	7300 (16100)	16100 (35500)	10300 (22700)	*16950 (37400)	15850 (34900)			
0.0 m (0')	6750 (14900)	4300 (9500)	8150 (18000)	5250 (11600)	10900 (24100)	7050 (15500)	15600 (34400)	9850 (21800)	*17000 (37500)	15350 (33900)			
-1.5 m (-4')	7200 (15900)	4600 (10200)	8050 (17800)	5150 (11400)	10750 (23700)	6850 (15200)	15350 (33900)	9650 (21300)	*22700 (50100)	15350 (33800)			
-3.0 m (-9')	8150 (18000)	5250 (11600)	8100 (17900)	5200 (11500)	10700 (23600)	6850 (15100)	15400 (33900)	9700 (21400)	*21800 (48000)	15500 (34200)	*18600 (41100)	*18600 (41100)	
-4.5 m (-14')	*9850 (21700)	6500 (14400)			10850 (23900)	7000 (15500)	*14500 (32000)	9900 (21800)	*18550 (40900)	15800 (34900)	*23300 (51300)	*23300 (51300)	
-6.0 m (-19')	*8800 (19500)	*8800 (19500)					*10150 (22400)	*10150 (22400)	*13350 (29400)	*13350 (29400)			
Arm length 4000 mm (13'1") Bucket: 1.6 m ³ (2.09 cu.yd)													
7.5 m (24')	*5850 (12900)	5600 (12400)			*8550 (18800)	6350 (14000)							
6.0 m (19')	*5800 (12800)	4800 (10600)			*8800 (19400)	6250 (13800)							
4.5 m (14')	*6000 (13200)	4300 (9500)	6800 (15000)	4450 (9800)	9000 (19800)	6000 (13300)	*10500 (23100)	8300 (18300)					
3.0 m (9')	6250 (13700)	4000 (8800)	6650 (14700)	4350 (9500)	8700 (19200)	5750 (12700)	*11800 (26000)	7850 (17300)	*14700 (32500)	11250 (24800)	*20750 (45800)	17700 (39100)	
1.5 m (4')	6100 (13500)	3900 (8600)	6500 (14400)	4200 (9200)	8400 (18500)	5500 (12100)	11300 (25000)	7400 (16300)	16250 (35900)	10450 (23100)	*23300 (51300)	16150 (35600)	
0.0 m (0')	6200 (13700)	3950 (8700)	6400 (14100)	4050 (9000)	8200 (18100)	5250 (11600)	10950 (24100)	7050 (15600)	15650 (34500)	9900 (21900)	*20450 (45150)	15350 (33800)	
-1.5 m (-4')	6550 (14500)	4150 (9200)	6300 (13900)	4000 (8800)	8050 (17700)	5150 (11300)	10700 (23600)	6850 (15100)	15300 (33700)	9600 (21200)	*23250 (51300)	15050 (33200)	
-3.0 m (-9')	7300 (16100)	4650 (10200)			8000 (17700)	5100 (11300)	10600 (23400)	6750 (14900)	15200 (33500)	9500 (21000)	*22850 (50400)	15150 (33400)	
-4.5 m (-14')	8750 (19300)	5600 (12300)					10700 (23600)	6850 (15100)	15300 (33700)	9650 (21300)	*20200 (44500)	15400 (34000)	
-6.0 m (-19')	*9150 (20100)	7650 (166900)					*8250 (18100)	7150 (15800)	*12250 (27000)	10000 (22000)	*15850 (35000)	15750 (34700)	

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400-8, PC400-8R (Japan source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm (7'10")													
7.5 m (24')	*11050 (24400)	7950 (17600)			*11050 (24300)	8450 (18600)							
6.0 m (19')	9650 (21300)	6450 (14300)			*11400 (25100)	8250 (18200)	*13150 (28900)	12050 (26500)					
4.5 m (14')	8550 (18900)	5650 (12500)	8750 (19300)	5800 (12800)	11850 (26200)	7900 (17500)	*15150 (33400)	11350 (25100)					
3.0 m (9')	8000 (17600)	5250 (11600)	8550 (18800)	5600 (12400)	11450 (25300)	7550 (16700)	16450 (36300)	10650 (23500)					
1.5 m (4')	7850 (17300)	5100 (11300)	8350 (18400)	5450 (12000)	11150 (24600)	7250 (16000)	15850 (35000)	10150 (22300)					
0.0 m (0')	8100 (17800)	5250 (11500)	8250 (18100)	5300 (11700)	10900 (24100)	7050 (15600)	15550 (34300)	9850 (21700)					
-1.5 m (-4')	8800 (19400)	5700 (12500)	8250 (18100)	5300 (11700)	10850 (23900)	7000 (15400)	15500 (34200)	9800 (21600)	*18450 (40700)	15600 (34400)			
-3.0 m (-9')	10350 (22800)	6700 (14800)			10950 (24100)	7100 (15600)	*15600 (34300)	9950 (21900)	*19150 (42200)	16000 (35200)	*18450 (40700)	*18450 (40700)	
-4.5 m (-14')	*10500 (23100)	9000 (19900)					*12200 (26900)	10250 (22600)	*15150 (33400)	*15150 (33400)			
Arm length 2900 mm (9'6")													
7.5 m (24')	*10050 (22200)	7200 (15900)			*10100 (22300)	8500 (18700)							
6.0 m (19')	8900 (19600)	5900 (13000)	8850 (19500)	5900 (13000)	*10650 (23400)	8250 (18200)							
4.5 m (14')	7900 (17400)	5150 (11400)	8650 (19100)	5700 (12600)	*11600 (25600)	7900 (17400)	*14150 (31200)	11400 (25100)	*18550 (40900)	18200 (40200)			
3.0 m (9')	7400 (16300)	4750 (10500)	8450 (18600)	5500 (12100)	11400 (25100)	7450 (16500)	*16300 (35900)	10650 (23500)					
1.5 m (4')	7250 (15900)	4650 (10200)	8200 (18100)	5300 (11700)	11000 (24300)	7100 (15700)	15750 (34800)	10000 (22100)					
0.0 m (0')	7400 (16300)	4700 (10400)	8050 (17700)	5150 (11300)	10750 (23700)	6850 (15100)	15350 (33800)	9650 (21300)					
-1.5 m (-4')	8000 (17600)	5100 (11200)	8000 (17600)	5100 (11200)	10600 (23400)	6750 (14900)	15200 (33500)	9500 (21000)	*22650 (49900)	15250 (33600)			
-3.0 m (-9')	9250 (20400)	5900 (13000)			10650 (23500)	6800 (15000)	15300 (33800)	9600 (21200)	*20350 (44800)	15450 (34100)	*22050 (48600)	*22050 (48600)	
-4.5 m (-14')	*10550 (23200)	7700 (17000)			*9350 (20600)	7050 (15500)	*13300 (29300)	9900 (21800)	*16700 (36800)	15650 (34500)	*19650 (43400)	*19650 (43400)	

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400-7 (Japan, Russia source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1")													
7.5 m (24')		*5750 (12600)	*5750 (12600)	*6700 (14700)	6300 (13800)								
6.0 m (19')		*5750 (12600)	5150 (11300)	*8400 (18500)	6250 (13700)	*9150 (20100)	8700 (19100)						
4.5 m (14')		*5950 (13000)	4650 (10100)	*8850 (19500)	6050 (13300)	*10100 (22100)	8350 (18300)	*12050 (26500)	*12050 (26500)				
3.0 m (9')		*6250 (13700)	4350 (9500)	8850 (19400)	5850 (12800)	*11100 (24400)	7900 (17400)	*13900 (30600)	11250 (24700)	*19450 (42800)	17450 (38400)		
1.5 m (4')		6600 (14400)	4250 (9300)	8600 (18800)	5600 (12300)	11500 (25200)	7550 (16500)	*15400 (33900)	10550 (23200)	*20800 (45800)	16100 (35400)		
0.0 m (0')		6750 (14700)	4300 (9400)	8400 (18400)	5450 (11900)	11150 (24500)	7250 (15900)	15850 (34900)	10100 (22100)	*19800 (43600)	15550 (34200)		
-1.5 m (-4')		7150 (15700)	4600 (10100)	8300 (18200)	5350 (11700)	11000 (24100)	7050 (15500)	15650 (34400)	9850 (21700)	*21500 (47300)	15400 (33900)	*12950 (28500)	*12950 (28500)
-3.0 m (-9')		8050 (17700)	5200 (11400)	8300 (18300)	5400 (11800)	10950 (24100)	7050 (15500)	*15050 (33100)	9850 (21700)	*19700 (43400)	15550 (34100)	*19000 (41800)	*19000 (41800)
-4.5 m (-14')		*8550 (18700)	6400 (14000)			*9900 (21800)	7200 (15800)	*13000 (28600)	10050 (22100)	*16750 (36800)	15850 (34900)	*21750 (47900)	*21750 (47900)
-6.0 m (-19')		*7700 (16900)	*7700 (16900)					*9050 (19800)	*9050 (19800)	*11950 (26200)	*11950 (26200)		
Arm length 4000 mm (13'1")													
7.5 m (24')		*4900 (10800)	*4900 (10800)	*7550 (16500)	6450 (14100)								
6.0 m (19')		*4900 (10700)	4650 (10200)	7800 (17100)	6350 (13900)								
4.5 m (14')		*5050 (11000)	4200 (9200)	*8350 (18300)	6150 (13400)	*9350 (20600)	8450 (18600)						
3.0 m (9')		*5300 (11600)	3950 (8600)	8850 (19500)	5900 (12900)	*10500 (23000)	8000 (17600)	*12950 (28500)	11450 (25100)	*17750 (39100)	*17750 (39100)		
1.5 m (4')		*5750 (12600)	3850 (8400)	8600 (18900)	5600 (12300)	*11500 (25300)	7550 (16600)	*14700 (32300)	10650 (23400)	*20800 (45800)	16400 (36100)		
0.0 m (0')		*6150 (13400)	3900 (8500)	8350 (18300)	5400 (11800)	11150 (24500)	7200 (15800)	*15750 (34700)	10050 (22100)	*21900 (48200)	15550 (34200)	*8550 (18800)	*8550 (18800)
-1.5 m (-4')		6450 (14200)	4100 (9000)	8200 (18000)	5250 (11500)	10900 (23900)	6950 (15300)	*15500 (34100)	9750 (21400)	*21850 (48100)	15250 (33500)	*12500 (27500)	*12500 (27500)
-3.0 m (-9')		7200 (15700)	4600 (10000)	8150 (17900)	5200 (11400)	10800 (23700)	6900 (15100)	*15400 (33900)	9650 (21200)	*20550 (45300)	15250 (33500)	*17350 (38100)	*17350 (38100)
-4.5 m (-14')		*8200 (18000)	5500 (12000)			*10700 (23500)	6950 (15300)	*13850 (30400)	9750 (21500)	*18150 (39900)	15450 (34000)	*23400 (51500)	*23400 (51500)
-6.0 m (-19')		*7850 (17200)	7350 (16100)					*10700 (23500)	9900 (21800)	*14150 (31100)	*14150 (31100)	*18550 (40800)	*18550 (40800)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400-7 (Japan, Russia source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm (7'10")													
7.5 m (24')	*9700 (21300)	7750 (17000)			*9850 (21600)	8600 (18900)							
6.0 m (19')	*9500 (20800)	6400 (14000)			*10300 (22600)	8450 (18600)							
4.5 m (14')	8500 (18600)	5650 (12300)	8950 (19600)	5950 (13000)	*11100 (24300)	8150 (17900)	*13500 (29700)	11650 (25600)	*18400 (40500)	18150 (40000)			
3.0 m (9')	7950 (17500)	5250 (11500)	8750 (19200)	5800 (12700)	11750 (25800)	7800 (17100)	*14900 (32800)	10650 (23400)					
1.5 m (4')	7850 (17200)	5100 (11200)	8600 (18800)	5600 (12300)	11400 (25100)	7450 (16400)	16150 (35500)	10350 (22700)					
0.0 m (0')	8050 (17700)	5250 (11500)	8450 (18600)	5500 (12100)	11150 (24600)	7250 (15900)	15800 (34800)	10050 (22000)	*15150 (33400)	*15150 (33400)			
-1.5 m (-4')	8750 (19200)	5700 (12500)			11100 (24400)	7200 (15800)	*15600 (34400)	9950 (21900)	*19950 (43900)	15600 (34300)			
-3.0 m (-9')	*9850 (21600)	6650 (14600)			*10850 (23900)	7250 (15900)	*14000 (30700)	10100 (22200)	*17550 (38600)	15900 (34900)	*20600 (45400)	*20600 (45400)	
-4.5 m (-14')	*9300 (20400)	8800 (19300)					*10700 (23500)	10150 (22300)	*13700 (30100)	*13700 (30100)			
Arm length 2900 mm (9'6")													
7.5 m (24')	*8800 (19400)	7000 (15300)			*9100 (19900)	8700 (19100)							
6.0 m (19')	8700 (19100)	5800 (12700)	*8800 (19300)	6050 (13300)	*9600 (21100)	8500 (18700)							
4.5 m (14')	7800 (17100)	5150 (11200)	*8900 (19600)	5900 (13000)	*10450 (23000)	8150 (17900)	*12650 (27800)	11750 (25800)	*16850 (37100)	*16850 (37100)			
3.0 m (9')	7350 (16100)	4800 (10500)	*8700 (19100)	5700 (12500)	*11400 (25100)	7750 (17000)	*14400 (31700)	10950 (24000)					
1.5 m (4')	7200 (15800)	4650 (10200)	*8500 (18600)	5500 (12100)	11300 (24900)	7350 (16200)	*15650 (34400)	10250 (22600)					
0.0 m (0')	7400 (16200)	4750 (10400)	*8300 (18300)	5350 (11700)	11050 (24200)	7100 (15600)	15650 (34400)	9900 (21700)	*20500 (45100)	15250 (33500)			
-1.5 m (-4')	7950 (17400)	5100 (11200)	*8250 (18100)	5300 (11600)	10900 (24000)	7000 (15300)	15500 (34100)	9750 (21400)	*20650 (45500)	15250 (33500)	*14800 (32600)	*14800 (32600)	
-3.0 m (-9')	9100 (20000)	5900 (12900)			10950 (24000)	7000 (15400)	*14400 (31700)	9800 (21500)	*18500 (40700)	15450 (34000)	*22800 (50200)	*22800 (50200)	
-4.5 m (-14')	*9200 (20200)	7500 (16500)					*11900 (26200)	10050 (22100)	*15150 (33000)	*15150 (33300)	*18700 (41100)	*18700 (41100)	
-6.0 m (-19')	*7850 (17200)	*7850 (17200)											

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400LC-8, PC400LC-8R (Japan source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1")													
7.5 m (24')		*6800 (15000)	6450 (14200)										
6.0 m (19')		*6800 (15000)	5450 (12000)	*9400 (20700)	6300 (13900)	*10150 (22400)	8750 (19300)						
4.5 m (14')		*7000 (15400)	4850 (10700)	9900 (21800)	6100 (13500)	*11200 (24700)	8350 (18500)	*13450 (29700)	12050 (26600)				
3.0 m (9')		*7400 (16400)	4550 (10000)	9900 (21800)	5850 (12900)	*12400 (27400)	7950 (17500)	*15750 (34800)	11300 (25000)	*21600 (47700)	17650 (38900)		
1.5 m (4')		7650 (16900)	4400 (9800)	9650 (21200)	5650 (12400)	12950 (28500)	7550 (16700)	*17450 (38500)	10650 (23500)	*16950 (37400)	16350 (36100)		
0.0 m (0')		7800 (17200)	4500 (9900)	9450 (20800)	5450 (12000)	12600 (27800)	7300 (16100)	*18050 (39800)	10200 (22500)	*17000 (37500)	15850 (35000)		
-1.5 m (-4')		8350 (18400)	4800 (10600)	9350 (20600)	5400 (11900)	12450 (27400)	7150 (15700)	*17900 (39400)	10000 (22100)	*22700 (50100)	15850 (34900)		
-3.0 m (-9')		9450 (20800)	5450 (12000)	9350 (20700)	5400 (11900)	12450 (27400)	7100 (15700)	*16800 (37000)	10050 (22100)	*21800 (48000)	16000 (35300)	*18600 (41100)	*18600 (41100)
-4.5 m (-14')		*9850 (21700)	6750 (14900)			*11050 (24400)	7300 (16000)	*14500 (32000)	10250 (22600)	*18550 (40900)	16350 (36100)	*23300 (51300)	*23300 (51300)
-6.0 m (-19')		*8800 (19500)	*8800 (19500)					*10150 (22400)	*10150 (22400)	*13350 (29400)	*13350 (29400)		
Arm length 4000 mm (13'1") Bucket: 1.6 m ³ (2.09 cu.yd)													
7.5 m (24')		*5850 (12900)	5800 (12800)			*8550 (18800)	6550 (14400)						
6.0 m (19')		*5800 (12800)	4950 (11000)			*8800 (19400)	6450 (14200)						
4.5 m (14')		*6000 (13200)	4450 (9800)	7800 (17300)	4650 (10200)	*9350 (20600)	6250 (13700)	*10500 (23100)	8550 (18900)				
3.0 m (9')		*6300 (13900)	4150 (9200)	7700 (16900)	4500 (9900)	10000 (22000)	5950 (13100)	*11800 (26000)	8100 (17800)	*14700 (32500)	11550 (25500)	*20750 (45800)	18200 (40200)
1.5 m (4')		*6850 (15100)	4050 (8900)	7500 (16600)	4350 (9600)	9700 (21400)	5700 (12500)	*12950 (28600)	7650 (16900)	*16750 (36900)	10800 (23800)	*23300 (51300)	16650 (36800)
0.0 m (0')		7200 (15800)	4100 (9000)	7400 (16300)	4250 (9300)	9450 (20900)	5500 (12100)	12650 (27900)	7300 (16100)	*17800 (39200)	10250 (22600)	*20450 (45150)	15850 (35000)
-1.5 m (-4')		7600 (16800)	4350 (9600)	7350 (16200)	4200 (9200)	9300 (20500)	5350 (11800)	12400 (27400)	7100 (15600)	17850 (39400)	9950 (21900)	*23250 (51300)	15600 (34400)
-3.0 m (-9')		8450 (18600)	4850 (10700)			9300 (20500)	5300 (11700)	12300 (27200)	7000 (15500)	*17250 (38100)	9850 (21700)	*22850 (50400)	15650 (34500)
-4.5 m (-14')		*9550 (21100)	5800 (12800)					*12050 (26600)	7100 (15700)	*15550 (34300)	10000 (22000)	*20200 (44500)	15950 (35100)
-6.0 m (-19')		*9150 (20100)	7950 (17500)					*8250 (18100)	7400 (16300)	*12250 (27000)	10350 (22800)	*15850 (35000)	*15850 (35000)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400LC-8, PC400LC-8R (Japan source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm (7'10")													
7.5 m (24')	*11050 (24400)	8200 (18100)			*11050 (24300)	8700 (19200)							
6.0 m (19')	*10800 (23900)	6700 (14800)			*11400 (25100)	8550 (18800)	*13150 (28900)	12400 (27300)					
4.5 m (14')	9800 (21600)	5850 (12900)	10000 (22100)	6000 (13200)	*12300 (27100)	8200 (18000)	*15150 (33400)	11700 (25800)					
3.0 m (9')	9200 (20300)	5450 (12000)	9800 (21600)	5800 (12800)	13200 (29100)	7800 (17200)	*17200 (37900)	11000 (24300)					
1.5 m (4')	9050 (19900)	5300 (11700)	9600 (21200)	5650 (12400)	12850 (28300)	7500 (16600)	*18200 (40100)	10450 (23100)					
0.0 m (0')	9300 (20500)	5450 (12000)	9500 (20900)	5550 (12200)	12650 (27800)	7300 (16100)	18150 (40000)	10200 (22500)					
-1.5 m (-4')	10150 (22400)	5900 (13000)	9500 (20900)	5550 (12200)	12550 (27700)	7250 (16000)	*17400 (38300)	10150 (22400)	*18450 (40700)	16100 (35500)			
-3.0 m (-9')	*11200 (24700)	6950 (15300)			*12100 (26700)	7350 (16200)	*15600 (34300)	10300 (22700)	*19150 (42200)	16500 (36400)	*18450 (40700)	*18450 (40700)	
-4.5 m (-14')	*10500 (23100)	9300 (20600)					*12200 (26900)	10600 (23400)	*15150 (33400)	*15150 (33400)			
Arm length 2900 mm (9'6")													
7.5 m (24')	*10050 (22200)	7400 (16400)			*10100 (22300)	8750 (19300)							
6.0 m (19')	*9900 (21900)	6100 (13500)	*9800 (21600)	6100 (13400)	*10650 (23400)	8550 (18800)							
4.5 m (14')	9100 (20000)	5350 (11800)	9950 (22000)	5900 (13100)	*11600 (25600)	8150 (18000)	*14150 (31200)	11750 (25900)	*18550 (40900)	18550 (40900)			
3.0 m (9')	8500 (18800)	4950 (10900)	9700 (21400)	5700 (12600)	*12700 (28000)	7700 (17000)	*16300 (35900)	11000 (24200)					
1.5 m (4')	8350 (18400)	4800 (10600)	9500 (20900)	5500 (12100)	12750 (28100)	7350 (16300)	*17650 (38900)	10350 (22800)					
0.0 m (0')	8550 (18900)	4900 (10800)	9300 (20500)	5350 (11800)	12450 (27400)	7100 (15700)	*17900 (39500)	10000 (22000)					
-1.5 m (-4')	9250 (20400)	5300 (11700)	9250 (20400)	5300 (11700)	12300 (27100)	7000 (15400)	*17450 (38500)	9850 (21700)	*22650 (49900)	15750 (34700)			
-3.0 m (-9')	10700 (23600)	6150 (13500)			12350 (27200)	7050 (15500)	*16050 (35400)	9950 (22000)	*20350 (44800)	16000 (35200)	*22050 (48600)	*22050 (48600)	
-4.5 m (-14')	*10550 (23200)	7950 (17600)			*9350 (20600)	7300 (16100)	*13300 (29300)	10250 (22600)	*16700 (36800)	16150 (35600)	*19650 (43400)	*19650 (43400)	

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400-7 (Japan, Russia source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1")													
7.5 m (24')		*5750 (12600)	*5750 (12600)	*6700 (14700)	6300 (13800)								
6.0 m (19')		*5750 (12600)	5150 (11300)	*8400 (18500)	6250 (13700)	*9150 (20100)	8700 (19100)						
4.5 m (14')		*5950 (13000)	4650 (10100)	*8850 (19500)	6050 (13300)	*10100 (22100)	8350 (18300)	*12050 (26500)	*12050 (26500)				
3.0 m (9')		*6250 (13700)	4350 (9500)	8850 (19400)	5850 (12800)	*11100 (24400)	7900 (17400)	*13900 (30600)	11250 (24700)	*19450 (42800)	17450 (38400)		
1.5 m (4')		6600 (14400)	4250 (9300)	8600 (18800)	5600 (12300)	11500 (25200)	7550 (16500)	*15400 (33900)	10550 (23200)	*20800 (45800)	16100 (35400)		
0.0 m (0')		6750 (14700)	4300 (9400)	8400 (18400)	5450 (11900)	11150 (24500)	7250 (15900)	15850 (34900)	10100 (22100)	*19800 (43600)	15550 (34200)		
-1.5 m (-4')		7150 (15700)	4600 (10100)	8300 (18200)	5350 (11700)	11000 (24100)	7050 (15500)	15650 (34400)	9850 (21700)	*21500 (47300)	15400 (33900)	*12950 (28500)	*12950 (28500)
-3.0 m (-9')		8050 (17700)	5200 (11400)	8300 (18300)	5400 (11800)	10950 (24100)	7050 (15500)	*15050 (33100)	9850 (21700)	*19700 (43400)	15550 (34100)	*19000 (41800)	*19000 (41800)
-4.5 m (-14')		*8550 (18700)	6400 (14000)			*9900 (21800)	7200 (15800)	*13000 (28600)	10050 (22100)	*16750 (36800)	15850 (34900)	*21750 (47900)	*21750 (47900)
-6.0 m (-19')		*7700 (16900)	*7700 (16900)					*9050 (19800)	*9050 (19800)	*11950 (26200)	*11950 (26200)		
Arm length 4000 mm (13'1")													
7.5 m (24')		*4900 (10800)	*4900 (10800)	*7550 (16500)	6450 (14100)								
6.0 m (19')		*4900 (10700)	4650 (10200)	7800 (17100)	6350 (13900)								
4.5 m (14')		*5050 (11000)	4200 (9200)	*8350 (18300)	6150 (13400)	*9350 (20600)	8450 (18600)						
3.0 m (9')		*5300 (11600)	3950 (8600)	8850 (19500)	5900 (12900)	*10500 (23000)	8000 (17600)	*12950 (28500)	11450 (25100)	*17750 (39100)	*17750 (39100)		
1.5 m (4')		*5750 (12600)	3850 (8400)	8600 (18900)	5600 (12300)	*11500 (25300)	7550 (16600)	*14700 (32300)	10650 (23400)	*20800 (45800)	16400 (36100)		
0.0 m (0')		*6150 (13400)	3900 (8500)	8350 (18300)	5400 (11800)	11150 (24500)	7200 (15800)	*15750 (34700)	10050 (22100)	*21900 (48200)	15550 (34200)	*8550 (18800)	*8550 (18800)
-1.5 m (-4')		6450 (14200)	4100 (9000)	8200 (18000)	5250 (11500)	10900 (23900)	6950 (15300)	*15500 (34100)	9750 (21400)	*21850 (48100)	15250 (33500)	*12500 (27500)	*12500 (27500)
-3.0 m (-9')		7200 (15700)	4600 (10000)	8150 (17900)	5200 (11400)	10800 (23700)	6900 (15100)	*15400 (33900)	9650 (21200)	*20550 (45300)	15250 (33500)	*17350 (38100)	*17350 (38100)
-4.5 m (-14')		*8200 (18000)	5500 (12000)			*10700 (23500)	6950 (15300)	*13850 (30400)	9750 (21500)	*18150 (39900)	15450 (34000)	*23400 (51500)	*23400 (51500)
-6.0 m (-19')		*7850 (17200)	7350 (16100)					*10700 (23500)	9900 (21800)	*14150 (31100)	*14150 (31100)	*18550 (40800)	*18550 (40800)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC400LC-7 (Japan, Russia source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 700 mm (28")

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm (9'6")													
7.5 m (24')	*9700 (21300)	8000 (17600)			*9850 (21600)	8900 (19500)							
6.0 m (19')	*9500 (20800)	6600 (14500)			*10300 (22600)	8750 (19200)							
4.5 m (14')	*9450 (20800)	5850 (12800)	*9650 (21200)	6150 (13500)	*11100 (24300)	8400 (18500)	*13500 (29700)	12000 (26300)	*18400 (40500)	*18400 (40500)			
3.0 m (9')	9150 (20100)	5450 (11900)	*10050 (22000)	6000 (13100)	*11950 (26200)	8050 (17600)	*14900 (32800)	10950 (24100)					
1.5 m (4')	9000 (19800)	5300 (11600)	9850 (21700)	5850 (12800)	*12550 (27600)	7700 (16900)	*16150 (35600)	10650 (23400)					
0.0 m (0')	9250 (20400)	5450 (11900)	9750 (21400)	5700 (12500)	*12750 (28000)	7500 (16500)	*16300 (35900)	10400 (22800)	*15150 (33400)	*15150 (33400)			
-1.5 m (-4')	*9900 (21800)	5900 (12900)			*12250 (27000)	7450 (16300)	*15600 (34400)	10300 (22700)	*19950 (43900)	16100 (35400)			
-3.0 m (-9')	*9850 (21600)	6900 (15100)			*10850 (23900)	7500 (16500)	*14000 (30700)	10450 (22900)	*17550 (38600)	16400 (36000)	*20600 (45400)	*20600 (45400)	
-4.5 m (-14')	*9300 (20400)	9100 (19900)					*10700 (23500)	10500 (23100)	*13700 (30100)	*13700 (30100)			
Arm length 2900 mm (9'6")													
7.5 m (24')	*8800 (19400)	7200 (15800)			*9100 (19900)	8950 (19700)							
6.0 m (19')	*8700 (19100)	6000 (13100)	*8800 (19300)	6250 (13700)	*9600 (21100)	8750 (19200)							
4.5 m (14')	*8700 (19100)	5300 (11700)	*9150 (20100)	6150 (13400)	*10450 (23000)	8400 (18500)	*12650 (27800)	12100 (26600)	*16850 (37100)	*16850 (37100)			
3.0 m (9')	8450 (18500)	4950 (10900)	*9600 (21100)	5900 (13000)	*11400 (25100)	8000 (17600)	*14400 (31700)	11300 (24800)					
1.5 m (4')	8300 (18200)	4850 (10600)	9750 (21400)	5700 (12500)	*12150 (26700)	7600 (16700)	*15650 (34400)	10600 (23300)					
0.0 m (0')	8500 (18700)	4950 (10800)	9600 (21100)	5550 (12200)	*12500 (27500)	7350 (16100)	*16100 (35400)	10200 (22500)	*20500 (45100)	15750 (34600)			
-1.5 m (-4')	9200 (20100)	5300 (11600)	9550 (20900)	5500 (12100)	*12250 (27000)	7250 (15900)	*15700 (34600)	10100 (22100)	*20650 (45500)	15750 (34600)	*14800 (32600)	*14800 (32600)	
-3.0 m (-9')	*9400 (20700)	6100 (13400)			*11250 (24700)	7300 (16000)	*14400 (31700)	10150 (22300)	*18500 (40700)	15950 (35100)	*22800 (50200)	*22800 (50200)	
-4.5 m (-14')	*9200 (20200)	7800 (17100)					*11900 (26200)	10400 (22900)	*15150 (33300)	*15150 (33300)	*18700 (41100)	*18700 (41100)	
-6.0 m (-19')	*7850 (17200)	*7850 (17200)											

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC450-8, PC450-8R (Japan source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1")													
7.5 m (24')	*6000 (13200)	5850 (12900)											
6.0 m (19')	*6000 (13200)	4850 (10700)	8750 (19300)	5700 (12600)	*9600 (21200)	8200 (18100)							
4.5 m (14')	*6200 (13600)	4250 (9400)	8550 (18900)	5500 (12200)	*10600 (23300)	7800 (17200)	*12800 (28200)	11500 (25400)					
3.0 m (9')	6350 (14000)	3950 (8700)	8300 (18300)	5300 (11600)	11400 (25100)	7350 (16200)	*14950 (33000)	10650 (23500)	*20900 (46100)	16850 (37200)			
1.5 m (4')	6200 (13700)	3800 (8400)	8000 (17700)	5050 (11100)	10900 (24000)	6900 (15300)	15850 (34900)	9950 (21900)	*17650 (38900)	15450 (34100)			
0.0 m (0')	6350 (14000)	3850 (8500)	7800 (17200)	4850 (10700)	10550 (23300)	6600 (14600)	15300 (33700)	9450 (20800)	*17800 (39200)	14950 (32900)			
-1.5 m (-4')	6800 (15000)	4150 (9200)	7700 (17000)	4750 (10500)	10400 (22900)	6450 (14200)	15050 (33200)	9250 (20400)	*22950 (50600)	14950 (32900)			
-3.0 m (-9')	7750 (17100)	4800 (10600)	7750 (17100)	4750 (10500)	10400 (22900)	6450 (14200)	15100 (33300)	9300 (20500)	*20950 (46200)	15100 (33300)	*21700 (47800)	*21700 (47800)	
-4.5 m (-14')	*9100 (20100)	6050 (13400)			*10350 (22800)	6600 (14600)	*13750 (30400)	9500 (20900)	*17700 (39100)	15450 (34100)	*22350 (49300)	*22350 (49300)	
-6.0 m (-19')	*8050 (17700)	*8050 (17700)					*9450 (20800)	*9450 (20800)	*12600 (27700)	*12600 (27700)			

PC450LC-8, PC450LC-8R (Japan source)

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1")													
7.5 m (24')	*6000 (13200)	5950 (13200)											
6.0 m (19')	*6000 (13200)	4950 (10900)	*8850 (19500)	5800 (12800)	*9600 (21200)	8350 (18400)							
4.5 m (14')	*6200 (13600)	4350 (9600)	*9250 (20400)	5650 (12400)	*10600 (23300)	7950 (17500)	*12800 (28200)	11700 (25800)					
3.0 m (9')	*6550 (14500)	4000 (8900)	9400 (20800)	5400 (11900)	*11750 (25900)	7500 (16500)	*14950 (33000)	10850 (23900)	*20900 (46100)	17150 (37800)			
1.5 m (4')	7150 (15700)	3900 (8600)	9150 (20200)	5150 (11300)	12450 (27400)	7050 (15500)	*16650 (36700)	10100 (22300)	*17650 (38900)	15750 (34700)			
0.0 m (0')	7300 (16100)	3950 (8700)	8950 (19700)	4950 (10900)	12100 (26700)	6750 (14900)	*17300 (38200)	9650 (21200)	*17800 (39200)	15200 (33500)			
-1.5 m (-4')	7800 (17200)	4250 (9400)	8850 (19500)	4850 (10700)	11900 (26300)	6600 (14500)	*17100 (37700)	9450 (20800)	*22950 (50600)	15200 (33500)			
-3.0 m (-9')	8900 (19600)	4900 (10800)	8850 (19600)	4900 (10800)	11900 (26300)	6550 (14500)	*16000 (35300)	9450 (20900)	*20950 (46200)	15400 (33900)	*21700 (47800)	*21700 (47800)	
-4.5 m (-14')	*9100 (20100)	6200 (13600)			*10350 (22800)	6750 (14900)	*13750 (30400)	9650 (21300)	*17700 (39100)	15750 (34700)	*22350 (49300)	*22350 (49300)	
-6.0 m (-19')	*8050 (17700)	*8050 (17700)					*9450 (20800)	*9450 (20800)	*12600 (27700)	*12600 (27700)			

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC450LC-7 (India source)Conditions: Boom: 6670 mm, Bucket: 3.1 m³, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm											
	6.0 m	9150	6350	*10700	8600						
	4.5 m	8100	5550	*11650	8300	*14500	12150	*19600	19400		
	3.0 m	7600	5150	11550	7900	*15750	10900				
	1.5 m	7450	5000	11150	7600	16050	10750				
	0 m	7700	5150	10950	7350	15700	10450	*15800	*15800		
	-1.5 m	8400	5650	10850	7300	15600	10350	*21400	16600		
	-3.0 m	9950	6700	10950	7400	*14850	10500	*18750	16900	*22150	*22150
	-4.5 m	*9700	9050			*11100	10400	*14600	*14600		

Conditions: Boom: 7060 mm, Bucket: 2.6 m³, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm											
	6.0 m	9150	6350	*10700	8600						
	4.5 m	8100	5550	*11650	8300	*14500	12150	*19600	19400		
	3.0 m	7600	5150	11550	7900	*15750	10900				
	1.5 m	7450	5000	11150	7600	16050	10750				
	0 m	7700	5150	10950	7350	15700	10450	*15800	*15800		
	-1.5 m	8400	5650	10850	7300	15600	10350	*21400	16600		
	-3.0 m	9950	6700	10950	7400	*14850	10500	*18750	16900	*22150	*22150
	-4.5 m	*9700	9050			*11100	10400	*14600	*14600		

Conditions: Boom: 7060 mm, Bucket: 1.9 m³, Shoes: 600 mm

unit: kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm											
	6.0 m	8300	5700	*9950	8650						
	4.5 m	7400	5000	*10900	8250	*13300	12200	*17700	*17700		
	3.0 m	6950	4600	*11400	7850	*15050	11150				
	1.5 m	6800	4500	11050	7450	15950	10650				
	0 m	7000	4600	10750	7200	15500	10250	*21550	16200		
	-1.5 m	7550	5000	10600	7050	15350	10100	*22100	16200	*15450	*15450
	-3.0 m	8800	5850	10650	7100	*15300	10150	*19800	16450	*24100	*24100
	-4.5 m	*9550	7650			*12550	10450	16200	16200	*20100	*20100

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC490-11 (UK source)

Conditions: One-piece boom: 7060 mm, Without bucket, Shoes: 600 mm

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4800 mm													
	7.5 m	*6370	*6370	*9480	9310								
	6.0 m	*6300	*6300	*9820	9180								
	4.5 m	*6370	6290	*10440	8940	*11480	*11480						
	3.0 m	*6570	6040	*11170	8660	*12760	11240	*15370	*15370	*20330	*20330		
	1.5 m	*6910	5950	11300	8390	*13960	10770	*17410	14630	*23980	22090		
	0 m	*7450	6020	11050	8150	14260	10390	*18740	14030	*24610	21150	*10120	*10120
	-1.5 m	*8260	6270	10880	7990	14000	10140	*19160	13680	*25780	20750	*13950	*13950
	-3.0 m	9180	6790	10820	7940	13880	10040	*18660	13560	*24560	20690	*18840	*18840
	-4.5 m	*9990	7740	*10610	8020	*13580	10080	*17100	13620	*22080	20870	*25120	*25120
	-6.0 m	*9580	*9580			*10700	10320	*14070	13890	*17970	*17970	*23550	*23550
Arm length 4000 mm													
	7.5 m	*7880	*7880	*9970	9150								
	6.0 m	*7820	7630	*10720	9060	*11480	*11480						
	4.5 m	*7940	7050	*11240	8860	*12520	11550	*14620	*14620				
	3.0 m	*8250	6740	11540	8620	*13690	11120	*16750	15170	*22810	*22810		
	1.5 m	*8780	6640	12290	8390	14600	10720	*18460	14470	*23800	21680		
	0 m	9060	6750	11100	8210	14280	10420	*19320	14020	*22690	21110		
	-1.5 m	9560	7100	10990	8110	14100	10250	*19230	13800	*25360	20950	*15150	*15150
	-3.0 m	10560	7810	11010	8130	14070	10220	*18170	13780	*23390	21050	*21760	*21760
	-4.5 m	*10710	9200			*12490	10360	*15910	13940	*20120	*20120	*25940	*25940
	-6.0 m	*9760	*9760					*11580	*11580	*14840	*14840		
Arm length 3400 mm													
	7.5 m	*9140	*9140			*11710	*11710						
	6.0 m	*9040	8290	*11420	8970	*12310	11800						
	4.5 m	*9190	7620	11740	8820	*13280	11450	*15730	*15730	*20530	*20530		
	3.0 m	*9560	7270	11520	8620	*14340	11060	*17720	15010	*24590	21680		
	1.5 m	9590	7170	11320	8420	14600	10720	*19130	14420	*17760	*17760		
	0 m	9820	7320	11170	8290	14340	10480	*19600	14080	*20720	*20720		
	-1.5 m	10450	7770	11120	8240	14220	10370	*19100	13950	*24620	21230	*15450	*15450
	-3.0 m	*11400	8690			*14020	10400	*17580	14000	*22140	21400	*24050	*24050
	-4.5 m	*10880	10560			*11020	10640	*14650	14230	*18250	*18250	*22170	*22170
	-6.0 m												
Arm length 2900 mm													
	7.5 m	*12150	10610			*12310	11810						
	6.0 m	*11930	9070			*12790	11620	*14530	*14530				
	4.5 m	10980	8230	11600	8680	*13680	11280	*16380	15470				
	3.0 m	10440	7800	11410	8500	*14630	10910	*18200	14750				
	1.5 m	10320	7690	11230	8340	14460	10590	*19330	14220				
	0 m	10610	7870	11110	8230	14240	10390	*19460	13940				
	-1.5 m	11420	8440			14170	10330	*18630	13890	*23440	21190		
	-3.0 m	*12110	9630			*13280	10410	*16740	14000	*20660	*20660	*24100	*24100
	-4.5 m	*11370	*11370					*13180	*13180	*16280	*16280		
	-6.0 m												
Arm length 2400 mm													
	7.5 m	*11060	10910			*13240	11760						
	6.0 m	*10630	9330			*13540	11630	*15500	*15500				
	4.5 m	*10570	8490	11660	8760	*14340	11340	*17310	15450				
	3.0 m	10770	8080	11510	8620	14890	11010	*18990	14800				
	1.5 m	10690	8000	11380	8490	14610	10750	*19810	14370				
	0 m	11040	8240	11310	8430	14440	10590	*19580	14190				
	-1.5 m	11940	8880			14420	10570	*18400	14190	*22330	21690		
	-3.0 m	*11380	10220			*12470	10720	*16070	14340	*19340	*19340	*20410	*20410
	-4.5 m	*9680	*9680					*11510	*11510	*14400	*14400		
	-6.0 m												

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC490-11 (UK source)

Conditions: Boom: 6700 mm, Without bucket, Shoes: 600 mm

unit :kg (lb)

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm											
6.0 m		*12660	9390	*13750	12610	*14950	*14950				
4.5 m		11440	8470	*14750	12240	*16640	15290	*21690	*21690		
3.0 m		10850	8010	*15840	11810	*18380	14600				
1.5 m		10730	7900	15890	11440	*19480	14070				
0 m		11070	8110	15640	11210	*19560	13770	*25650	20810		
-1.5 m		12010	8760	15560	11140	*18520	13700	*23550	20870	*20560	*20560
-3.0 m		*12030	10150	*13660	11250	*16160	13830	*20180	*20180	*23870	*23870
-4.5 m		*10620	*10620			*11420	*11420	*14740	*14740		
Arm length 2400 mm											
6.0 m		*13690	10170	*14570	12600	*15930	15840				
4.5 m		12300	9120	*15480	12270	*17560	15260				
3.0 m		11640	8620	16360	11890	*19140	14650				
1.5 m		11530	8510	16030	11590	*19940	14210				
0 m		11950	8790	15840	11420	*19650	14010				
-1.5 m		*12910	9590	*15600	11400	*18200	14000	*22490	21330		
-3.0 m		*12110	11330	*12550	11590	*15260	14180	*18700	*18700	*20230	*20230
-4.5 m											

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC490LC-11 (Japan source)

Conditions: Boom: 7060 mm (23'2"), Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1") Bucket 1.90 m ³ (2.5 cu.yd) Shoes: 900 mm (35.5")													
7.6 m (25')		*6800 (15000)	*6800 (15000)										
6.1 m (20')		*6800 (15000)	*6800 (15000)	*9350 (20600)	8000 (17600)	*10050 (22150)	*10050 (22150)						
4.6 m (15')		*7000 (15400)	6500 (14300)	*9750 (21500)	7800 (17200)	*11050 (24350)	*11050 (24350)	*13250 (29200)	*13250 (29200)				
3.0 m (10')		*7400 (16300)	6150 (13550)	*10350 (22800)	7550 (16650)	*12200 (26900)	10100 (22250)	*15500 (34150)	14250 (31400)	*21200 (46750)	*21200 (46750)		
1.5 m (5')		*8100 (17850)	6000 (13200)	*10900 (24000)	7350 (16200)	*13200 (29100)	9750 (21500)	*17150 (37800)	13600 (30000)	*18500 (40800)	*18500 (40800)		
0 m (0')		*9200 (20250)	6150 (13550)	*11100 (24450)	7200 (15850)	*13700 (30200)	9450 (20800)	*17700 (39000)	13150 (29000)	*18250 (40200)	*18250 (40200)		
-1.5 m (-5')		*9900 (21800)	6550 (14450)	*10800 (23800)	7100 (15650)	*13600 (30000)	9300 (20500)	*17500 (38550)	12950 (28550)	*23350 (51450)	20400 (44950)	*11000 (24250)	*11000 (24250)
-3.0 m (-10')		*10000 (22050)	7450 (16400)	*9600 (21150)	7150 (15650)	*12750 (28150)	9300 (20500)	*16350 (36050)	13000 (28650)	*21300 (46950)	20450 (45050)	*19500 (43000)	*19500 (43000)
-4.6 m (-15')		*9800 (21600)	9250 (20400)			*10450 (23000)	9500 (20950)	*14000 (30850)	*13200 (29100)	*17900 (39450)	*17900 (39450)	*22550 (49700)	*22550 (49700)
-6.1 m (-20')		*8550 (18850)	*8550 (18850)					*9200 (20250)	*9200 (20250)	*12450 (27450)	*12450 (27450)		
Arm length 3380 mm (11'1") Without bucket Shoes: 900 mm (35.5")													
9.1 m (30')		*9700 (21350)	*9700 (21350)										
7.6 m (25')		*9200 (20250)	*9200 (20250)			*11720 (25850)	*11720 (25850)						
6.1 m (20')		*9070 (20000)	8760 (19300)	*11430 (25200)	9180 (20250)	*12230 (26950)	12050 (26550)						
4.6 m (15')		*9210 (20300)	8030 (17900)	*11770 (25950)	9050 (19950)	*13160 (29000)	11730 (25850)	*15510 (24200)	*15510 (24200)	*20080 (44250)	*20080 (44250)		
3.0 m (10')		*9580 (21100)	7660 (16900)	*12260 (27000)	8860 (19500)	*14190 (31250)	11360 (25050)	*17470 (38500)	15390 (33900)	*24120 (53150)	23050 (50800)		
1.5 m (5')		*10240 (22550)	7560 (16650)	*12650 (27900)	8680 (19100)	*15020 (33100)	11030 (24300)	*18890 (41650)	14820 (32650)	*19210 (42350)	*19210 (42350)		
0 m (0')		*11290 (24900)	7720 (17000)	12610 (27800)	8550 (18500)	*15390 (33900)	10800 (23800)	*19390 (42750)	14490 (31950)	*21790 (48050)	21770 (48000)		
-1.5 m (-5')		*11600 (25500)	8200 (18050)	*12170 (26800)	8510 (18750)	*15080 (33250)	10700 (23600)	*18910 (41650)	14360 (31650)	*24430 (53850)	21760 (47950)	*15850 (34950)	*15850 (34950)
-3.0 m (-10')		*11490 (25300)	9190 (20250)			*13810 (30450)	10740 (23650)	*17370 (38300)	14410 (31750)	*21950 (48400)	20160 (44450)	*24660 (54350)	*24660 (54350)
-4.6 m (-15')		*10930 (24100)	*10930 (24100)					*14350 (31650)	*14350 (31650)	*17970 (39600)	*17970 (39600)	*21900 (48250)	*21900 (48250)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC490LC-11 (USA source)

Conditions: Boom: 7060 mm (23'2"), Without bucket, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'6") Shoes: 900 mm (35.5")													
7.6 m (25')		*12260 (27000)	10550 (23200)			*12340 (27200)	11260 (24800)						
6.1 m (20')		*12030 (26500)	8960 (19700)			*12730 (28000)	11100 (24400)						
4.6 m (15')		*11980 (26400)	8110 (17800)	*12090 (26600)	8330 (18300)	*13570 (29900)	10800 (23800)	*14370 (31600)	*14370 (31600)	*21420 (47200)	*21420 (47200)		
3.0 m (10')		11760 (25900)	7680 (16900)	*12460 (27400)	8170 (18000)	*14490 (31900)	10450 (23000)	*16160 (35600)	14750 (32500)				
1.5 m (5')		11630 (25600)	7560 (16600)	12380 (27300)	8020 (17600)	*15170 (33400)	10160 (22400)	*17970 (39600)	14070 (31000)				
0 m (0')		11970 (26300)	7740 (17000)	12280 (27000)	7920 (17400)	*15340 (33800)	9970 (21900)	*19120 (42100)	13300 (29300)	*21910 (48300)	19890 (43800)		
-1.5 m (-5')		*12350 (27200)	8300 (18300)			*14770 (32500)	9910 (21800)	*18470 (40700)	13240 (29200)	*23330 (51400)	19970 (44000)		
-3.0 m (-10')		*12210 (26900)	9500 (20900)			*13040 (28700)	10000 (22000)	*16560 (36500)	13350 (29400)	*20520 (45200)	20200 (44500)	*24120 (53100)	*24120 (53100)
-4.6 m (-15')		*11420 (25100)	*11420 (25100)					*12840 (28300)	*12840 (28300)	*16030 (35300)	*16030 (35300)		
Arm length 3380 mm (11'1") Shoes: 900 mm (35.5")													
7.6 m (25')		*9200 (20200)	*9200 (20200)			*11720 (25800)	*11720 (25800)						
6.1 m (20')		*9070 (20000)	8190 (18000)	*11430 (25200)	8590 (18900)	*12230 (26900)	11270 (24800)						
4.6 m (15')		*9210 (20300)	7500 (16500)	*11770 (25900)	8460 (18600)	*13160 (29000)	10950 (24100)	*15510 (34200)	15000 (33000)	*20080 (44200)	*20080 (44200)		
3.0 m (10')		*9580 (21100)	7150 (15700)	*12260 (27000)	8270 (18200)	*14190 (31200)	10590 (23300)	*17470 (38500)	14300 (31500)	*24120 (53100)	21240 (46800)		
1.5 m (5')		*10240 (22500)	7050 (15500)	12460 (27400)	8090 (17800)	*15020 (33100)	10270 (22600)	*18890 (41600)	13740 (30300)	*19210 (42300)	*19210 (42300)		
0 m (0')		11050 (24300)	7190 (15800)	12320 (27100)	7970 (17500)	*15390 (33900)	10040 (22100)	*19390 (42700)	13410 (29500)	*21790 (48000)	20000 (44100)		
-1.5 m (-5')		*11600 (25500)	7640 (16800)	*12170 (26800)	7930 (17400)	*15080 (33200)	9940 (21900)	*18910 (41600)	13290 (29300)	*24430 (53800)	19990 (44000)	*15850 (34900)	*15850 (34900)
-3.0 m (-10')		*11490 (25300)	8560 (18800)			*13810 (30400)	9980 (22000)	*17370 (38300)	13340 (29400)	*21940 (48300)	20160 (44400)	*24660 (54300)	*24660 (54300)
-4.6 m (-15')		*10930 (24100)	10450 (23000)					*14350 (31600)	13570 (29900)	*17970 (39600)	*17970 (39600)	*21900 (48200)	*21900 (48200)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC490LC-11 (UK source)

Conditions: Boom 7060 mm, Without bucket, Shoes: 600 mm

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4800 mm													
	7.5 m	*6370	*6370	*9480	9460								
	6.0 m	*6300	*6300	*9820	9320								
	4.5 m	*6370	*6370	*10440	9090	*11480	*11480						
	3.0 m	*6570	6140	*11170	8810	*12760	11420	*15370	*15370	*20330	*20330		
	1.5 m	*6910	6050	*11870	8530	*13960	10950	*17410	14880	*23980	22460		
	0 m	*7450	6130	12350	8300	*14820	10570	*18740	14270	*24610	21510	*10120	*10120
	-1.5 m	*8260	6390	12180	8140	*15160	10330	*19160	13930	*25780	21120	*13950	*13950
	-3.0 m	*9540	6910	*12080	8080	*14830	10220	*18660	13800	*24560	21060	*18840	*18840
	-4.5 m	*9990	7880	*10610	8160	*13580	10260	*17100	13870	*22080	21240	*25120	*25120
	-6.0 m	*9580	*9580			*10700	10510	*14070	*14070	*17970	*17970	*23550	*23550
Arm length 4000 mm													
	7.5 m	*7880	*7880	*9970	9290								
	6.0 m	*7820	7750	*10720	9200	*11480	*11480						
	4.5 m	*7940	7170	*11240	9010	*12520	11730	*14620	*14620				
	3.0 m	*8250	6860	*11860	8770	*13690	11300	*16750	15410	*22810	*22810		
	1.5 m	*8780	6760	*12410	8540	*14690	10900	*18460	14710	*23800	22050		
	0 m	*9600	6870	12400	8360	*15290	10600	*19320	14260	*22690	21470		
	-1.5 m	10660	7230	12290	8260	*15280	10430	*19230	14040	*25360	21320	*15150	*15150
	-3.0 m	*10920	7950	*11560	8270	*14500	10400	*18170	14020	*23390	21410	*21760	*21760
	-4.5 m	*10710	9360			*12490	10540	*15910	14180	*20120	*20120	*25940	*25940
	-6.0 m	*9760	*9760					*11580	*11580	*14840	*14840		
Arm length 3400 mm													
	7.5 m	*9140	*9140			*11710	*11710						
	6.0 m	*9040	8430	*11420	9120	*12310	11980						
	4.5 m	*9190	7750	*11820	8960	*13280	11640	*15730	*15730	*20530	*20530		
	3.0 m	*9560	7390	*12340	8760	*14340	11250	*17720	15260	*24590	22860		
	1.5 m	*10220	7300	12620	8570	*15180	10900	*19130	14660	*17760	*17760		
	0 m	10930	7450	12470	8430	*15540	10660	*19600	14320	*20720	*20720		
	-1.5 m	*11510	7910	*12360	8380	*15240	10560	*19100	14200	*24620	21590	*15450	*15450
	-3.0 m	*11400	8840			*14020	10590	*17580	14250	*22140	21770	*24050	*24050
	-4.5 m	*10880	10740			*11020	10820	*14650	14480	*18250	*18250	*22170	*22170
	-6.0 m												
Arm length 2900 mm													
	7.5 m	*12150	10780			*12310	11990						
	6.0 m	*11930	9220			*12790	11800	*14530	*14530				
	4.5 m	*11890	8370	*12130	8830	*13680	11460	*16380	15720				
	3.0 m	11630	7940	*12530	8650	*14630	11090	*18200	14990				
	1.5 m	11510	7820	12530	8480	*15310	10770	*19330	14460				
	0 m	11840	8010	12410	8370	*15480	10570	*19460	14190				
	-1.5 m	*12250	8590			*14920	10510	*18630	14130	*23440	21560		
	-3.0 m	*12110	9800			*13280	10600	*16740	14240	*20660	*20660	*24100	*24100
	-4.5 m	*11370	*11370					*13180	*13180	*16280	*16280		
	-6.0 m												
Arm length 2400 mm													
	7.5 m	*11060	*11060			*13240	11940						
	6.0 m	*10630	9480			*13540	11810	*15500	*15500				
	4.5 m	*10570	8630	*12710	8900	*14340	11520	*17310	15690				
	3.0 m	*10810	8220	12820	8770	*15180	11190	*18990	15050				
	1.5 m	*11370	8140	12680	8640	*15710	10930	*19810	14620				
	0 m	12300	8380	12610	8570	*15660	10780	*19580	14430				
	-1.5 m	*12040	9040			*14790	10570	*18400	14430	*22330	22050		
	-3.0 m	*11380	10400			*12470	10910	*16070	14590	*19340	*19340	*20410	*20410
	-4.5 m	*9680	*9680					*11510	*11510	*14400	*14400		
	-6.0 m												

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC490LC-11 (UK source)

Conditions: Boom: 6700 mm, Without bucket, Shoes: 600 mm

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm													
6.0 m		*12660	9550			*13750	12810	*14950	*14950				
4.5 m		*12530	8610	*12530	8610	*14750	12430	*16640	15530	*21690	*21690		
3.0 m		12100	8150			*15840	12000	*18380	14840				
1.5 m		11980	8030			*16600	11640	*19480	14310				
0 m		12370	8260			*11690	11410	*19560	14010	*25650	21170		
-1.5 m		*12460	8920			*15860	11340	*18520	13940	*23550	21230	*20560	*20560
-3.0 m		*12030	10330			*13660	11450	*16160	14070	*20180	*20180	*23870	*23870
-4.5 m		*10620	*10620					*11420	*11420	*14740	*14740		
Arm length 2400 mm													
6.0 m		*13690	10340			*14570	12800	*15930	*15930				
4.5 m		*13450	8270			*15480	12470	*17560	15500				
3.0 m		12970	8760			*16440	12090	*19140	14890				
1.5 m		12860	8660			*17000	11790	*19940	14450				
0 m		*13200	8940			*16810	11620	*19650	14250				
-1.5 m		*12910	9750			*15600	11600	*18200	14240	*22490	21690		
-3.0 m		*12110	11520			*12550	11780	*15260	14420	*18700	*18700	*20230	*20230
-4.5 m													

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC490LC-10 (Japan source)

Conditions: Boom: 7060 mm (23'2"), Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm (11'1") Bucket 1.90 m ³ (2.49 cu.yd) Shoes: 700 mm (28")													
6.1 m (20')		*6800 (15000)	*6800 (15000)	*9350 (20600)	7700 (17000)	*10050 (22200)	*10050 (22200)						
3.0 m (10')		*7400 (16300)	5900 (13000)	*10350 (22800)	7300 (16100)	*12200 (26900)	9750 (21500)	*15500 (34200)	13800 (30400)	*21200 (46700)	*21200 (46700)		
0 m (0')		*9200 (20300)	5900 (13000)	10850 (23900)	6900 (15200)	*13700 (30200)	9100 (20100)	*17700 (39000)	12700 (28000)	*18250 (40200)	*18250 (40200)		
-3.0 m (-10')		*10000 (22000)	7150 (15800)	*9600 (21200)	6900 (15200)	*12750 (28100)	8950 (19700)	*16350 (36000)	12250 (27000)	*21300 (47000)	19900 (43900)	*19500 (43000)	*19500 (43000)
-6.1 m (-20')		*8550 (18800)	*8550 (18800)					*9200 (20300)	*9200 (20300)	*12450 (27400)	*12450 (27400)		
Arm length 3380 mm (11'1") Without bucket Shoes: 700 mm (28")													
6.1 m (20')		*9070 (20000)	8500 (18700)	*11430 (25200)	8920 (19700)	*12230 (26900)	11720 (25800)						
3.0 m (10')		*9580 (21100)	7430 (16400)	*12260 (27000)	8600 (19000)	*14190 (31200)	11030 (24300)	*17470 (38500)	14950 (33000)	*24120 (53100)	22380 (49300)		
0 m (0')		10950 (24100)	7480 (16500)	12220 (26900)	8290 (18300)	*15390 (33900)	10480 (23100)	*19390 (42700)	14050 (31000)	*21790 (48000)	21110 (46500)		
-3.0 m (-10')		*11490 (25300)	8910 (19600)			*13810 (30400)	10410 (22900)	*17380 (38300)	13970 (30800)	*21950 (48400)	21270 (46700)	*24660 (54300)	*24660 (54300)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC500LC-10M0, PC500LC-10R (Japan source)

Conditions: Boom: 7060 mm, Arm 3380 mm, Witout bucket

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
600 mm Shoes													
6.0 m		*7150	*7150	*11250	8130	*12640	10990						
4.5 m		*7260	6710	*12200	7920	*13720	10540	*16340	14750	*21500	*21500		
3.0 m		*7570	6330	12050	7660	*14920	10030	*18570	13800	*26090	20720		
1.5 m		*8120	6200	11780	7410	15480	9590	*20210	13050	*19930	19520		
0 m		*9010	6320	11580	7230	15140	9290	*20850	12620	*23050	19150		
-1.5 m		*10450	6740	11510	7160	14980	9150	*20450	12460	*26730	19130	*17090	*17090
-3.0 m		*12130	7610			*14970	9180	*18940	12520	*24210	19340	*26380	*26380
-4.5 m		*11730	9410			*11860	9480	*15930	12800	*20150	19790	*25160	*25160
700 mm Shoes													
6.0 m		*7150	*7150	*11250	8150	*12640	11010						
4.5 m		*7260	6730	*12200	7940	*13720	10560	*16340	14780	*21500	*21500		
3.0 m		*7570	6350	12090	7680	*14920	10060	*18570	13830	*26090	20760		
1.5 m		*8120	6220	11820	7420	15530	9620	*20210	13080	*19930	19570		
0 m		*9010	6340	11620	7240	15190	9310	*20850	12650	*23050	19190		
-1.5 m		*10450	6750	11550	7180	15030	9170	*20450	12490	*26730	19180	*17090	*17090
-3.0 m		*12130	7630			*14970	9200	*18940	12550	*24210	19390	*26380	*26380
-4.5 m		*11730	9440			*11860	9500	*15930	12830	*20150	19830	*25160	*25160
800 mm Shoes													
6.0 m		*7150	*7150	*11250	8220	*12640	11100						
4.5 m		*7260	6800	*12200	8020	*13720	10650	*16340	14900	*21500	*21500		
3.0 m		*7570	6410	12210	7750	*14920	10150	*18570	13960	*26090	20950		
1.5 m		*8120	6280	11940	7500	15530	9710	*20210	13210	*19930	19750		
0 m		*9010	6400	11740	7320	15190	9400	*20850	12770	*23050	19370		
-1.5 m		*10450	6820	11670	7250	15030	9260	*20450	12610	*26730	19360	*17090	*17090
-3.0 m		*12130	7710			*14970	9300	*18940	12670	*24210	19570	*26380	*26380
-4.5 m		*11730	9530			*11860	9590	*15930	12960	*20150	20010	*25160	*25160
900 mm Shoes													
6.0 m		*7150	*7150	*11250	8300	*12640	11190						
4.5 m		*7260	6860	*12200	8090	*13720	10740	*16340	15020	*21500	*21500		
3.0 m		*7570	6470	12330	7820	*14920	10240	*18570	14080	*26090	21130		
1.5 m		*8120	6340	12050	7570	15830	9710	*20210	13300	*19930	19930		
0 m		*9010	6470	11850	7390	15490	9400	*20850	12890	*23050	19550		
-1.5 m		*10450	6890	11780	7330	15330	9260	*20450	12730	*26730	19540	*17090	*17090
-3.0 m		*12130	7780			*14970	9300	*18940	12790	*24210	19750	*26380	*26380
-4.5 m		*11730	9620			*11860	9590	*15930	13080	*20150	*20150	*25160	*25160

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC500LC-10M0 , PC500LC-10R

Conditions: Boom: 6670 mm, Arm 2400 mm, Without bucket

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
600 mm Shoes													
6.0 m		*14320	9530			*14670	10620	*16590	15110				
4.5 m		13130	8380			*15360	10290	*18400	14340				
3.0 m		12320	7810			15780	9890	*20200	13560				
1.5 m		12160	7660			15410	9570	*21190	13000				
0 m		12620	7910			15210	9390	*20990	12750				
-1.5 m		13950	8680			15200	9380	*19550	12730	*24530	19660		
-3.0 m		*13310	10440					*16490	12960	*20530	20000	*22950	*22950
-4.5 m													
700 mm Shoes													
6.0 m		*14320	9610			*14670	10710	*16560	15240				
4.5 m		13250	8460			*15360	10380	*18400	14470				
3.0 m		12440	7890			15930	9990	*20200	13690				
1.5 m		12280	7740			15560	9670	*21190	13130				
0 m		12750	7990			15360	9480	*20990	12870				
-1.5 m		*13960	8770			*15300	9480	*19550	12860	*24530	19850		
-3.0 m		*13310	10540					*16490	13080	*20530	20190	*22950	*22950
-4.5 m													
800 mm Shoes													
6.0 m		*14320	9700			*14670	10810	*16590	15360				
4.5 m		13380	8540			*15360	10470	*18400	14590				
3.0 m		12560	7970			16080	10080	*20200	13810				
1.5 m		12400	7820			15720	9760	*21190	13250				
0 m		12880	8070			15510	9570	*20990	13000				
-1.5 m		*13960	8860			*15300	9570	*19550	12980	*24530	20030		
-3.0 m		*13310	10640					*16490	13210	*20530	20370	*22950	*22950
-4.5 m													
900 mm Shoes													
6.0 m		*14320	9780			*14670	10900	*16590	15480				
4.5 m		13510	8620			*15360	10560	*18400	14710				
3.0 m		12680	8040			16190	10170	*20200	13930				
1.5 m		12520	7890			15870	9850	*21190	13370				
0 m		13000	8150			15660	9660	*20990	13120				
-1.5 m		*13960	8940			*15300	9660	*19550	13100	*24530	20210		
-3.0 m		*13310	10740					*16490	13300	*20530	*20530	*22950	*22950
-4.5 m													

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC500LC-10M0, PC500LC-10R

Conditions: Boom: 6670 mm, Arm 2900 mm, Without bucket

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
600 mm Shoes													
6.0 m		*13210	8720			*13810	10660	*15530	15250				
4.5 m		12130	7720			*14650	10270	*17410	14430	*22870	22390		
3.0 m		11410	7210	11840	7470	*15610	9830	*19380	13570				
1.5 m		11240	7050	11630	7280	15300	9450	*20690	12910				
0 m		11600	7230			15020	9210	*20900	12550	*24620	19170		
-1.5 m		12660	7850			14950	9140	*19910	12460	*25680	19220		
-3.0 m		*13050	9220			*13210	9300	*17480	12600	*22140	19510	*26930	*26390
-4.5 m		*11780	*11780					*12460	*12460	*16350	*16350		
700 mm Shoes													
6.0 m		*13210	8800			*13810	10750	*15530	15370				
4.5 m		12250	7790			*14650	10370	*17410	14560	*22870	22580		
3.0 m		11530	7280	11960	7550	*15610	9920	*19380	13690				
1.5 m		11360	7120	11750	7360	15450	9540	*20690	13030				
0 m		11720	7310			15180	9300	*20900	12670	*24620	19350		
-1.5 m		12790	7930			15100	9230	*19910	12580	*25680	19400		
-3.0 m		*13050	9310			*13210	9390	*17480	12730	*22140	19690	*26930	*26390
-4.5 m		*11780	*11780					*12460	*12460	*16350	*16350		
800 mm Shoes													
6.0 m		*13210	8880			*13810	10840	*15530	15490				
4.5 m		12370	7870			*14650	10460	*17410	14680	*22870	22760		
3.0 m		11640	7350	12080	7620	*15610	10020	*19380	13820				
1.5 m		11470	7190	11870	7430	15610	9630	*20690	13150				
0 m		11840	7380			15330	9390	*20900	12790	*24620	19540		
-1.5 m		12920	8010			15250	9320	*19910	12700	*25680	19590		
-3.0 m		*13050	9410			*13210	9480	*17480	12850	*22140	19870	*26930	*26390
-4.5 m		*11780	*11780					*12460	*12460	*16350	*16350		
900 mm Shoes													
6.0 m		*13210	8950			*13810	10930	*15530	*15530				
4.5 m		12490	7940			*14650	10550	*17410	14800	*22870	*22870		
3.0 m		11760	7420	12190	7690	*15610	10110	*19380	13940				
1.5 m		11590	7260	11980	7500	15760	9720	*20690	13270				
0 m		11960	7450			15480	9480	*20900	12910	*24620	19720		
-1.5 m		13050	8090			15400	9410	*19910	12820	*25680	19770		
-3.0 m		*13050	9500			*13210	9570	*17480	12970	*22140	20050	*26930	*26390
-4.5 m		*11780	*11780					*12460	*12460	*16350	*16350		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC500LC-8, PC500LC-8R (Japan source)

Conditions: Boom: 7060 mm , Lifting mode: ON

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3380 mm Bucket 2.7 m ³ Shoes: 600 mm													
7.5 m		*5820	*5820										
6.0 m		*5830	5820	*8680	6810	*9450	*9450						
4.5 m		*6040	5180	*9100	6620	*10430	9210	*12710	*12710				
3.0 m		*6460	4840	*9680	6360	*11600	8730	*14820	12590	*20870	19790		
1.5 m		*7120	4720	*10240	6110	*12530	8320	*16460	11850	*17210	*17210		
0 m		*8140	4820	10170	5920	*13040	8020	*17080	11380	*17750	*17750		
-1.5 m		8980	5180	10070	5830	*12980	7850	*16880	11170	*22680	17840	*10680	*10680
-3.0 m		*9110	5950	*9150	5880	*12140	7830	*15750	11170	*20610	18020	*21910	*21910
-4.5 m		*8890	7480			*10020	7990	*13440	11390	*17330	*17330	*21890	*21890
-6.0 m		*7750	*7750					*8980	*8980	*12080	*12080		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC500LC-8, PC500LC-8R (Japan source)

Conditions: Boom: 7060 mm , Lifting mode: ON

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm Bucket 3.1 m ³ Shoes: 600 mm													
7.5 m		*10130	8860										
6.0 m		*9790	6980			*10290	8630	*11980	*11980				
4.5 m		*9690	6000			*11000	8300	*13830	12560	*18820	*18820		
3.0 m		*9710	5520	*9710	5560	*11840	7900	*15520	11830				
1.5 m		9610	5390	9660	5400	*12510	7700	*16500	11240				
0 m		*9880	5620	*9460	5300	*12520	7490	*16570	10930	*21930	16850		
-1.5 m		*9870	6290			*11700	7430	*15550	10850	*20170	17830	*19500	*19500
-3.0 m		*9550	7760			*9090	7470	*13260	10990	*16990	*16990	*18580	*18580
-4.5 m		*8220	*8220					*8640	*8640	*11870	*11870		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC550LC-8 (Japan source)Conditions: Boom: 6670 mm (21'11"), Bucket: 3.5 m³, Shoes: 750 mm (29.5")

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2400 mm (7'10")													
7.5 m (24')	*6000 (13200)	5950 (13200)											
6.0 m (19')	*6000 (13200)	4950 (10900)	*8850 (19500)	5800 (12800)	*9600 (21200)	8350 (18400)							
4.5 m (14')	*6200 (13600)	4350 (9600)	*9250 (20400)	5650 (12400)	*10600 (23300)	7950 (17500)	*12800 (28200)	11700 (25800)					
3.0 m (9')	*6550 (14500)	4000 (8900)	9400 (20800)	5400 (11900)	*11750 (25900)	7500 (16500)	*14950 (33000)	13900 (23900)	*20900 (46100)	17150 (37800)			
1.5 m (4')	7150 (15700)	3900 (8600)	9150 (20200)	5150 (11300)	12450 (27400)	7050 (15500)	*16650 (36700)	10100 (22300)	*17650 (38900)	15750 (34700)			
0.0 m (0')	7300 (16100)	7630 (8700)	8950 (19700)	4950 (10900)	12100 (26700)	6750 (14900)	*17300 (38200)	9650 (21200)	*17800 (39200)	15200 (33500)			
-1.5 m (-4')	7800 (17200)	4250 (9400)	8850 (19500)	4850 (10700)	11900 (26300)	6600 (14500)	*17100 (37700)	9450 (20800)	*22950 (50600)	15200 (33500)			
-3.0 m (-9')	8900 (19600)	4900 (10800)	8850 (19600)	4900 (10800)	11900 (26300)	6550 (14500)	*16000 (35300)	9450 (20900)	*20950 (46200)	15400 (33900)	*21700 (47800)	*21700 (47800)	
-4.5 m (-14')	*9100 (20100)	*6200 (13600)			*10350 (22800)	6750 (14900)	*13750 (30400)	9650 (21300)	*17700 (39100)	15750 (34700)	*22350 (49300)	*22350 (49300)	
-6.0 m (-19')	*8050 (17700)	*8050 (17700)					*9450 (20800)	*9450 (20800)	*12600 (27700)	*12600 (27700)			

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC600-8E0, PC600-8R1 (Japan source)

Conditions: Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 600 mm (24")
 (Lifting mode: OFF)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*6950 (15300)	*6950 (15300)										
6.1 m (20')		*6850 (15100)	*6850 (15100)	*9700 (21400)	*9700 (21400)	*10800 (23800)	*10800 (23800)						
3.0 m (9')		*7600 (16700)	6050 (13400)	*11250 (24800)	8950 (19800)	*13600 (30000)	12250 (27000)	*17850 (39300)	17400 (38400)				
0 m (0')		8100 (17900)	6000 (13300)	11050 (24400)	8300 (18300)	14850 (32800)	11150 (24600)	*20200 (44500)	15850 (34900)	*16850 (37100)	*16850 (37100)		
-3.0 m (-9')		9700 (21400)	7200 (15900)	10850 (24000)	8100 (17900)	14550 (32100)	10850 (23900)	*18950 (41700)	15600 (34400)	*24500 (54000)	*24500 (54000)	*14350 (31600)	*14350 (31600)
-6.1 m (-20')		*9500 (21000)	*9500 (21000)			*8550 (18800)	*8550 (18800)	*12800 (28200)	*12800 (28200)	*16300 (35900)	*16300 (35900)		

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*8550 (18900)	*8550 (18900)										
6.1 m (20')		*8450 (18600)	7200 (15900)	*12250 (27000)	9800 (21600)	*13500 (29700)	*13500 (29700)						
3.0 m (9')		8100 (17900)	6050 (13400)	11750 (26000)	8950 (19800)	*16000 (35300)	12250 (27000)	*22100 (48700)	17550 (38700)				
0 m (0')		8100 (17900)	6000 (13300)	11050 (24400)	8300 (18300)	14850 (32800)	11150 (24600)	21350 (47100)	15850 (34900)	*20150 (44400)	*20150 (44400)		
-3.0 m (-9')		9700 (21400)	7200 (15900)	10850 (24000)	8100 (17900)	14550 (32100)	10850 (23900)	21150 (46600)	15600 (34400)	*30400 (67100)	25750 (56800)	*17400 (38300)	*17400 (38300)
-6.1 m (-20')		*12350 (27300)	*12350 (27300)			*11150 (24600)	*11150 (24600)	*16350 (36000)	*16350 (36000)	*20650 (45600)	*20650 (45600)		

Conditions: Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 600 mm (24")
 (Lifting mode: OFF)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*6500 (14300)	*6500 (14300)										
6.1 m (20')		*6350 (14000)	*6350 (14000)	*9550 (21000)	9400 (20800)	*10500 (23200)	*10500 (23200)						
3.0 m (9')		*7200 (15800)	6150 (13600)	*11000 (24200)	8650 (19100)	*13300 (29300)	12050 (26500)	*17350 (38200)	*17350 (38200)	*24100 (53200)	*24100 (53200)		
0 m (0')		8400 (18500)	6150 (13600)	10800 (23800)	8000 (17700)	14700 (32400)	11000 (24200)	*20000 (44100)	15850 (34900)	*14600 (32100)	*14600 (32100)		
-3.0 m (-9')		10250 (22600)	7600 (16700)	10650 (23500)	7900 (17400)	*14400 (31700)	10700 (23500)	*18750 (41300)	15550 (34200)	*24750 (54500)	*24750 (54500)	*19650 (43300)	*19650 (43300)
-6.1 m (-20')		*9500 (20900)	*9500 (20900)					*11450 (25200)	*11450 (25200)	*15250 (33700)	*15250 (33700)		

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*8150 (17900)	*8150 (17900)										
6.1 m (20')		*7950 (17600)	*7450 (16500)	*12150 (26800)	9400 (20800)	*13200 (29100)	*13200 (29100)						
3.0 m (9')		8350 (18400)	6150 (13600)	11450 (25300)	8650 (19100)	15850 (34900)	12050 (26500)	*21550 (47500)	*17600 (38800)	*26500 (58400)	*26500 (58400)		
0 m (0')		8400 (18500)	6150 (13600)	10800 (23800)	8000 (17700)	14700 (32400)	11000 (24200)	*21400 (47200)	15850 (34900)	*17800 (39300)	*17800 (39300)		
-3.0 m (-9')		10250 (22600)	7600 (16700)	10650 (23500)	7900 (17400)	14400 (31700)	10700 (23500)	21050 (46500)	15550 (34200)	*30700 (67700)	25800 (56900)	*23750 (52400)	*23750 (52400)
-6.1 m (-20')		*12450 (27400)	*12450 (27400)					*14750 (32600)	*14750 (32600)	*19500 (43000)	*19500 (43000)		

* Load is limited hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC600-8E0, PC600-8R1 (Japan source)Conditions: Boom: 6600 mm (21'8"), Bucket (SAE): 3.50 m³ (4.58 cu.yd), Shoes: 600 mm (24")

(Lifting mode: OFF)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'6")													
9.1 m (29')		*9650 (21300)	*9650 (21300)										
6.1 m (20')		*8950 (19700)	*8950 (19700)			*11750 (25900)	*11750 (25900)						
3.0 m (9')		*9800 (21600)	7600 (16700)	11500 (25300)	8650 (19100)	*14000 (30900)	12100 (26600)	*17950 (39600)	17650 (38900)	*24650 (54300)	*24650 (54300)		
0 m (0')		10300 (22700)	7650 (16900)	10900 (24100)	8100 (17900)	14850 (32800)	11100 (24500)	*20250 (44600)	16100 (35500)	*26150 (57700)	25000 (55100)	*24700 (54500)	*24700 (54500)
-3.0 m (-9')		*11500 (25400)	9950 (22000)			*13250 (29200)	11000 (24300)	*17950 (39600)	15950 (35100)	*23750 (52400)	*23750 (52400)		

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'6")													
9.1 m (29')		*11800 (26000)	*11800 (26000)										
6.1 m (20')		*10950 (24200)	9400 (20700)			*14700 (32400)	13300 (29300)						
3.0 m (9')		10150 (22300)	7600 (16700)	11500 (25300)	8650 (19100)	15900 (35100)	12100 (26600)	*22250 (49000)	17750 (39200)	*30350 (66900)	28050 (61800)		
0 m (0')		10300 (22700)	7650 (16900)	10900 (24100)	8100 (17900)	14850 (32800)	11100 (24500)	21700 (47900)	16100 (35500)	*26150 (57700)	25000 (55100)		
-3.0 m (-9')		13350 (29400)	9950 (22000)			14750 (32500)	11000 (24300)	21550 (47500)	15950 (35100)	*29500 (65100)	26450 (58300)	*31000 (68400)	*31000 (68400)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC600LC-8E0, PC600LC-8R1 (Japan source)

Conditions: Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*6950 (15300)	*6950 (15300)										
6.1 m (20')		*6850 (15100)	*6850 (15100)	*9700 (21400)	*9700 (21400)	*10800 (23800)	*10800 (23800)						
3.0 m (9')		*7600 (16700)	6200 (13700)	*11250 (24800)	9150 (20200)	*13600 (30000)	12450 (27500)	*17850 (39300)	*17600 (38900)				
0 m (0')		9350 (20600)	6150 (13600)	*12350 (27200)	8450 (18600)	*15400 (34000)	11350 (25100)	*20200 (44500)	16150 (35600)	*16850 (37100)	*16850 (37100)		
-3.0 m (-9')		*10150 (22400)	7400 (16300)	*11600 (25500)	8300 (18300)	*14800 (32600)	11100 (24400)	*18950 (41700)	15900 (35100)	*24500 (54000)	*24500 (54000)	*14350 (31600)	*14350 (31600)
-6.1 m (-20')		*9500 (21000)	*9500 (21000)			*8550 (18800)	*8550 (18800)	*12800 (28200)	*12800 (28200)	*16300 (35900)	*16300 (35900)		

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*8550 (18900)	*8550 (18900)										
6.1 m (20')		*8450 (18600)	7350 (16200)	*12250 (27000)	10000 (22000)	*13500 (29700)	*13500 (29700)						
3.0 m (9')		9300 (20500)	6200 (13700)	13450 (29600)	9150 (20200)	*16000 (35300)	12450 (27500)	*22100 (48700)	17850 (39400)				
0 m (0')		9350 (20600)	6150 (13600)	12700 (28000)	8450 (18600)	17100 (37700)	11350 (25100)	24800 (54600)	16150 (35600)	*20150 (44400)	*20150 (44400)		
-3.0 m (-9')		11150 (24600)	7400 (16400)	12500 (27600)	8300 (18300)	16800 (37000)	11100 (24400)	*23650 (52100)	15900 (35100)	*30400 (67100)	26200 (57800)	*17400 (38300)	*17400 (38300)
-6.1 m (-20')		*12350 (27300)	*12350 (27300)			*11150 (24600)	*11150 (24600)	*16350 (36000)	*16350 (36000)	*20650 (45600)	*20650 (45600)		

Conditions: Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*6500 (14300)	*6500 (14300)										
6.1 m (20')		*6350 (14000)	*6350 (14000)	*9550 (21000)	*9550 (21000)	*10500 (23200)	*10500 (23200)						
3.0 m (9')		*7200 (15800)	6300 (13900)	*11000 (24200)	8850 (19500)	*13300 (29300)	12250 (27000)	*17350 (38200)	*17350 (38200)	*24100 (53200)	*24100 (53200)		
0 m (0')		*9200 (20300)	6300 (13900)	*12050 (26600)	8200 (18100)	*15150 (33400)	11200 (24700)	*20000 (44100)	16150 (35600)	*14600 (32100)	*14600 (32100)		
-3.0 m (-9')		*10350 (22900)	7750 (17100)	*10900 (24100)	8050 (17800)	*14400 (31700)	10900 (24000)	*18750 (41300)	15800 (34900)	*24750 (54500)	*24750 (54500)	*19650 (43300)	*19650 (43300)
-6.1 m (-20')		*9500 (20900)	*9500 (20900)					*11450 (25200)	*11450 (25200)	*15250 (33700)	*15250 (33700)		

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*8150 (17900)	*8150 (17900)										
6.1 m (20')		*7950 (17600)	7650 (16800)	*12150 (26800)	9600 (21100)	*13200 (29100)	*13200 (29100)						
3.0 m (9')		*8900 (19700)	6300 (13900)	13150 (29000)	8850 (19500)	*16700 (36800)	12250 (27000)	*21550 (47500)	17900 (39400)	*26500 (58400)	*26500 (58400)		
0 m (0')		9700 (21400)	6300 (13900)	12450 (27400)	8200 (18100)	16950 (37400)	11200 (24700)	24750 (54600)	16150 (35600)	*17800 (39300)	*17800 (39300)		
-3.0 m (-9')		11850 (26100)	7750 (17100)	12300 (27100)	8050 (17800)	16600 (36600)	10900 (24000)	*23450 (51700)	15850 (34900)	*30700 (67700)	26250 (57900)	*23750 (52400)	*23750 (52400)
-6.1 m (-20')		*12450 (27400)	*12450 (27400)					*14750 (32600)	*14750 (32600)	*19500 (43000)	*19500 (43000)		

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC600LC-8E0, PC600LC-8R1 (Japan source)

Conditions: Boom: 6600 mm (21'8"), Bucket (SAE): 3.50 m³ (4.58 cu.yd), Shoes: 600 mm (24")

(Lifting mode: OFF)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'6")													
9.1 m (29')		*9650 (21300)	*9650 (21300)										
6.1 m (20')		*8950 (19700)	*8950 (19700)			*11750 (25900)	*11750 (25900)						
3.0 m (9')		*9800 (21600)	7750 (17100)	*11750 (25900)	8850 (19500)	*14000 (30900)	12300 (27100)	*17950 (39600)	17900 (39500)	*24650 (54300)	*24650 (54300)		
0 m (0')		*11500 (25400)	7800 (17200)	*12200 (26900)	8300 (18300)	*15500 (34000)	11350 (25000)	*20250 (44600)	16400 (36200)	*26150 (57700)	25000 (55100)	*24700 (54500)	*24700 (54500)
-3.0 m (-9')		*11500 (25400)	10150 (22400)			*13250 (29200)	11250 (24800)	*17950 (39600)	16250 (35800)	*23750 (52400)	*23750 (52400)		

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'6")													
9.1 m (29')		*11800 (26000)	*11800 (26000)										
6.1 m (20')		*10950 (24200)	9600 (21100)			*14700 (32400)	13500 (29800)						
3.0 m (9')		11650 (25700)	7750 (17100)	13150 (29000)	8850 (19500)	*17500 (38600)	12300 (27100)	*22250 (49000)	18050 (39800)	*30350 (66900)	28500 (62800)		
0 m (0')		11850 (26100)	7800 (17200)	12550 (27700)	8300 (18300)	17150 (37800)	11350 (25000)	25100 (55300)	16400 (36200)	*26150 (57700)	25450 (56100)		
-3.0 m (-9')		*14750 (32500)	10150 (22400)			*16800 (37000)	11250 (24800)	*22450 (49500)	16250 (35800)	*29500 (65100)	26900 (59300)	*31000 (68400)	*31000 (68400)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC650LC-11 (for USA)

Conditions: Boom: 7660mm (25'2"), Without bucket, Shoes: 750 mm (29.5"), Lifting mode: ON unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3480 mm (11'5")													
9.1 m (30')		*12550 (27600)	*12550 (27600)										
6.1 m (20')		*12050 (26500)	11350 (25000)	*15500 (34100)	13500 (29700)	*16950 (37300)	*16950 (37300)						
3.0 m (10')		*12800 (28200)	10050 (22100)	*17200 (37800)	12850 (28300)	*20100 (44200)	16550 (36400)	*25250 (55600)	*25250 (55600)				
0 m (0')		13750 (30300)	10150 (22300)	16850 (37100)	12300 (27100)	21850 (48100)	15650 (34400)	*27800 (61200)	21200 (46600)				
-3.0 m (-10')		*15700 (34500)	11850 (26100)	*16450 (36200)	12250 (27000)	*20550 (45200)	15500 (34100)	*25450 (56000)	21150 (46500)	*31850 (70100)	*31850 (70100)	*25700 (56500)	*25700 (56500)
-6.1 m (-20')		*13900 (30600)	*13900 (30600)					*16000 (35200)	*16000 (35200)	*20050 (44100)	*20050 (44100)		

Conditions: Boom: 7660 mm (25'2"), Without bucket, Shoes: 900 mm (35.4"), Lifting mode: ON unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3480 mm (11'5")													
9.1 m (30')		*12550 (27600)	*12550 (27600)										
6.1 m (20')		*12050 (26500)	11500 (25300)	*15500 (34100)	13700 (30100)	*16950 (37300)	*16950 (37300)						
3.0 m (10')		*12800 (28200)	10200 (22400)	*17200 (37800)	13000 (28600)	*20100 (44200)	16750 (36900)	*25250 (55600)	22800 (50200)				
0 m (0')		13950 (30700)	10250 (22600)	17100 (37600)	12450 (27400)	*22000 (48400)	15850 (34900)	*27800 (61200)	21450 (47200)				
-3.0 m (-10')		*15700 (34500)	12000 (26400)	*16450 (36200)	12400 (27300)	*20550 (45200)	15700 (34500)	*25450 (56000)	21400 (47100)	*31850 (70100)	*31850 (70100)	*25700 (56500)	*25700 (56500)
-6.1 m (-20')		*13900 (30600)	*13900 (30600)					*16000 (35200)	*16000 (35200)	*20050 (44100)	*20050 (44100)		

Conditions: Boom: 7660mm (25'2"), Without bucket, Shoes: 750 mm (29.5"), Lifting mode: ON unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4270 mm (14'0")													
9.1 m (30')		*9950 (21900)	*9950 (21900)	*11350 (25000)	*11350 (25000)								
6.1 m (20')		*9550 (21000)	*9550 (21000)	*14250 (31400)	13600 (29900)								
3.0 m (10')		*10050 (22100)	9050 (19900)	*16200 (35400)	12800 (28200)	*18850 (41500)	16550 (36400)	*23350 (51400)	22750 (50000)				
0 m (0')		*11550 (25400)	9050 (19900)	16650 (36600)	12050 (26500)	*21350 (47000)	15400 (33900)	*27100 (59600)	20950 (46100)	*20400 (44900)	*20400 (44900)		
-3.0 m (-10')		14150 (31100)	10300 (22700)	16400 (36100)	11850 (26100)	*20900 (46000)	15050 (33100)	*26100 (57400)	20600 (45300)	*33650 (74000)	32250 (71000)	*22500 (49500)	*22500 (49500)
-6.1 m (-20')		*13900 (30600)	*13900 (30600)			*14750 (32500)	*14750 (32500)	*19300 (42500)	*19300 (42500)	*24100 (53000)	*24100 (53000)	*30300 (66700)	*30300 (66700)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC650LC-11 (for USA)

Conditions: Boom: 7660mm (25'2"), Without bucket, Shoes: 900 mm (35.4"), Lifting mode: ON unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4270 mm (14'0")													
	9.1 m (30')	*9950 (21900)	*9950 (21900)	*11350 (25000)	*11350 (25000)								
	6.1 m (20')	*9550 (21000)	*9550 (21000)	*14250 (31400)	13750 (30300)								
	3.0 m (10')	*10050 (22100)	9150 (20100)	*16200 (35400)	12950 (28500)	*18850 (41500)	16750 (36900)	*23350 (51400)	23050 (50700)				
	0 m (0')	*11550 (25400)	9150 (20100)	16900 (37200)	12250 (27000)	*21350 (47000)	15600 (34300)	*27100 (59600)	20900 (46000)	*20400 (44900)	*20400 (44900)		
	-3.0 m (-10')	14350 (31600)	10450 (23000)	16650 (36600)	12000 (26400)	*20900 (46000)	15250 (33600)	*26100 (57400)	20850 (45900)	*33650 (74000)	32700 (71900)	*22500 (49500)	*22500 (49500)
	-6.1 m (-20')	*13900 (30600)	*13900 (30600)			*14750 (32500)	*14750 (32500)	*19300 (42500)	*19300 (42500)	*24100 (53000)	*24100 (53000)	*30300 (66700)	*30300 (66700)

Conditions: Boom: 7660 mm (25'2"), Without bucket, Shoes: 750 mm (29.5"), Lifting mode: ON unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5200 mm (17'1")													
	9.1 m (30')	*7850 (17300)	*7850 (17300)										
	6.1 m (20')	*7600 (16700)	*7600 (16700)	*12900 (28400)	*12900 (28400)								
	3.0 m (10')	*7950 (17500)	*7950 (17500)	*15100 (33200)	12900 (28400)	*17400 (38300)	16850 (37100)	*21150 (46500)	*21150 (46500)	*28550 (62800)	*28550 (62800)		
	0 m (0')	*8950 (19700)	8050 (17700)	16650 (36600)	12050 (26500)	*20550 (45200)	15450 (34000)	*26150 (57500)	21050 (46300)	*28250 (62200)	*28250 (62200)		
	-3.0 m (-10')	*11200 (24600)	8950 (19700)	16200 (35600)	11650 (25600)	21050 (46300)	14850 (32700)	*26650 (58600)	20300 (44700)	*31450 (69200)	*31450 (69200)	*19800 (43600)	*19800 (43600)
	-6.1 m (-20')	*13400 (29500)	12050 (26500)					*22000 (48400)	20700 (45500)	*28100 (61800)	*28100 (61800)	*35950 (79100)	*35950 (79100)

Conditions: Boom: 7660mm (25'2"), Without bucket, Shoes: 900 mm (35.4"), Lifting mode: ON unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5200 mm (17'1")													
	9.1 m (30')	*7850 (17300)	*7850 (17300)										
	6.1 m (20')	*7600 (16700)	*7600 (16700)	*12900 (28400)	*12900 (28400)								
	3.0 m (10')	*7950 (17500)	*7950 (17500)	*15100 (33200)	13100 (28800)	*17400 (38300)	17050 (37500)	*21150 (46500)	*21150 (46500)	*28550 (62800)	*28550 (62800)		
	0 m (0')	*8950 (19700)	8150 (17900)	16850 (37100)	12200 (26800)	*20550 (45200)	15650 (34400)	*26150 (57500)	21350 (47000)	*28250 (62200)	*28250 (62200)		
	-3.0 m (-10')	*11200 (24600)	9100 (20000)	16450 (36200)	11800 (26000)	*21150 (46500)	15050 (33100)	*26650 (58600)	20550 (45200)	*31450 (69200)	*31450 (69200)	*19800 (43600)	*19800 (43600)
	-6.1 m (-20')	*13400 (29500)	12200 (26800)			*17500 (38500)	15300 (33700)	*22000 (48400)	20950 (46100)	*28100 (61800)	*28100 (61800)	*35950 (79100)	*35950 (79100)

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC700LC-11 (UK source)

Conditions: Boom: 6600 mm, Without bucket, Shoes: 610 mm, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm													
	9.0 m	*17450	*17450										
	6.0 m	*16000	13450			*19350	17250	*21800	*21800				
	3.0 m	15500	11750	16550	12500	21750	16200	*27100	22350				
	0 m	16250	12200			20950	15500	*28700	21150	*33750	33050		
	-3.0 m	*17350	15900					*23400	21300	*29600	*29600	*36250	*36250
	-6.0 m												

Conditions: Boom: 7300 mm, Without bucket, Shoes: 610 mm, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm													
	9.0 m	*12450	*12450										
	6.0 m	*12050	11250	*16250	13150	*17750	17350						
	3.0 m	*12950	10050	16550	12500	*21000	16150	*26300	22150				
	0 m	13600	10300	16000	12000	20700	15300	*28600	20850	*24500	*24500		
	-3.0 m	*16550	12450			*20450	15250	*25500	20850	*32150	*32150	*31450	*31450
	-6.0 m												

Conditions: Boom: 7600 mm, Without bucket, Shoes: 610 mm, Lifting mode: ON

unit: kg (lb)

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm													
	9.0 m	*12400	*12400										
	6.0 m	*12100	10500	*15800	13050	*17450	17200						
	3.0 m	12450	9450	16350	12350	*20750	15850	*26250	21650				
	0 m	12750	9600	15800	11800	20450	15050	*28250	20450	*18400	*18400		
	-3.0 m	15250	11400	15800	11800	20350	14950	*25350	20500	*31550	*31550	*27300	*27300
	-6.0 m							*15050	*15050				

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC700LC-8E0, PC700LC-8R (Japan source)

Conditions:

Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 610 mm (24")

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*8550 (18900)	*8550 (18900)										
6.1 m (20')		*8450 (18600)	*8450 (18600)	*12250 (27000)	11950 (22300)	*13500 (29700)	*13500 (29700)						
3.0 m (9')		9300 (20500)	7700 (17000)	*14150 (31200)	11100 (24500)	*17000 (37500)	14900 (32900)	*22100 (48700)	21250 (46800)				
0 m (0')		10550 (23300)	7700 (17000)	14200 (31300)	10400 (22900)	18950 (41800)	13850 (30500)	*25100 (55300)	19500 (43000)	*20150 (44400)	*20150 (44400)		
-3.0 m (-9')		12500 (27600)	9150 (20000)	14000 (30900)	10250 (22500)	*18600 (41000)	13550 (29900)	*23650 (52100)	19300 (42500)	*30400 (67100)	*30400 (67100)	*17400 (38300)	*17400 (38300)
-6.1 m (-20')		*12350 (27300)	*12350 (27300)			*11150 (24600)	*11150 (24600)	*16350 (36000)	*16350 (36000)	*20650 (45600)	*20650 (45600)		

Conditions:

Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 610 mm (24")

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3500 mm (11'6")													
9.1 m (29')		*8150 (17900)	*8150 (17900)										
6.1 m (20')		*7950 (17600)	*7950 (17600)	*12150 (26800)	11550 (25400)	*13200 (29100)	*13200 (29100)						
3.0 m (9')		*8900 (19700)	7900 (17400)	*13950 (30700)	10800 (23800)	*16700 (36800)	14750 (32500)	*21550 (47500)	*21050 (46400)	*26500 (58400)	*26500 (58400)		
0 m (0')		10950 (24100)	7900 (17500)	13950 (30700)	10150 (22300)	18800 (41500)	13650 (30100)	*24850 (54800)	19500 (43000)	*17800 (39300)	*17800 (39300)		
-3.0 m (-9')		13250 (29300)	9650 (21200)	13800 (30400)	10000 (22100)	*18150 (40100)	13350 (29500)	*23450 (51700)	19200 (42300)	*30700 (67700)	*30700 (67700)	*23750 (52400)	*23750 (52400)
-6.1 m (-20')		*12450 (27400)	*12450 (27400)					*14750 (32600)	*14750 (32600)	*19500 (43000)	*19500 (43000)		

Conditions:

Boom: 6600 mm (21'8"), Bucket (SAE): 3.50 m³ (4.58 cu.yd), Shoes: 610 mm (24")

(Lifting mode: ON)

unit: kg (lb)

B	A	MAX		9.1 m (29')		7.6 m (24')		6.1 m (20')		4.6 m (15')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'6")													
9.1 m (29')		*11800 (26000)	*11800 (26000)										
6.1 m (20')		*10950 (24100)	*10950 (24100)	*10750 (23700)	*10750 (23700)	*14500 (32000)	*14500 (32000)						
3.0 m (9')		*11950 (26300)	9450 (20800)	14500 (31900)	10600 (23400)	*17450 (38400)	14600 (32100)	*22300 (49200)	21350 (47000)	*30100 (66300)	*30100 (66300)		
0 m (0')		13150 (29000)	9550 (21000)	13900 (30600)	10100 (22200)	18850 (41600)	13650 (30100)	*24900 (54900)	19650 (43300)	*26550 (58500)	*26550 (58500)		
-3.0 m (-9')		*14550 (32100)	12300 (27100)			*16600 (36600)	13550 (29900)	*22300 (49100)	19450 (42900)	*29300 (64600)	*29300 (64600)	*27200 (60000)	*27200 (60000)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC800-8E0, PC800-8R1 (Japan source)

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 3.1 m³ (4.05cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3600 mm (11'10")													
6.0 m (19')		*7750 (17100)	*7750 (17100)	*12250 (27000)	*12250 (27000)	*14050 (31000)	*14050 (31000)						
3.0 m (9')		*9050 (20000)	7150 (15800)	*14600 (32200)	12100 (26700)	*17950 (39600)	16300 (35900)	*23900 (52700)	23000 (50700)				
0 m (0')		9350 (20600)	7050 (15550)	14200 (31300)	10850 (23900)	19000 (41900)	14450 (31900)	*21700 (47800)	20400 (45000)	*13550 (29900)	*13550 (29900)		
-3.0 m (-9')		11050 (24400)	8350 (18400)	13800 (30400)	10450 (23000)	18500 (40800)	13950 (30800)	*22450 (49500)	20100 (44300)	*20300 (44800)	*20300 (44800)	*19100 (42100)	*19100 (42100)
-6.0 m (-19')		*13800 (30400)	13600 (30000)			*14900 (32800)	14750 (32500)	*19100 (42100)	*19100 (42100)	*22500 (49600)	*22500 (49600)		

(Heavy Lift mode: ON)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3600 mm (11'10")													
6.0 m (19')		*8800 (19400)	8400 (18500)	*14000 (30900)	13700 (30200)	*16000 (35300)	*16000 (35300)						
3.0 m (9')		9350 (20700)	7150 (15700)	15550 (34300)	12100 (26700)	*20500 (45200)	16300 (36000)	*26900 (59300)	23000 (50800)				
0 m (0')		9350 (20600)	7050 (15550)	14200 (31400)	10850 (23900)	19000 (41900)	14450 (31900)	*21700 (47900)	20400 (45000)	*15100 (33300)	*15100 (33300)		
-3.0 m (-9')		11050 (24300)	8350 (18400)	13800 (30400)	10450 (23000)	18500 (40800)	13950 (30800)	*22450 (49500)	20100 (44400)	*20300 (44700)	*20300 (44700)	*21200 (46700)	*21200 (46700)
-6.0 m (-19')		*16050 (35400)	13600 (30000)			*17250 (38100)	14750 (32500)	*22050 (48600)	21250 (46800)	*22500 (49600)	*22500 (49600)		

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF)

unit: kg (lb)

B	A	MAX		12.0 m (39')		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4600 mm (15'1")															
6.0 m (19')		*6400 (14100)	*6400 (14100)	*7900 (17400)	7800 (17200)	*10750 (23700)	*10750 (23700)								
3.0 m (9')		*7350 (16200)	6150 (13500)	9400 (20700)	7150 (15800)	*13400 (29500)	12450 (27500)	*16350 (36000)	*16350 (36000)	*21400 (47200)	*21400 (47200)				
0 m (0')		8050 (17800)	6000 (13200)	8750 (19300)	6550 (14400)	14350 (31600)	10950 (24100)	19300 (42500)	14700 (32400)	*25950 (57200)	20800 (45900)	*14600 (32200)	*14600 (32200)		
-3.0 m (-9')		9200 (20300)	6850 (15100)			13600 (30000)	10250 (22600)	18300 (40300)	13750 (30300)	*26050 (57400)	19800 (43700)	*23500 (51800)	*23500 (51800)	*15950 (35100)	*15950 (35100)
-6.0 m (-19')		*12650 (27900)	10050 (22200)			*13300 (29300)	10500 (23200)	*17100 (37700)	14050 (31000)	*21850 (48100)	20400 (45000)	*28600 (63100)	*28600 (63100)	*27150 (59900)	*27150 (59900)

(Heavy Lift mode: ON)

unit: kg (lb)

B	A	MAX		12.0 m (39')		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4600 mm (15'1")															
6.0 m (19')		*7350 (16200)	7200 (15800)	*9000 (19800)	7800 (17200)	*12350 (27300)	*12350 (27300)								
3.0 m (9')		8150 (18000)	6150 (13500)	9400 (20700)	7150 (15800)	*15400 (34000)	12450 (27500)	*18700 (41200)	17000 (37500)	*24350 (53700)	*24350 (53700)				
0 m (0')		8050 (17800)	6000 (13200)	8750 (19300)	6550 (14400)	14350 (31600)	10950 (24100)	19300 (42500)	14700 (32400)	27800 (61300)	20800 (45900)	*16300 (36000)	*16300 (36000)		
-3.0 m (-9')		9200 (20300)	6850 (15100)			13600 (30000)	10250 (22600)	18300 (40300)	13750 (30300)	26750 (58900)	19800 (43700)	*26000 (57400)	*26000 (57400)	*17750 (39200)	*17750 (39200)
-6.0 m (-19')		13300 (29300)	10050 (22200)			13900 (30600)	10500 (23200)	18650 (41100)	14050 (31000)	*25150 (55400)	20400 (45000)	*30800 (67900)	*30800 (67900)	*27150 (59900)	*27150 (59900)

* Load is limited hydraulic capacity rather than tipping.
 Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC800-8E0, PC800-8R1 (Japan source)Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF)

unit: kg (lb)

B	A	MAX		12.0 m (39')		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5600 mm (18'4")															
6.0 m (19')		*4050 (8900)	*4050 (8900)	*7050 (15500)	*7050 (15500)										
3.0 m (9')		*4550 (10000)	*4550 (10000)	*9100 (20100)	7100 (15700)	*11800 (26100)	*11800 (26100)	*14250 (31500)	*14250 (31500)	*18400 (40600)	*18400 (40600)				
0 m (0')		*5650 (12500)	4750 (10500)	8500 (18800)	6300 (13900)	14250 (31400)	10850 (23900)	*18050 (39800)	14700 (32400)	*24200 (53300)	21000 (46300)	*15150 (33400)	*15150 (33400)		
-3.0 m (-9')		7400 (16300)	5350 (11800)	8050 (17800)	5850 (12900)	13150 (29000)	9800 (21600)	17850 (39300)	13300 (29300)	*25700 (56600)	19200 (42300)	*20100 (44300)	*20100 (44300)	*12850 (28400)	*12850 (28400)
-6.0 m (-19')		9950 (21900)	7350 (16200)			13100 (28900)	9750 (21500)	17750 (39100)	13200 (29100)	*23100 (51000)	19300 (42600)	*24300 (53600)	*24300 (53600)	*22250 (49000)	*22250 (49000)

(Heavy Lift mode: ON)

unit: kg (lb)

B	A	MAX		12.0 m (39')		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5600 mm (18'4")															
6.0 m (19')		*4750 (10500)	*4750 (10500)	*8050 (17800)	7900 (17400)										
3.0 m (9')		*5350 (11800)	4950 (10900)	9350 (20600)	7100 (15700)	*13650 (30200)	12650 (27900)	*16400 (36100)	*16400 (36100)	*20950 (46200)	*20950 (46200)				
0 m (0')		*6550 (14500)	4750 (10500)	8500 (18800)	6300 (13900)	14250 (31400)	10850 (23900)	19350 (42600)	14700 (32400)	*27650 (61000)	21000 (46300)	*16900 (37300)	*16900 (37300)		
-3.0 m (-9')		7400 (16300)	5350 (11800)	8050 (17800)	5850 (12900)	13150 (29000)	9800 (21600)	17850 (39300)	13300 (29300)	26100 (57600)	19200 (42300)	*22300 (49200)	*22300 (49200)	*14400 (31800)	*14400 (31800)
-6.0 m (-19')		9950 (21900)	7350 (16200)			13100 (28900)	9750 (21500)	17750 (39100)	13200 (29100)	26200 (57800)	19300 (42600)	*24300 (53600)	*24300 (53600)	*22250 (49000)	*22250 (49000)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC800-8E0 (SE spec.), PC800-8R1 (SE spec.)Conditions: Boom: 7100 mm (23'4"), Bucket (SAE): 4.0 m³ (5.23 cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'8")													
6.0 m (19')		*12300 (27100)	10100 (22300)	*12800 (28200)	12450 (27400)	*14400 (31700)	*14400 (31700)						
3.0 m (9')		11050 (24400)	8300 (18300)	14650 (32300)	11200 (24700)	*17850 (39400)	15600 (34400)	*23450 (51700)	22750 (50200)				
0 m (0')		11300 (24900)	8400 (18500)	13600 (30000)	10200 (22500)	18550 (40900)	13950 (30800)	*26250 (57900)	20150 (44400)	*28600 (63100)	*28600 (63100)		
-3.0 m (-9')		*14550 (32000)	11100 (24500)			*18000 (39700)	13800 (30400)	*23550 (51900)	20150 (44400)	*31050 (68500)	*31050 (68500)	*31800 (70100)	*31800 (70100)

(Heavy Lift mode: ON)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'8")													
6.0 m (19')		13150 (28900)	10100 (22300)	*14800 (32600)	12450 (27400)	*16500 (36400)	*16500 (36400)						
3.0 m (9')		11050 (24400)	8300 (18400)	14650 (32300)	11200 (24700)	20350 (44900)	15600 (34400)	*26750 (58900)	22750 (50100)				
0 m (0')		11300 (24900)	8400 (18600)	13600 (30000)	10200 (22500)	18550 (40900)	13950 (30800)	27200 (59900)	20150 (44400)	*31350 (69100)	*31350 (69100)		
-3.0 m (-9')		14800 (32600)	11100 (24500)			18400 (40600)	13800 (30400)	*27050 (59600)	20150 (44400)	*32200 (71000)	*32200 (71000)	*31800 (70100)	*31800 (70100)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC800LC-8E0, PC800LC-8R1 (Japan source)Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 3.1m³ (4.05 cu.yd), Shoes: 810 mm (32")

(Heavy Lift mode: ON)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3600 mm (11'10")													
9.0 m (29')		*8350 (18400)	*8350 (18400)										
6.0 m (19')		*8800 (19400)	*8800 (19400)	*14000 (30900)	*14000 (30900)	*16000 (35300)	*16000 (35300)						
3.0 m (9')		*10200 (22500)	7550 (16700)	*16750 (36900)	12700 (28000)	*20500 (45200)	17050 (37600)	*26900 (59300)	24050 (53000)				
0 m (0')		11850 (26100)	7450 (16500)	17900 (39500)	11450 (25200)	*23250 (51300)	15200 (33500)	*21700 (47900)	21400 (47200)	*15100 (33300)	*15100 (33300)		
-3.0 m (-9')		13950 (30800)	8850 (19500)	17450 (38500)	11050 (24300)	*22700 (50100)	14700 (32400)	*22450 (49500)	21150 (46600)	*20300 (44700)	*20300 (44700)	*21200 (46700)	*21200 (46700)
-6.0 m (-19')		*16050 (35400)	14300 (31500)			*17250 (38100)	15500 (34200)	*22050 (48600)	*22050 (48600)	*22500 (49600)	*22500 (49600)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC850-8E0, PC850-8R1 (Japan source)Conditions: Boom: 8040 mm (26'5"), Bucket (SAE): 3.4 m³ (4.45 cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3600 mm (11'10")													
6.0 m (19')		*9300 (20500)	8650 (19000)	*11050 (24400)	*11050 (24400)	*12800 (28200)	*12800 (28200)						
3.0 m (9')		9850 (21700)	7250 (16000)	*13250 (29200)	12300 (27100)	*16450 (36300)	*16450 (36300)	*22050 (48600)	*22050 (48600)				
0 m (0')		9850 (21900)	7150 (15800)	*14800 (32600)	10950 (24100)	*18700 (41200)	14750 (32500)	*20950 (46200)	*20950 (46200)	*19850 (43800)	*19850 (43800)		
-3.0 m (-9')		*11800 (26100)	8600 (19000)	*14350 (31600)	10550 (23200)	*18150 (40000)	14250 (31400)	*21250 (46800)	*20750 (45700)	*21150 (46600)	*21150 (46600)	*24450 (53900)	*24450 (53900)
-6.0 m (-19')		*12550 (27700)	*12550 (27700)			*12900 (28400)	*12900 (28400)	*17050 (37600)	*17050 (37600)	*21300 (47000)	*21300 (47000)		

(Heavy Lift mode: ON)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3600 mm (11'10")													
6.0 m (19')		*10550 (23200)	8650 (19000)	*12850 (28300)	*12850 (28300)	*14750 (32500)	*14750 (32500)						
3.0 m (9')		9850 (21700)	7250 (16000)	*15400 (33900)	12300 (27100)	*18950 (41800)	*16800 (37000)	*23400 (51600)	*23400 (51600)				
0 m (0')		9850 (21700)	7150 (15750)	14800 (32600)	10950 (24100)	19950 (43900)	14750 (32500)	*20950 (46200)	*20950 (46200)	*22100 (48700)	*22100 (48700)		
-3.0 m (-9')		11800 (26000)	8600 (19000)	14350 (31700)	10550 (23200)	19400 (42800)	14250 (31400)	*21250 (46850)	20750 (45700)	*21150 (46700)	*21150 (46700)	*24450 (53900)	*24450 (53900)
-6.0 m (-19')		*14850 (32700)	*14850 (32700)			*15250 (33600)	*15250 (33600)	*20000 (44100)	*20000 (44100)	*21300 (46900)	*21300 (46900)		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC850-8E0 (SE spec.), PC850-8R1 (SE spec.)Conditions: Boom: 7100 mm (23'4"), Bucket (SAE): 4.3 m³ (5.62 cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'8")													
6.0 m (19')		*12150 (26800)	11100 (24500)	*12650 (27900)	*12650 (27900)	*14250 (31400)	*14250 (31400)						
3.0 m (9')		12400 (27300)	9250 (20400)	*14500 (32000)	12350 (27200)	*17700 (39000)	17100 (37700)	*23250 (51300)	*23250 (51300)				
0 m (0')		12700 (28000)	9400 (20700)	15250 (33600)	11350 (25000)	*19700 (43400)	15450 (34100)	*26050 (57400)	22250 (49100)	*28450 (62700)	*28450 (62700)		
-3.0 m (-9')		*14400 (31700)	12350 (27200)			*17850 (39400)	15300 (33700)	*23350 (51500)	22200 (48900)	*30850 (68000)	*30850 (68000)	*31850 (70200)	*31850 (70200)

(Heavy Lift mode: ON)

unit: kg (lb)

B	A	MAX		9.0 m (29')		7.5 m (24')		6.0 m (19')		4.5 m (14')		3.0 m (9')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm (9'8")													
6.0 m (19')		*14100 (31100)	11100 (24500)	*14650 (32300)	13600 (30000)	*16350 (36000)	*16350 (36000)						
3.0 m (9')		12400 (27350)	9250 (20400)	16300 (35900)	12350 (27300)	*20350 (44800)	17100 (37800)	*26550 (58600)	24850 (54700)				
0 m (0')		12700 (28000)	9400 (20800)	15250 (33600)	11350 (25100)	20650 (45600)	15450 (34000)	*29800 (65700)	22250 (49000)	*31350 (69100)	*31350 (69100)		
-3.0 m (-9')		16500 (36400)	12350 (27200)			20550 (45300)	15300 (33700)	*26850 (59200)	22200 (49000)	*32100 (70800)	*32100 (70800)	*31850 (70200)	*31850 (70200)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250-11 (Japan source)

Conditions: Boom: 9100mm (2910"), Without bucket, Shoes: 700 mm (28")

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*22750 (50100)	21750 (47900)			*23400 (51600)	*23400 (51600)								
6.1 m (20')		21850 (48200)	18000 (39700)	22450 (49500)	18550 (40900)	*25200 (55600)	22850 (50400)	*28000 (61700)	*28000 (61700)	*32850 (72400)	*32850 (72400)				
3.0 m (10')		20400 (45000)	16750 (36900)	21700 (47800)	17800 (39200)	26200 (57800)	21400 (47200)	32500 (71600)	26350 (58100)	*40050 (88300)	33500 (73900)				
0.0 m (0')		21000 (46300)	17150 (37800)	21150 (46600)	17300 (38100)	25250 (55700)	20500 (45200)	31100 (68600)	25050 (55200)	40350 (89000)	32000 (70500)				
-3.0 m (-10')		24500 (54000)	19950 (44000)			25300 (55800)	20550 (45300)	31000 (68300)	*28000 (61700)	*40300 (88800)	32050 (70700)	*49000 (108000)	*49000 (108000)	*41250 (90900)	*41250 (90900)
-6.1 m (-20')		*26000 (57300)	*26000 (57300)							*30200 (66600)	*30200 (66600)	*37300 (82200)	*37300 (82200)	*41250 (90900)	*41250 (90900)

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*20750 (45700)	*20750 (45700)			*20900 (46100)	*20900 (46100)								
6.1 m (20')		*20350 (44900)	18000 (39700)	*21150 (46600)	18550 (40900)	*22450 (49500)	*22450 (49500)	*25000 (55100)	*25000 (55100)	*29350 (64700)	*29350 (64700)				
3.0 m (10')		20400 (45000)	16750 (36900)	21700 (47800)	17800 (39200)	*24900 (54900)	21400 (47200)	*28950 (63800)	26350 (58100)	*35650 (78600)	33500 (73900)				
0.0 m (0')		21000 (46300)	17150 (37800)	21150 (46600)	17300 (38100)	25250 (55700)	20500 (45200)	*31000 (68300)	25050 (55200)	*37800 (83300)	32000 (70500)				
-3.0 m (-10')		*23550 (51900)	19950 (44000)			*24650 (54300)	20550 (45300)	*29750 (65600)	24950 (55000)	*35750 (78800)	32050 (70700)	*43500 (95900)	*43500 (95900)	*37700 (83100)	*37700 (83100)
-6.1 m (-20')		*22900 (50500)	*22900 (50500)							*26650 (58800)	*26650 (58800)	*32900 (72500)	*32900 (72500)		

Conditions: Boom: 9100mm (2910"), Without bucket, Shoes: 700 mm (28")

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4500 mm (14'9")															
9.1 m (30')		*15900 (35100)	*15900 (35100)	*18550 (40900)	*18550 (40900)										
6.1 m (20')		*15650 (34500)	*15650 (34500)	*21500 (47400)	18700 (41200)	*22900 (50500)	*22900 (50500)	*25200 (55600)	*25200 (55600)						
3.0 m (10')		*16400 (36200)	14750 (32500)	21600 (47600)	17650 (38900)	*26100 (57500)	21350 (47100)	*30200 (66600)	26450 (58300)	*36900 (81300)	33850 (74600)				
0.0 m (0')		*18300 (40300)	14950 (33000)	20700 (45600)	16850 (37100)	24850 (54800)	20100 (44300)	30750 (67800)	24650 (54300)	39850 (87900)	31500 (69400)	*32350 (71300)	*32350 (71300)		
-3.0 m (-10')		20800 (45900)	16900 (37300)			24450 (53900)	19750 (43500)	30200 (66600)	24100 (53100)	39350 (86700)	31000 (68300)	*50850 (112100)	*50850 (112100)	*36350 (80100)	*36350 (80100)
-6.1 m (-20')		*24700 (54500)	22850 (50400)					*28150 (62100)	25000 (55100)	*34700 (76500)	32050 (70700)	*42550 (93800)	*42550 (93800)	*53100 (117100)	*53100 (117100)

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4500 mm (14'9")															
9.1 m (30')		*14450 (31900)	*14450 (31900)	*18850 (41600)	*18850 (41600)										
6.1 m (20')		*14250 (31400)	*14250 (31400)	*19100 (42100)	18700 (41200)	*22900 (50500)	*22900 (50500)	*22500 (49600)	*22500 (49600)						
3.0 m (10')		*14900 (32800)	14750 (32500)	*20800 (45900)	17650 (38900)	*26100 (57500)	21350 (47100)	*26800 (59100)	26450 (58300)	*32800 (72300)	*32800 (72300)				
0.0 m (0')		*16650 (36700)	14950 (33000)	20700 (45600)	16850 (37100)	24850 (54800)	20100 (44300)	*29750 (65600)	24650 (54300)	*36500 (80500)	31500 (69400)	*29550 (65100)	*29550 (65100)		
-3.0 m (-10')		*20400 (45000)	16900 (37300)			24450 (53900)	19750 (43500)	*29850 (65800)	24100 (53100)	*36150 (79700)	31000 (68300)	*45050 (99300)	*45050 (99300)	*33150 (73100)	*33150 (73100)
-6.1 m (-20')		*21750 (47900)	*21750 (47900)					*24800 (54700)	*24800 (54700)	*30650 (67600)	*30650 (67600)	*37550 (82800)	*37550 (82800)	*46850 (103300)	*46850 (103300)

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250-11 (Japan source)

Conditions: Boom: 9100mm (2910"), Without bucket, Shoes: 700 mm (28")

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		13.7 m (45')		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5700 mm (18'8")															
9.1 m (30')		*11750 (25900)	*11750 (25900)												
6.1 m (20')		*11600 (25600)	*11600 (25600)	*18450 (40700)	15650 (34500)	*19450 (42900)	19050 (41500)								
3.0 m (10')		*12050 (26600)	*12050 (26600)	18150 (40000)	14850 (32700)	21700 (47800)	17800 (39200)	*24200 (53300)	21600 (47600)	*27750 (61200)	26950 (59400)	*33550 (74000)	*33550 (74000)		
0.0 m (0')		*13250 (29200)	13150 (29000)	17450 (38500)	14150 (31200)	20600 (45400)	16700 (36800)	24800 (54700)	20000 (44000)	30750 (67800)	24650 (54300)	*39350 (86700)	31550 (69600)	*35350 (77900)	*35350 (77900)
-3.0 m (-10')		*15700 (34600)	14450 (31900)			20050 (44200)	16200 (35700)	24000 (52900)	19250 (42400)	29700 (65500)	23650 (52100)	38750 (85400)	30400 (67000)	*50200 (110700)	42450 (93600)
-6.1 m (-20')		*21500 (47400)	18300 (40300)					24400 (53800)	19650 (43300)	30000 (66100)	23950 (52800)	*37400 (82500)	30850 (68000)	*46400 (102300)	43350 (95300)

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		13.7 m (45')		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5700 mm (18'8")															
9.1 m (30')		*10650 (23500)	*10650 (23500)												
6.1 m (20')		*10500 (23100)	*10500 (23100)	*16650 (36700)	15650 (34500)	*17250 (38000)	*17250 (38000)								
3.0 m (10')		*10900 (24000)	*10900 (24000)	*17900 (39500)	14850 (32700)	*19300 (42500)	17800 (39200)	*21400 (47200)	*21400 (47200)	*24600 (54200)	*24600 (54200)	*29750 (65600)	*29750 (65600)		
0.0 m (0')		*12000 (46300)	*12000 (37800)	17450 (38500)	14150 (31200)	20600 (45400)	16700 (36800)	*24050 (53000)	20000 (44000)	*28300 (62400)	24650 (54300)	*34850 (76800)	31550 (69600)	*32250 (71100)	*32250 (71100)
-3.0 m (-10')		*14250 (31400)	*14250 (31400)			20050 (44200)	16200 (35700)	24000 (52900)	19250 (42400)	*29600 (65200)	23650 (52100)	*36100 (79600)	30400 (67000)	*45800 (101000)	42450 (93600)
-6.1 m (-20')		*19500 (43000)	18300 (40300)					*22350 (49300)	19650 (43300)	*27150 (59900)	23950 (52800)	*33000 (72700)	30850 (68000)	*40950 (90300)	*40950 (90300)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250SP-11 (Japan source)

Conditions: Boom: 7800mm (25'7"), Without bucket, Shoes: 700 mm (28")

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*21000 (46300)	*21000 (46300)					*28700 (63300)	*28700 (63300)						
6.1 m (20')		*20100 (44300)	*20100 (44300)			27800 (61300)	22950 (50500)	*30800 (67800)	29250 (64500)	*34900 (76900)	*34900 (76900)	*42200 (93000)	*42200 (93000)		
3.0 m (10')		*21050 (46400)	19800 (43600)			26750 (59000)	21950 (48400)	33550 (74000)	27350 (60300)	*41500 (91500)	35300 (77800)				
0.0 m (0')		*24250 (53500)	20600 (45400)			26050 (57400)	21250 (46800)	32200 (71000)	26050 (57400)	41950 (92500)	33450 (73700)	*55350 (122000)	46300 (102100)		
-3.0 m (-10')		*28450 (62700)	25300 (44000)					*30450 (67100)	26250 (57800)	*38700 (85300)	33450 (73700)	*47850 (105500)	46650 (102800)	*59200 (130500)	*59200 (130500)

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*19100 (42100)	*19100 (42100)					*25800 (56900)	*25800 (56900)						
6.1 m (20')		*18300 (40300)	*18300 (40300)			*25450 (56100)	22950 (50500)	*27600 (60800)	*27600 (60800)	*31350 (69100)	*31350 (69100)	*37950 (83700)	*37950 (83700)		
3.0 m (10')		*19150 (42200)	*19150 (42200)			26750 (59000)	21950 (48400)	*30850 (68000)	27350 (60300)	*37100 (81800)	35300 (77800)				
0.0 m (0')		*22050 (48600)	20600 (45400)			26050 (57400)	21250 (46800)	*32050 (70700)	26050 (57400)	*39000 (86000)	33450 (73700)	*49350 (108800)	46300 (102100)		
-3.0 m (-10')		*25250 (55700)	*25250 (55700)					*27050 (59600)	26250 (57800)	*34400 (75800)	33450 (73700)	*42550 (93800)	*42550 (93800)	*52550 (115800)	*52550 (115800)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250LC-11 (Japan source)

Conditions: Boom: 9100mm (2910"), Shoes: 1000 mm (39.4")

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2") Bucket: 5.0m ³ (6.64 cu.yd)															
9.1 m (30')		*14450 (31800)	*14450 (31800)			*16950 (37400)	*16950 (37400)								
6.1 m (20')		*14650 (32300)	13900 (30600)	*17350 (38300)	15750 (34700)	*18850 (41600)	*18850 (41600)	*21550 (47500)	*21550 (47500)	*26300 (57900)	*26300 (57900)				
3.0 m (10')		*16150 (35600)	12650 (27800)	*19250 (42400)	14750 (32500)	*22100 (48800)	18600 (41000)	*26750 (59000)	24000 (53000)	*33250 (73300)	31850 (70200)				
0.0 m (0')		*19300 (42600)	12950 (28500)	*20550 (45300)	13950 (30800)	*24250 (53500)	17450 (38500)	*29550 (65100)	22350 (49200)	*37100 (81800)	29650 (65400)	*18750 (41300)	*18750 (41300)		
-3.0 m (-10')		*20850 (46000)	15300 (33800)			*23750 (52400)	17200 (37900)	*29150 (64300)	21950 (48400)	*36150 (79700)	29550 (65100)	*45450 (100300)	*42900 (94600)	*19700 (43400)	*19700 (43400)
-6.1 m (-20')		*21850 (48200)	*21850 (48200)					*22200 (49000)	*22200 (49000)	*29450 (64900)	*29450 (64900)	*36750 (81000)	*36750 (81000)	*45400 (100100)	*45400 (100100)

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (14'2") Bucket: 5.0m ³ (6.64 cu.yd)															
9.1 m (30')		*12800 (28200)	*12800 (28200)			*14650 (32300)	*14650 (32300)								
6.1 m (20')		*13000 (28700)	*13000 (28700)	*14900 (32900)	*14900 (32900)	*16300 (35900)	*16300 (35900)	*18700 (41300)	*18700 (41300)	*22950 (50600)	*22950 (50600)				
3.0 m (10')		*14350 (31600)	12650 (27800)	*16550 (36400)	14750 (32500)	*19100 (42100)	18600 (41000)	*23250 (51200)	*23250 (51200)	*29050 (64000)	*29050 (64000)				
0.0 m (0')		*16650 (36700)	12950 (28500)	17650 (38900)	13950 (30800)	*20950 (46200)	17450 (38500)	*25650 (56600)	22350 (49200)	*32400 (71400)	29650 (65400)	*18750 (41300)	*18750 (41300)		
-3.0 m (-10')		*17950 (39500)	15300 (33800)			*20500 (45200)	17200 (37900)	*25300 (55800)	21950 (48400)	*31550 (69500)	29550 (65100)	*39800 (87700)	*39800 (87700)	*19700 (43400)	*19700 (43400)
-6.1 m (-20')		*18700 (41300)	*18700 (41300)					*19050 (42000)	*19050 (42000)	*25450 (56100)	*25450 (56100)	*31900 (70400)	*31900 (70400)	*39500 (87100)	*39500 (87100)

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4500 mm (14'9") Bucket: 5.0m ³ (6.64 cu.yd)															
9.1 m (30')		*9650 (21200)	*9650 (21200)	*14400 (31800)	*14400 (31800)										
6.1 m (20')		*9700 (21400)	*9700 (21400)	*15600 (34400)	*15600 (34400)	*16900 (37200)	*16900 (37200)								
3.0 m (10')		*10600 (23400)	*10600 (23400)	*17900 (39400)	14950 (33000)	*20500 (45200)	18900 (41700)	*24550 (54200)	*24550 (54200)	*30150 (66400)	*30150 (66400)				
0.0 m (0')		*12550 (27600)	11150 (24600)	*19800 (43700)	13900 (30600)	*23300 (51400)	17450 (38400)	*28450 (62700)	22350 (49300)	*36300 (80000)	29650 (65400)	*15750 (34700)	*15750 (34700)		
-3.0 m (-10')		*16550 (36400)	12800 (28200)	*19600 (43900)	13550 (29900)	*19600 (43200)	17500 (38600)	*29150 (64300)	21450 (47300)	*36500 (80400)	28800 (63500)	*45450 (100200)	42100 (92800)	*23500 (51900)	*23500 (51900)
-6.1 m (-20')		*20050 (44200)	17800 (39300)					*25900 (57100)	22100 (48700)	*71500 (157000)	29700 (65500)	*40900 (90200)	*40900 (90200)	*52850 (116600)	*52850 (116600)

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4500 mm (14'9") Bucket: 4.0m ³ (5.23 cu.yd)															
9.1 m (30')		*8400 (18500)	*8400 (18500)	*12350 (27200)	*12350 (27200)										
6.1 m (20')		*8450 (18700)	*8450 (18700)	*13300 (29400)	*13300 (29400)	*14500 (32000)	*14500 (32000)								
3.0 m (10')		*9250 (20400)	*9250 (20400)	*15300 (33700)	14950 (33000)	*17650 (38900)	*17650 (38900)	*21300 (46900)	*21300 (46900)	*26250 (57900)	*26250 (57900)				
0.0 m (0')		*11050 (24300)	*11050 (24300)	*17050 (37500)	13550 (29900)	*20100 (44300)	17450 (38400)	*24650 (54400)	22350 (49300)	*31600 (69700)	29650 (65400)	*15750 (34700)	*15750 (34700)		
-3.0 m (-10')		*14700 (32400)	12800 (28200)			*20650 (45500)	16800 (37000)	*25250 (55700)	21450 (47300)	*31750 (70000)	28800 (63500)	*39800 (87800)	*39800 (87800)	*20950 (46200)	*20950 (46200)
-6.1 m (-20')		*17100 (37700)	*17100 (37700)					*22300 (49200)	*21950 (48400)	*28100 (61900)	*28100 (61900)	*35600 (78500)	*35600 (78500)	*46150 (101700)	*46150 (101700)

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250LC-11 (Japan source)

Conditions: Boom: 9100mm (2910"), Shoes: 1000 mm (39.4")

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5700 mm (18'8") Bucket: 3.4m ³ (4.45 cu.yd)															
9.1 m (30')		*6100 (13500)	*6100 (13500)												
6.1 m (20')		*6100 (13500)	*6100 (13500)	*13700 (30200)	*13700 (30200)										
3.0 m (10')		*6650 (14600)	*6650 (14600)	*16300 (35900)	15250 (33700)	*18550 (40900)	*18550 (40900)	*22050 (48600)	*22050 (48600)	*27850 (61400)	*27850 (61400)	*26400 (58200)	*26400 (58200)		
0.0 m (0')		*7800 (17200)	*7800 (17200)	*18700 (41300)	13950 (30700)	*22000 (48500)	17550 (38700)	*26850 (59200)	17550 (38700)	*34450 (75900)	30050 (66300)	*29200 (64400)	*29200 (64400)		
-3.0 m (-10')		*10100 (22300)	*10100 (22300)	*19800 (43700)	13250 (29200)	*23600 (52000)	16500 (36400)	*28750 (63400)	21200 (46700)	*36150 (79700)	28350 (62500)	*39600 (87300)	*39600 (87300)	*23350 (51500)	*23350 (51500)
-6.1 m (-20')		*15350 (33800)	13850 (30600)	*17350 (38200)	13550 (29900)	*22150 (48800)	16650 (36700)	*27400 (60400)	21300 (46900)	*34200 (75400)	28700 (63300)	*43800 (96600)	*43800 (96600)	*48600 (107200)	*48600 (107200)

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5700 mm (18'8") Bucket: 3.4m ³ (4.45 cu.yd)															
9.1 m (30')		*5150 (13500)	*5150 (13500)												
6.1 m (20')		*5150 (13500)	*5150 (13500)	*11600 (25500)	*11600 (25500)										
3.0 m (10')		*5600 (12400)	*5600 (12400)	*13900 (30600)	*13900 (30600)	*15900 (35100)	*15900 (35100)	*19050 (42000)	*19050 (42000)	*24200 (53400)	*24200 (53400)	*26400 (58200)	*26400 (58200)		
0.0 m (0')		*6650 (14700)	*6650 (14700)	*16000 (35200)	13950 (30700)	*18900 (41700)	17550 (38700)	*23200 (51200)	22550 (49800)	*29950 (66000)	29600 (65300)	*26150 (57600)	*26150 (57600)		
-3.0 m (-10')		*8750 (19300)	*8750 (19300)	*16900 (37300)	13250 (29200)	*20300 (44700)	16500 (36400)	*24850 (54800)	21200 (46700)	*31400 (69200)	28350 (62500)	*35650 (78600)	*35650 (78600)	*20750 (45800)	*20750 (45800)
-6.1 m (-20')		*13550 (29800)	*13550 (29800)	*14700 (32400)	13550 (29900)	*18950 (41800)	16650 (36700)	*23600 (52000)	21300 (46900)	*29600 (65300)	28700 (63300)	*38150 (84100)	*38150 (84100)	*43850 (96700)	*43850 (96700)

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250-8, PC1250-8R (Japan source)

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 5.0 m³ (6.54 cu.yd), Shoes: 700 mm (28")
 (Heavy-lifting: "ON")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*15200 (33500)	*15200 (33500)			*18000 (39700)	*18000 (39700)								
6.1 m (20')		*15950 (35150)	13200 (29100)			*20050 (44200)	17400 (38400)	*22950 (50600)	*22950 (50600)	*27900 (61500)	*27900 (61500)				
3.0 m (10')		15650 (34500)	11850 (26200)	16400 (36100)	12500 (27500)	20850 (46000)	16100 (35500)	27000 (59500)	20850 (46000)	*34950 (77100)	27650 (60900)				
0.0 m (0')		16250 (35900)	12300 (27100)			19950 (44000)	15200 (33500)	24200 (53400)	18200 (40200)	34400 (75800)	26100 (57500)				
-3.0 m (-10')		19950 (44000)	15250 (33600)			20000 (44100)	15250 (33700)	25600 (56400)	19550 (43100)	34600 (76300)	26300 (57900)	*43850 (96700)	38400 (84700)	*39250 (86600)	*39250 (86600)
-6.1 m (-20')		*23500 (51800)	*23500 (51800)							*25400 (56100)	*25400 (56100)	*32550 (71800)	*32550 (71800)		

(Heavy-lifting: "OFF")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*15200 (33500)	*15200 (33500)			*15500 (34200)	*15500 (34200)								
6.1 m (20')		*15850 (34900)	13200 (29100)			*17300 (38100)	*17300 (38100)	*19950 (44000)	*19950 (44000)	*24400 (53800)	*24400 (53800)				
3.0 m (10')		15650 (34500)	11850 (26200)	16400 (36100)	12500 (27500)	*19800 (43700)	16100 (35500)	*23900 (52700)	20850 (46000)	*30550 (67400)	27650 (60900)				
0.0 m (0')		16250 (35900)	12300 (27100)			19950 (44000)	15200 (33500)	24200 (53400)	18200 (40200)	*32650 (72000)	26100 (57500)				
-3.0 m (-10')		*19600 (43200)	15250 (33600)			*19650 (43300)	15250 (33700)	*24750 (54600)	19550 (43100)	*30750 (67800)	26300 (57900)	*38350 (84500)	*38350 (84500)	*39250 (86600)	*39250 (86600)
-6.1 m (-20')		*20150 (44500)	*20150 (44500)							*21900 (48200)	*21900 (48200)	*28150 (62100)	*28150 (62100)		

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 4.0 m³ (5.2 cu.yd), Shoes: 700 mm (28")

(Heavy-lifting: "ON")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4500 mm (14'9")															
9.1 m (30')		*9300 (20500)	*9300 (20500)												
6.1 m (20')		*9650 (21300)	*9650 (21300)	*16650 (36700)	13700 (30200)	*18150 (40000)	18000 (39700)	*20550 (45400)	*20550 (45400)						
3.0 m (10')		*10950 (24200)	10200 (22500)	16650 (36700)	12750 (28100)	21200 (46700)	16400 (36100)	*25600 (56500)	21300 (47000)	*32350 (71400)	28500 (62800)				
0.0 m (0')		*13650 (30100)	10400 (23000)	15850 (34900)	11950 (26400)	19900 (43900)	15150 (33400)	24550 (54100)	18500 (40800)	34450 (75900)	26100 (57600)	*29300 (64600)	29300 (64600)		
-3.0 m (-10')		16400 (36200)	12400 (27300)			19550 (43100)	14800 (32600)	25100 (55400)	19050 (42000)	34000 (75000)	25700 (56600)	*46350 (102200)	37500 (82600)	*31900 (70300)	*31900 (70300)
-6.1 m (-20')		*21750 (48000)	18700 (41300)					*23650 (52100)	20000 (44100)	*28850 (63600)	25200 (55500)	*38200 (84300)	*38200 (84300)	*48900 (107800)	*48900 (107800)

(Heavy-lifting: "OFF")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4500 mm (14'9")															
9.1 m (30')		*9300 (20500)	*9300 (20500)												
6.1 m (20')		*9650 (21300)	*9650 (21300)	*14250 (31400)	13700 (30200)	*15600 (34400)	*15600 (34400)	*17850 (39300)	*17850 (39300)						
3.0 m (10')		*10950 (24200)	10200 (22500)	*16050 (35400)	12750 (28100)	*18500 (40800)	16400 (36100)	*22250 (49000)	21300 (47000)	*28250 (62300)	*28250 (62300)				
0.0 m (0')		*13650 (30100)	10400 (23000)	15850 (34900)	11950 (26400)	19900 (43900)	15150 (33400)	*24200 (53300)	18500 (40800)	*31950 (70400)	26100 (57600)	*29300 (64600)	*29300 (64600)		
-3.0 m (-10')		16400 (36200)	12400 (27300)			19550 (43100)	14800 (32600)	25100 (55400)	19050 (42000)	*31650 (69800)	25700 (56600)	*40550 (89400)	37500 (82600)	*31900 (70300)	*31900 (70300)
-6.1 m (-20')		*18650 (41100)	18650 (41100)					*20300 (44800)	20000 (44100)	*24800 (54700)	24800 (54700)	*33200 (73200)	*33200 (73200)	*42600 (93900)	*42600 (93900)

* Load is limited by hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250-8, PC1250-8R (Japan source)

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 3.4 m³ (4.4 cu.yd), Shoes: 700 mm (28")
 (Heavy-lifting: "ON")

unit: kg (lb)

B	A	MAX		13.7 m (45')		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5700 mm (18'8")															
9.1 m (30')		*5900 (1300)	*5900 (13000)												
6.1 m (20')		*6050 (13400)	*6050 (13400)	*11050 (24300)	10950 (24100)	*14950 (32900)	14350 (31600)								
3.0 m (10')		*6800 (15000)	*6800 (15000)	13550 (29900)	10250 (22600)	17050 (37600)	13100 (28900)	*19800 (43700)	16900 (37200)	*23450 (51700)	22050 (48600)	*29300 (64600)	*29300 (64600)	*39750 (87600)	*39750 (87600)
0.0 m (0')		*8400 (18500)	*8400 (18500)	12850 (28400)	9600 (21100)	15950 (35200)	12050 (26600)	20100 (44300)	15300 (33800)	25900 (57100)	19800 (43600)	34800 (76700)	26450 (58300)	*31200 (68800)	*31200 (68800)
-3.0 m (-10')		*11500 (25400)	10150 (22400)			15500 (34100)	11600 (25600)	19300 (42600)	14600 (32100)	24850 (54800)	18800 (41500)	33600 (74100)	25300 (55800)	*47600 (105000)	36800 (81100)
-6.1 m (-20')		18600 (41000)	14100 (31100)					19750 (43500)	15000 (33000)	25200 (55600)	19150 (42200)	*33250 (73300)	25850 (56900)	*42350 (93300)	37850 (83400)

(Heavy-lifting: "OFF")

unit: kg (lb)

B	A	MAX		13.7 m (45')		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 5700 mm (18'8")															
9.1 m (30')		*5900 (1300)	*5900 (13000)												
6.1 m (20')		*6050 (13400)	*6050 (13400)	*11050 (24300)	10950 (24100)	*12700 (28000)	*12700 (28000)								
3.0 m (10')		*6800 (15000)	*6800 (15000)	*13350 (29500)	10250 (22600)	*14850 (32800)	13100 (28900)	*17050 (37600)	16900 (37200)	*20300 (44800)	*20300 (44800)	*25550 (56300)	*25550 (56300)	*34850 (76800)	*34850 (76800)
0.0 m (0')		*8400 (18500)	*8400 (18500)	12850 (28400)	9600 (21100)	15950 (35200)	12050 (26600)	*19700 (43400)	15300 (33800)	*24000 (53000)	19800 (43600)	*30600 (67500)	26450 (58300)	*31200 (68800)	*31200 (68800)
-3.0 m (-10')		*11500 (25400)	10150 (22400)			15500 (34100)	11600 (25600)	19300 (42600)	14600 (32100)	24850 (54800)	18800 (41500)	*31900 (70300)	25300 (55800)	*41650 (91800)	36600 (81100)
-6.1 m (-20')		*16550 (36500)	14100 (31100)					*18050 (39800)	15000 (33000)	*22950 (50600)	19150 (42200)	*28850 (63600)	25850 (56900)	*36900 (81300)	*36900 (81300)

* Load is limited by hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250-8 (SP spec.), PC1250-8R (SP spec.)

Conditions: Boom: 7800 mm (25'7"), Bucket (SAE): 6.7 m³ (8.8 cu.yd), Shoes: 700 mm (28")

(Heavy-lifting: "ON")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')	*11700 (25800)	*11700 (25800)						*17050 (37600)	*17050 (37600)						
6.1 m (20')	*12250 (27000)	*12250 (27000)			*16300 (35900)	16100 (35600)	*24350 (53700)	22600 (49800)	*28750 (63400)	*28750 (63400)	*36350 (80100)	*36350 (80100)			
3.0 m (10')	*14600 (32200)	13700 (30200)			20150 (44400)	15300 (33800)	26950 (59500)	20750 (45700)	*33850 (74700)	27000 (59600)	*47450 (104600)	41150 (90700)			
0.0 m (0')	19300 (42600)	14550 (32000)			19400 (42800)	14600 (32200)	25600 (56400)	19450 (42900)	31750 (70000)	23500 (51800)	*48750 (107500)	38650 (85200)			
-3.0 m (-10')	*23900 (52700)	19550 (43100)					*23950 (52900)	19550 (43100)	*30750 (67800)	24850 (54800)	*41450 (91300)	39250 (86500)	*52450 (115700)	*52450 (115700)	
-6.1 m (-20')															

(Heavy-lifting: "OFF")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')	*11700 (25800)	*11700 (25800)						*17050 (37600)	*17050 (37600)						
6.1 m (20')	*12250 (27000)	*12250 (27000)			*16300 (35900)	16100 (35600)	*21150 (46600)	*21150 (46600)	*25150 (55500)	*25150 (55500)	*32100 (70800)	*32100 (70800)			
3.0 m (10')	*14600 (32200)	13700 (30200)			20150 (44400)	15300 (33800)	*24450 (54000)	20750 (45700)	*29450 (65000)	27000 (59600)	*41750 (92000)	41150 (90700)			
0.0 m (0')	19300 (42600)	14550 (32000)			19400 (42800)	14600 (32200)	25600 (56400)	19450 (42900)	*29900 (65900)	23500 (51800)	*42750 (94300)	38650 (85200)			
-3.0 m (-10')	*20500 (45200)	19550 (43100)					*20550 (45300)	19550 (43100)	*26450 (58300)	24850 (54800)	*36100 (79600)	*36100 (79600)	*45800 (100800)	*45800 (100800)	
-6.1 m (-20')															

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250-7

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 5.0 m³ (6.54 cu.yd), Shoes: 700 mm (28")

(Heavy-lifting: "OFF")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')	*15200 (33500)	*15200 (33500)			*15500 (34200)	*15500 (34200)									
6.1 m (20')	*15850 (34900)	12900 (28500)			*17300 (38100)	17100 (37700)	*19950 (44000)	*19950 (44000)	*24400 (53800)	*24400 (53800)					
3.0 m (10')	15350 (33800)	11600 (25600)	16050 (35400)	12200 (26900)	*19800 (43700)	15750 (34800)	*23900 (52700)	20500 (45200)	*30550 (67400)	27150 (59800)					
0.0 m (0')	15950 (35200)	12050 (26500)			19600 (43200)	14900 (32800)	23750 (52400)	17850 (39300)	*32650 (72000)	25600 (56400)					
-3.0 m (-10')	*19600 (43200)	14900 (32900)			*19650 (43300)	14950 (33000)	*24750 (54600)	19150 (42200)	*30750 (67800)	25800 (56800)	*38350 (84500)	37750 (83200)	*39250 (86600)	*39250 (86600)	
-6.1 m (-20')	*20150 (44500)	*20150 (44500)							*21900 (48200)	*21900 (48200)	*28150 (62100)	*28150 (62100)			

(Heavy-lifting: "ON")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')	*15200 (33500)	*15200 (33500)			*18000 (39700)	17900 (39400)									
6.1 m (20')	*15950 (35100)	12900 (28500)			*20000 (44200)	17100 (37700)	*22950 (50600)	22750 (50200)	*27900 (61500)	*27900 (61500)					
3.0 m (10')	15350 (33800)	11600 (25600)	16050 (35400)	12200 (26900)	20500 (45200)	15750 (34800)	26550 (58600)	20500 (45200)	*34950 (77000)	27150 (59800)					
0.0 m (0')	15950 (35200)	12050 (26500)			19600 (43200)	14900 (32800)	23750 (52400)	17850 (39300)	33800 (74600)	25600 (56400)					
-3.0 m (-10')	19600 (43200)	14900 (32900)			19650 (43300)	14950 (33000)	25150 (55400)	19150 (42200)	34050 (75000)	25800 (56800)	*43850 (96700)	37750 (83200)	*39250 (86600)	*39250 (86600)	
-6.1 m (-20')	*23500 (51800)	*23500 (51800)							*25400 (56000)	*25400 (56000)	*32550 (71700)	*32550 (71700)			

* Load is limited by hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC1250LC-7 (Japan source)Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 5.2 m³ (6.80 cu.yd), Shoes: 1000 mm (39")

(Heavy-lifting: "OFF")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*15200 (33500)	*15200 (33500)			*15500 (34200)	*15500 (34200)								
6.1 m (20')		*15850 (34900)	13850 (30500)			*17300 (38100)	*17300 (38100)	*19950 (44000)	*19950 (44000)	*24400 (53800)	*24400 (53800)				
3.0 m (10')		*16750 (36900)	12500 (27600)	*17150 (37800)	13150 (29000)	*19800 (43700)	16850 (37200)	*23900 (52700)	21800 (48100)	*30550 (67400)	28850 (63600)				
0.0 m (0')		*18050 (39800)	12950 (28600)			*21250 (46900)	15950 (35200)	*24700 (54400)	19150 (42200)	*32650 (72000)	27300 (60100)				
-3.0 m (-10')		*19600 (43200)	16000 (35300)			*19650 (43300)	16050 (35400)	*24750 (54600)	20450 (45100)	*30750 (67800)	27450 (60600)	*38350 (84500)	*38350 (84500)	*39250 (86600)	*39250 (86600)
-6.1 m (-20')		*20150 (44500)	*20150 (44500)							*21900 (48200)	*21900 (48200)	*28150 (62100)	*28150 (62100)		

(Heavy-lifting: "ON")

unit: kg (lb)

B	A	MAX		12.2 m (40')		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3400 mm (11'2")															
9.1 m (30')		*15200 (33500)	*15200 (33500)			*18000 (39700)	*18000 (39700)								
6.1 m (20')		*15950 (35100)	13850 (30500)			*20000 (44200)	18200 (40100)	*22950 (50600)	*22950 (50600)	*27900 (61500)	*27900 (61500)				
3.0 m (10')		*18300 (40300)	12500 (27600)	*19950 (43900)	13150 (29000)	*22900 (50500)	16850 (37200)	*27500 (60600)	21800 (48100)	*34950 (77000)	28850 (63600)				
0.0 m (0')		*21000 (46300)	12950 (28600)			*24600 (54200)	15950 (35200)	*28550 (63000)	19150 (42200)	*37400 (82400)	27300 (60100)				
-3.0 m (-10')		*22700 (50100)	16000 (35300)			*22800 (50200)	16050 (35400)	*28550 (62900)	20450 (45100)	*35300 (77800)	27450 (60600)	*43850 (96700)	40100 (88400)	*39250 (86600)	*39250 (86600)
-6.1 m (-20')		*23500 (51800)	*23500 (51800)							*25400 (56000)	*25400 (56000)	*32550 (71700)	*32550 (71700)		

* Load is limited by hydraulic capacity rather than tipping.

Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC2000-11 (Japan source)

Conditions: Boom: 8700mm (28'7"), Bucket: 12.0 m³ (15.7 cu.yd), Shoes: 810 mm (32")

Heavy Lift: ON

unit: kg (lb)

B	A	MAX		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3900 mm (12'10")															
7.6 m (25')		*23720 (52300)	*23720 (52300)	*35600 (78450)	*35600 (78450)										
6.1 m (20')		*24670 (54350)	*24670 (54350)	*37690 (83100)	*37690 (83100)	*43760 (96450)	*43760 (96450)	*52480 (115700)	*52480 (115700)						
3.0 m (10')		*28570 (62950)	*24200 (53350)	*42010 (92600)	35990 (79350)	*50920 (112250)	47590 (104900)	*63820 (140700)	*63820 (140700)						
0.0 m (0')		*34090 (75150)	25110 (55350)	*43470 (95800)	33550 (73950)	*53560 (118050)	43940 (96850)	*66960 (147600)	59060 (130200)	*62440 (137650)	*62440 (137650)				
-3.0 m (-10')		*34790 (76700)	30510 (67250)	*38450 (84750)	33100 (72950)	*48800 (107550)	43110 (95050)	*60510 (133400)	58310 (128550)	*64600 (142400)	*64600 (142400)	*61520 (135600)	*61520 (135600)	*54280 (119650)	*54280 (119650)
-6.1 m (-20')		*31290 (68950)	*31290 (68950)					*38240 (84300)	*38240 (84300)	*48220 (106300)	*48220 (106300)	*57850 (127500)	*57850 (127500)		

Heavy Lift: OFF

unit: kg (lb)

B	A	MAX		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3900 mm (12'10")															
7.6 m (25')		*21090 (46500)	*21090 (46500)	*31260 (68900)	*31260 (68900)										
6.1 m (20')		*21970 (48450)	*21970 (48450)	*33080 (72900)	*33080 (72900)	*38660 (85200)	*38660 (85200)	*46650 (102850)	*46650 (102850)						
3.0 m (10')		*25580 (56400)	*24200 (53350)	*36810 (81150)	35990 (79350)	*44870 (98900)	*44870 (98900)	*56490 (124550)	*56490 (124550)						
0.0 m (0')		*29510 (65050)	25110 (55350)	*37980 (83700)	33550 (73950)	*47050 (103700)	43940 (96850)	*59070 (130200)	59060 (130200)	*62440 (137650)	*62440 (137650)				
-3.0 m (-10')		*30010 (66150)	*30010 (66150)	*33320 (73450)	33100 (72950)	*42610 (93950)	*42610 (93950)	*53060 (116950)	*53060 (116950)	*64600 (142400)	*64600 (142400)	*61520 (135600)	*61520 (135600)	*49290 (108650)	*49290 (108650)
-6.1 m (-20')		*26520 (58450)	*26520 (58450)					*32720 (72100)	*32720 (72100)	*41470 (91400)	*41470 (91400)	*49660 (109450)	*49660 (109450)		

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC2000-8 (Japan source)

Conditions: Boom: 8700 mm (28'7"), Bucket (SAE): 12.0 m³ (15.7 cu.yd), Shoes: 810 mm (32")

(Heavy-lifting: "OFF")

unit: kg (lb)

B	A		MAX		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
Arm length 3900 mm (12'10")																	
6.1 m (20')	*21950 (48400)	*21950 (48400)	*33350 (73500)	*33350 (73500)	*38650 (85200)	*38650 (85200)	*46700 (102900)	*46700 (102900)									
3.0 m (10')	*25500 (56100)	24100 (53100)	*37150 (81900)	36050 (79400)	*44850 (98800)	*44850 (98800)	*56550 (124700)	*56550 (124700)									
0.0 m (0')	*29800 (65700)	25050 (55200)	*38500 (84800)	33600 (74100)	*47150 (103900)	43450 (95800)	*59400 (130900)	58650 (129300)	*68850 (151800)	*68850 (151800)							
-3.0 m (-10')	*30350 (66900)	*30350 (66900)	*33700 (74300)	33200 (73200)	*42650 (94000)	*42650 (94000)	*53300 (117400)	*53300 (117400)	*67000 (147700)	*67000 (147700)	*68250 (150400)	*68250 (150400)	*50150 (110600)	*50150 (110600)			
-6.1 m (-20')	*27000 (59500)	*27000 (59500)					*33150 (73100)	*33150 (73100)	*42200 (93000)	*42200 (93000)	*50800 (111900)	*50800 (111900)					

(Heavy-lifting: "ON")

unit: kg (lb)

B	A		MAX		10.7 m (35')		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
Arm length 3900 mm (12'10")																	
6.1 m (20')	*24850 (54800)	*24850 (54800)	*38350 (84500)	*38350 (84500)	*44150 (97300)	*44150 (97300)	*52950 (116700)	*52950 (116700)									
3.0 m (10')	*28700 (63200)	24100 (53100)	*42800 (94300)	36050 (79400)	*51300 (113100)	475050 (103700)	*64450 (142000)	63650 (140300)									
0.0 m (0')	*34100 (75200)	25050 (55200)	*44400 (97900)	33600 (74100)	*54150 (119400)	43450 (95800)	*67900 (149600)	58650 (129300)	*62450 (137600)	*62450 (137600)							
-3.0 m (-10')	*35550 (78300)	30600 (67400)	*39250 (86500)	33200 (73200)	*49300 (108600)	42700 (94100)	*61300 (135100)	57500 (127800)	*64650 (142500)	*64650 (142500)	*61500 (135600)	*61500 (135600)	*55650 (122700)	*55650 (122700)			
-6.1 m (-20')	*32150 (70800)	*32150 (70800)					*39150 (86200)	*39150 (86200)	*49500 (109000)	*49500 (109000)	*59650 (131500)	*59650 (131500)					

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard NO. J/ISO10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping loa

HB205-1M0 (Japan source)Conditions: Boom: 5700 mm , Bucket (SAE): 0.80m³, Shoes: 600 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm													
7.5 m		*2900	*2900			*4050	*4050						
6.0 m		*2750	2600	*3100	2600	*4250	4100						
4.5 m		*2750	2150	4000	2550	*4850	3900	*5500	*5500				
3.0 m		*2900	1900	3850	2450	5650	3650	*7700	5850	*11600	11450		
1.5 m		2950	1800	3700	2300	5400	3400	8700	5300	*6800	*6800		
0 m		3000	1800	3600	2200	5150	3200	8300	4950	*5150	*5150		
-1.5 m		3300	2000	3550	2150	5050	3050	8100	4850	*9300	*9300	*5150	*5150
-3.0 m		3950	2400			5050	3100	8200	4900	*14800	9850	*9700	*9700
-4.5 m		5700	3500					8400	5100	*12950	10200		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB215LC-1M0 (Japan source)Conditions: Boom: 5700 mm, Bucket (SAE): 0.80m³, Shoes: 700 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm													
7.5 m		*2900	*2900			*4050	*4050						
6.0 m		*2750	*2750	*3100	3050	*4250	*4250						
4.5 m		*2750	2550	*4600	3000	*4850	4500	*5500	*5500				
3.0 m		*2900	2250	4800	2850	*5900	4200	*7700	6800	*11600	*11600		
1.5 m		*3200	2150	4600	2750	6700	3950	*9800	6250	*6800	*6800		
0 m		*3700	2200	4500	2600	6500	3750	10550	5850	*5150	*5150		
-1.5 m		4150	2400	4550	2550	6350	3650	10400	5750	*9300	*9300	*5150	*5150
-3.0 m		4950	2900			6350	3650	*10400	5800	*14800	11800	*9700	*9700
-4.5 m		*6700	4100					*9100	6000	*12950	*12000		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No.J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB215LC-3 (Japan source)

Conditions: Boom: 5700 mm (18'8"), Without bucket

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7") Shoes: 700 mm (28")													
7.6 m (25')		*4150 (9150)	*4150 (9150)										
6.1 m (20')		*3850 (8450)	*3850 (8450)			*6600 (14550)	5900 (13000)						
4.6 m (15')		*3850 (8450)	*3850 (8450)	*5250 (11550)	4150 (9150)	*7250 (15950)	5800 (12750)	*8100 (17850)	*8100 (17850)				
3.0 m (10')		*3950 (8700)	3600 (7900)	6000 (13200)	4100 (9050)	*8350 (18400)	5600 (12350)	*10450 (23000)	8350 (18400)	*12850 (28300)	*12850 (28300)		
1.5 m (5')		*4250 (9350)	3500 (7700)	5900 (13000)	4000 (8800)	8150 (17950)	5350 (11800)	*12700 (28000)	7900 (17400)				
0 m (0')		*4750 (10450)	3600 (7900)	5850 (12900)	3900 (8600)	8000 (17600)	5200 (11450)	12500 (27550)	7650 (16850)	*7500 (16500)	*7500 (16500)		
-1.5 m (-5')		*5700 (12550)	3850 (8450)	5800 (12750)	3900 (8600)	7900 (17400)	5150 (11350)	12400 (27300)	7600 (16750)	*12050 (26550)	*12050 (26550)	*7600 (16750)	*7600 (16750)
-3.0 m (-10')		6900 (15200)	4550 (10000)			7950 (17500)	5150 (11350)	12450 (27450)	7650 (16850)	*18550 (40900)	14450 (31850)	*12350 (27200)	*12350 (27200)
-4.6 m (-15')		*9000 (19850)	6450 (14200)					*10800 (23800)	7800 (17200)	*15100 (33250)	14800 (32600)		
Arm length 2925 mm (9'7") Shoes: 800 mm (31.5")													
7.6 m (25')		*4150 (9150)	*4150 (9150)										
6.1 m (20')		*3850 (8450)	*3850 (8450)			*6600 (14550)	5950 (13100)						
4.6 m (15')		*3850 (8450)	*3850 (8450)	*5250 (11550)	4200 (9250)	*7250 (15950)	5850 (12900)	*8100 (17850)	*8100 (17850)				
3.0 m (10')		*3950 (8700)	3650 (8050)	6100 (13450)	4100 (9050)	*8350 (18400)	5650 (12450)	*10450 (23000)	8450 (18600)	*12850 (28300)	*12850 (28300)		
1.5 m (5')		*4250 (9350)	3550 (7800)	6000 (13200)	4000 (8800)	8250 (18150)	5400 (11900)	*12700 (28000)	8000 (17600)				
0 m (0')		*4750 (10450)	3600 (7900)	5900 (13000)	3950 (8700)	8100 (17850)	5250 (11550)	12600 (27750)	7750 (17050)	*7500 (16500)	*7500 (16500)		
-1.5 m (-5')		*5700 (12550)	3900 (8600)	5850 (12900)	3900 (8600)	8000 (17600)	5200 (11450)	12550 (27650)	7650 (16850)	*12050 (26550)	*12050 (26550)	*7600 (16750)	*7600 (16750)
-3.0 m (-10')		7000 (15400)	4600 (10100)			8050 (17750)	5250 (11550)	12600 (27750)	7700 (16950)	*18550 (40900)	14600 (32150)	*12350 (27200)	*12350 (27200)
-4.6 m (-15')		*9000 (19850)	6500 (14300)					*10800 (23800)	7900 (17400)	*15100 (33250)	14950 (32950)		

* Load is limited hydraulic capacity rather than tipping.
 Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB215LC-2 (Japan source)

Conditions: Boom: 5700 mm (18'8"), Shoes: 700 mm (28")

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2925 mm (9'7") Bucket (SAE): 0.80m ³ (1.05cu.yd)													
7.6 m (25')		*2950 (6500)	*2950 (6500)			*3600 (3900)	*3600 (3900)						
6.1 m (20')		*2800 (6150)	*2800 (6150)			*5250 (11550)	*5250 (11550)						
4.6 m (15')		*2800 (6150)	*2800 (6150)	*4850 (10700)	3500 (7700)	*6050 (13300)	5150 (11350)	*6700 (14750)	*6700 (14750)				
3.0 m (10')		*2950 (6500)	2800 (6150)	5300 (11650)	3400 (7500)	*7250 (15950)	4900 (10800)	*9300 (20500)	7750 (17050)	*13700 (30200)	*13700 (30200)		
1.5 m (5')		*3250 (7150)	2700 (5950)	5200 (11450)	3250 (7150)	7450 (16400)	4650 (10250)	*11850 (26100)	7250 (15950)	*7350 (16200)	*7350 (16200)		
0 m (0')		*3750 (8250)	2750 (6050)	5100 (11250)	3200 (7050)	7250 (15950)	4500 (9900)	11650 (25650)	6900 (15200)	*5500 (12100)	*5500 (12100)		
-1.5 m (-5')		*4700 (10350)	3000 (6600)	5050 (11100)	3150 (6950)	7100 (15650)	4400 (9700)	11500 (25350)	6750 (14850)	*9650 (21250)	*9650 (21250)	*5300 (11650)	*5300 (11650)
-3.0 m (-10')		5750 (12650)	3600 (7900)			7150 (15750)	4400 (9700)	11550 (25450)	6800 (15000)	*16650 (36700)	13550 (29850)	*9950 (21900)	*9950 (21900)
-4.6 m (-15')		8350 (18400)	5100 (11250)					*11000 (24250)	7000 (15400)	*15700 (34600)	13900 (30600)		
Arm length 2925 mm (9'7") Without bucket													
7.6 m (25')		*4100 (9000)	*4100 (9000)										
6.1 m (20')		*3850 (8450)	*3850 (8450)			*6550 (14450)	5800 (12750)						
4.6 m (15')		*3850 (8450)	*3850 (8450)	*5250 (11550)	4050 (8900)	*7250 (15950)	5650 (12450)	*8050 (17750)	*8050 (17750)				
3.0 m (10')		*3950 (8700)	3550 (7800)	5900 (13000)	4000 (8800)	8250 (18150)	5450 (12000)	*10400 (22900)	8200 (18050)	*12850 (28300)	*12850 (28300)		
1.5 m (5')		*4250 (9350)	3400 (7500)	5800 (12750)	3900 (8600)	8000 (17600)	5250 (11550)	12550 (27650)	7750 (17050)				
0 m (0')		*4750 (10450)	3500 (7700)	5700 (12550)	3800 (8350)	7800 (17200)	5100 (11200)	12200 (26900)	7500 (16500)	*7500 (16500)	*7500 (16500)		
-1.5 m (-5')		5650 (12450)	3750 (8250)	5650 (12450)	3800 (8350)	7750 (17050)	5000 (11000)	12100 (26650)	7400 (16300)	*12000 (26450)	*12000 (26450)		
-3.0 m (-10')		6750 (14850)	4450 (9800)			7800 (17200)	5050 (11100)	12200 (26900)	7450 (16400)	*18500 (40750)	14150 (11200)		
-4.6 m (-15')		*9000 (19850)	6300 (13850)					*10750 (23700)	7650 (16850)	*15050 (33150)	14500 (31950)		

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB215LC-2 (UK source)

Conditions: One-piece boom: 5700 mm, Without bucket, Shoes: 700 mm

unit: kg

B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2900 mm													
7.6 m		*4100	*4100										
6.1 m		*3850	*3850			*6550	5800						
4.6 m		*3850	*3850	*5250	4050	*7250	5650	*8050	*8050				
3.0 m		*3950	3550	5900	4000	8250	5450	*10400	8200	*12850	*12850		
1.5 m		*4250	3400	5800	3900	8000	5250	12550	7750				
0 m		*4750	3500	5700	3800	7800	5100	12200	7500	*7500	*7500		
-1.5 m		5650	3750	5650	3800	7750	5000	12100	7400	*12000	*12000		
-3.0 m		6750	4450			7800	5050	12200	7450	*18500	14150		
-4.6 m		*9000	6300					*10750	7650	*15050	14500		

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No.J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB335LC-1 (Japan source)Conditions: Boom: 6470 mm Bucket: 1.4 m³

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm Shoes: 700 mm													
7.5 m		*5300	*5300			*6850	6150						
6.0 m		*5250	4550			*7250	6100						
4.5 m		*5400	3950	6850	4200	*7800	5850	*9200	8550				
3.0 m		*5700	3600	6700	4050	*8650	5550	*10650	8000	*15000	12650		
1.5 m		5900	3500	6550	3900	8800	5300	*12000	7550	*16700	11650		
0 m		6000	3550	6400	3800	8550	5100	12250	7200	*17500	11100		
-1.5 m		6450	3800	6350	3750	8450	4950	12050	7000	*17000	11000	*9600	*9600
-3.0 m		7400	4400			8450	5000	*11700	7000	*15500	11100	*18000	*18000
-4.5 m		*7550	5700					*9750	7200	*12850	11400	*16600	*16600
-6.0 m		*6300	*6300							*8150	*8150		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No.J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB365LC-1 (Japan source)Conditions: Boom: 6470 mm Bucket: 1.4 m³

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm Shoes: 600 mm													
7.5 m		*4900	*4900			*6400	6250						
6.0 m		*4800	4500			*6750	6150						
4.5 m		*4950	3900	*6550	4150	*7300	5950	*8700	*8700				
3.0 m		*5300	3550	6750	4000	*8100	5600	*10100	8250	*14400	13200		
1.5 m		*5850	3400	6600	3850	*8750	5350	*11400	7750	*16100	12150		
0 m		6050	3450	6450	3700	8750	5100	*12000	7350	*16900	11600		
-1.5 m		6500	3750	6400	3650	8600	5000	*11950	7200	*16350	11450	*9050	*9060
-3.0 m		*7150	4350			*8350	5000	*11150	7150	*14900	11550	*17300	*17300
-4.5 m		*6950	5750					*9150	7350	*12250	11750	*15900	*15900
-6.0 m		*5700	*5700							*7550	*7550		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No.J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB365LC-3 (Japan source)

Conditions: Boom: 6500 mm (21'4") Without bucket

unit: kg (lb)

B	A	MAX		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')		1.5 m (5')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 3185 mm (10'5") Shoes: 800 mm (31.5")													
7.6 m (25')		*7250 (15950)	*7250 (15950)										
6.1 m (20')		*7050 (15550)	6440 (14200)			*8890 (19600)	7600 (16750)						
4.6 m (15')		*7100 (15650)	5750 (12650)			*9370 (20650)	7430 (16350)	*10740 (23650)	10260 (22600)				
3.0 m (10')		*7380 (16250)	5390 (11850)	8240 (18150)	5570 (12250)	*10030 (22100)	7200 (15850)	*12090 (26650)	9790 (21550)	*16210 (35700)	14630 (32250)		
1.5 m (5')		7820 (17200)	5260 (11600)	8120 (17900)	5460 (12000)	10510 (13150)	6980 (15350)	*13220 (29150)	9370 (20650)	*18180 (40050)	13820 (30450)		
0 m (0')		7990 (17600)	5360 (11800)	8040 (17700)	5390 (11850)	10330 (22750)	6810 (15000)	*13740 (30300)	9100 (20050)	*18550 (40900)	13460 (29650)		
-1.5 m (-5')		8570 (18900)	5710 (12550)			10240 (22550)	6730 (14800)	*13480 (29700)	8980 (19800)	*17720 (39050)	13380 (29500)	*13710 (30200)	*13710 (30200)
-3.0 m (-10')		*8870 (19550)	6490 (14300)			*9440 (20800)	6780 (14950)	*12300 (27100)	9010 (19850)	*15850 (34950)	13490 (29700)	*20540 (45250)	*20540 (45250)
-4.6 m (-15')		*8350 (18400)	8250 (18150)					*9590 (21100)	9210 (20300)	*12560 (27650)	*12560 (27650)	*15670 (34550)	*15670 (34550)
Arm length 3185 mm (10'5") Shoes: 850 mm (33.5")													
7.6 m (25')		*7250 (15950)	*7250 (15950)										
6.1 m (20')		*7050 (15550)	6470 (14250)			*8890 (19600)	7630 (16800)						
4.6 m (15')		*7100 (15650)	5770 (12700)			*9370 (20650)	7460 (16350)	*10740 (23650)	10300 (22700)				
3.0 m (10')		*7380 (16250)	5410 (11900)	8280 (18250)	5590 (12300)	*10030 (22100)	7230 (15900)	*12090 (26650)	9830 (21650)	*16210 (35700)	14690 (32350)		
1.5 m (5')		7850 (17200)	5290 (11650)	8160 (17950)	5490 (12100)	10560 (13250)	7010 (15450)	*13220 (29150)	9410 (20750)	*18180 (40050)	13880 (30600)		
0 m (0')		8030 (17600)	5380 (11850)	8080 (17800)	5410 (11900)	10380 (22850)	6840 (15050)	*13740 (30300)	9140 (20150)	*18550 (40900)	13520 (29800)		
-1.5 m (-5')		8610 (18900)	5740 (12650)			10290 (22650)	6770 (14900)	*13480 (29700)	9020 (19850)	*17720 (39050)	13450 (29650)	*13710 (30200)	*13710 (30200)
-3.0 m (-10')		*8870 (19550)	6520 (14350)			*9440 (20800)	6810 (15000)	*12300 (27100)	9050 (19950)	*15850 (34950)	13550 (29850)	*20540 (45250)	*20540 (45250)
-4.6 m (-15')		*8350 (18400)	8290 (18250)					*9590 (21100)	9260 (20400)	*12560 (27650)	*12560 (27650)	*15670 (34550)	*15670 (34550)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB365LC-3 (Japan source)

Conditions: Boom: 6500 mm (21'4") Without bucket

unit: kg (lb)

B	A	MAX		9.1 m (30')		7.6 m (25')		6.1 m (20')		4.6 m (15')		3.0 m (10')	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4020 mm (13'2") Shoes: 800 mm (31.5")													
7.6m (25')		*5610 (12350)	*5610 (12350)			*7750 (17050)	*7750 (17050)						
6.1m (20')		*5460 (12000)	*5460 (12000)	*6550 (14450)	5740 (12650)	*7950 (17500)	7680 (16900)						
4.6m (15')		*5470 (12050)	4980 (10950)	*7870 (17350)	5660 (12450)	*8520 (18750)	7470 (16450)						
3.0m (10')		*5640 (12400)	4700 (10350)	8210 (18100)	5620 (12400)	*9280 (20450)	7190 (15850)	*11020 (24300)	9870 (21750)	*14340 (31600)	*14340 (31600)		
1.5m (5')		*5950 (13100)	4590 (10100)	8040 (17700)	5370 (11800)	*10010 (22050)	6900 (15200)	*12370 (27250)	9350 (20600)	*16890 (37200)	13900 (30650)		
0m (0')		*6480 (14250)	4640 (10200)	7910 (17400)	5240 (11550)	10200 (22450)	6670 (14700)	*13230 (29150)	8960 (19750)	*18090 (39850)	13270 (29250)	*8320 (18350)	*8320 (18350)
-1.5m (-5')		*7330 (16150)	4890 (10750)	7840 (17250)	5180 (11400)	10050 (22150)	6530 (14400)	*13400 (29550)	8740 (19250)	*17980 (39600)	13030 (28700)	*12420 (27350)	*12420 (27350)
-3.0m (-10')		*8040 (17700)	5410 (11900)			*10020 (22100)	6510 (14350)	*12760 (28100)	8700 (19150)	*16780 (37000)	13030 (28700)	*17840 (39300)	*17840 (39300)
-4.6m (-15')		*7850 (17300)	6480 (14250)			*8190 (18050)	6640 (14600)	*11040 (24300)	8810 (19400)	*14360 (31650)	13230 (29150)	*19190 (42300)	*19190 (42300)
-6.1m (-20')		*6940 (15300)	*6940 (15300)					*7010 (15450)	*7010 (15450)	*9970 (21950)	*9970 (21950)	*12720 (28050)	*12720 (28050)
Arm length 4020 mm (13'2") Shoes: 850 mm (33.5")													
7.6m (25')		*5610 (12350)	*5610 (12350)			*7750 (17050)	*7750 (17050)						
6.1m (20')		*5460 (12000)	*5460 (12000)	*6550 (14450)	5770 (12700)	*7950 (17500)	7720 (17000)						
4.6m (15')		*5470 (12050)	5010 (11050)	*7870 (17350)	5690 (12550)	*8520 (18750)	7500 (16500)						
3.0m (10')		*5640 (12400)	4720 (10400)	*8220 (18100)	5550 (12200)	*9280 (20450)	7220 (15900)	*11020 (24300)	9910 (21850)	*14340 (31600)	*14340 (31600)		
1.5m (5')		*5950 (13100)	4610 (10150)	8080 (17800)	5400 (11900)	*10010 (22050)	6940 (15300)	*12370 (27250)	9390 (20700)	*16890 (37200)	13960 (30750)		
0m (0')		*6480 (14250)	4660 (10250)	7950 (17500)	5270 (11600)	10250 (22600)	6710 (14800)	*13230 (29150)	9000 (19800)	*18090 (39850)	13330 (29350)	*8320 (18350)	*8320 (18350)
-1.5m (-5')		*7330 (16150)	4910 (10800)	7880 (17350)	5200 (11450)	10100 (22250)	6570 (14450)	*13400 (29550)	8790 (19350)	*17980 (39600)	13090 (28850)	*12420 (27350)	*12420 (27350)
-3.0m (-10')		*8040 (17700)	5440 (12000)			*10020 (22100)	6540 (14400)	*12760 (28100)	8740 (19250)	*16780 (37000)	13090 (28850)	*17840 (39300)	*17840 (39300)
-4.6m (-15')		*7850 (17300)	6520 (14350)			*8190 (18050)	6670 (14700)	*11040 (24300)	8860 (19500)	*14360 (31650)	13290 (29300)	*19190 (42300)	*19190 (42300)
-6.1m (-20')		*6940 (15300)	*6940 (15300)					*7010 (15450)	*7010 (15450)	*9970 (21950)	*9970 (21950)	*12720 (28050)	*12720 (28050)

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB365LC-3 (UK source)

Conditions: Boom: 6500 mm, Without bucket, Shoes: 700 mm

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4.0 m													
6.0 m		*5470	5440	*7220	5870	*7960	7850						
4.5 m		*5490	4930	*7870	5770	*8560	7610						
3.0 m		*5660	4650	*8250	5610	*9340	7300	*11130	10030	*14560	*14560		
1.5 m		*5970	4540	8200	5440	*10080	7000	*12480	9470	*17080	14080		
0 m		*6490	4590	8040	5300	10390	6750	*13330	9060	*18230	13430	*8100	*8100
-1.5 m		7320	4830	7960	5230	10220	6600	*13500	8830	*18100	13180	*12160	*12160
-3.0 m		*7960	5330			*10130	6560	*12870	8780	*16900	13190	*17440	*17440
-4.5 m		*7780	6350			*8470	6690	*11210	8900	*14530	13400	*19380	*19380
-6.0 m		*6950	*6950					*7520	*7520	*10320	*10320	*13110	*13110
Arm length 3.2 m													
6.0 m		*6960	6240			*8760	7640						
4.5 m		*7030	5570	*7650	5640	*9270	7440	*10700	10320				
3.0 m		*7310	5220	8280	5530	*9950	7180	*12060	9800	*16280	14670		
1.5 m		7660	5090	8150	5410	*10530	6930	*13170	9330	*18170	13790		
0 m		7830	5180	8050	5320	10370	6740	*13660	9040	*18460	13420		
-1.5 m		8390	5520			10280	6660	*13400	8920	*17600	13360	*13300	*13300
-3.0 m		*8630	6270			*9470	6710	*12240	8950	*15750	13480	*20330	*20330
-4.5 m		*8140	7920					*9690	9160	*12560	*12560	*15600	*15600
-6.0 m													
Arm length 2.6 m													
6.0 m		*9390	6960			*9500	7590	*10450	*10450				
4.5 m		9140	6140			*9880	7420	*11530	10220	*14810	*14810		
3.0 m		8560	5730			*10440	7190	*12760	9730	*17560	14340		
1.5 m		8400	5600			10610	6980	*13640	9330				
0 m		8630	5730			10460	6840	*13820	9110	*18210	13520		
-1.5 m		*9240	6170			*10390	6810	*13200	9060	*16870	13570	*12670	*12670
-3.0 m		*8940	7180					*11560	9160	*14570	13750	*17260	*17260
-4.5 m		*7850	*7850							*10630	*10630		
-6.0 m													
Arm length 2.2 m													
6.0 m		*9870	7590					*10830	10510				
4.5 m		*9720	6590			*10110	7340	*11850	10090	*15470	15190		
3.0 m		9160	6100			*10590	7120	*12990	9600				
1.5 m		8970	5950			10560	6930	*13720	9230				
0 m		9250	6100			10430	6810	*13710	9050	*17640	13470		
-1.5 m		*9740	6640			*10070	6820	*12880	9040	*16140	13560		
-3.0 m		*9380	7910					*10940	9190	*13650	*13650	*15120	*15120
-4.5 m		*7880	*7880							*9210	*9210		
-6.0 m													

* Load is limited hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard No.J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HB365NLC-3 (UK source)

Conditions: Boom: 6500 mm, Without bucket, Shoes: 600 mm

unit: kg

B	A	MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 4.0 m													
	6.0 m	*5470	5020	*7220	5420	*7950	7280						
	4.5 m	*5490	4540	*7850	5320	*5330	7040						
	3.0 m	*5660	4270	*8230	5160	*9080	6730	*10830	9220	*14530	13870		
	1.5 m	*5970	4170	8130	4990	*9800	6420	*12140	8660	*17030	12750		
	0 m	*6490	5210	7980	4850	9790	6170	*12960	8250	*16820	11500	*8100	*8100
	-1.5 m	7260	4420	7900	4780	9630	5720	*12780	8030	*16240	11560	*12160	*12160
	-3.0 m	*7930	4880			*10100	5990	*12830	7970	*26840	11860	*17440	*17440
	-4.5 m	*7750	5810			*8430	6110	*11170	8090	*14470	12070	*19290	*19290
Arm length 3.2 m													
	6.0 m	*6930	5690			*8670	7000						
	4.5 m	*6990	5060	*7620	5120	*8940	6800	*10600	9440				
	3.0 m	*7270	4720	8150	5010	*9580	6530	*11630	8900	*16120	13220		
	1.5 m	7530	4600	8010	4890	*10150	6270	*12690	8430	*17970	12330		
	0 m	7700	4670	7920	4800	9690	6080	*13160	8120	*16880	11350		
	-1.5 m	8240	4980			9600	5700	*12570	8000	*15650	11590	*13270	*13270
	-3.0 m	*8500	5660			*9330	6040	*12080	8040	*15550	12010	*20050	*20050
	-4.5 m	*8000	7160					*9530	8260	*12370	12320	*15350	*15350
Arm length 2.6 m													
	6.0 m	*9390	6400			*9440	6980	*10390	9790				
	4.5 m	9040	5630			*9570	6810	*11460	9370	*13990	13400		
	3.0 m	8460	5240			*10110	6580	*12360	8870	*17450	12940		
	1.5 m	8300	5110			10230	6360	*13200	8470				
	0 m	8530	5220			9820	6220	*13370	8250	*16720	11520		
	-1.5 m	*9160	5620			9790	5880	*12440	8200	*15060	11870	*12660	*12660
	-3.0 m	*8860	6530					*11460	8300	*14440	12360	*17090	*17090
	-4.5 m	*7760	*7760							*10510	*10510		
Arm length 2.2 m													
	6.0 m	*9810	6980					*10770	9670				
	4.5 m	*9650	6040			*9800	6730	*11780	9240	*14610	13110		
	3.0 m	9060	5580			*10260	6510	*12590	8750				
	1.5 m	8870	5430			10180	6310	*13280	8380				
	0 m	9140	5560			9790	6200	*13270	8200	*16200	11480		
	-1.5 m	*9670	6050			*9490	5890	*12140	8180	*14420	11870		
	-3.0 m	*9300	7200					*10850	8340	*15350	12400	*14960	*14960
	-4.5 m	*7780	*7780							*9100	*9100		

* Load is limited hydraulic capacity rather than tipping.

Ratings are based on SAE Standard No.J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

SECTION **3C**

ATTACHMENTS

CONTENTS

Buckets & Rippers for Backhoe:

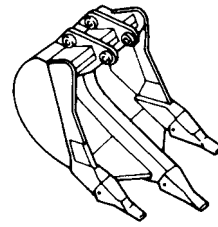
- Ripper Bucket 3C-2
- Trapezoidal Bucket 3C-2
- Slope Finishing Bucket 3C-2
- Ditch Cleaning Bucket 3C-2
- Single-shank Ripper 3C-2
- Clamshell Bucket 3C-2
- Coal Bucket and Chip Bucket 3C-3
- Chip Yard Bucket 3C-3

Attachments for General Construction:

- Telescopic Arm (Upper Arm Sliding Type) 3C-4
- Super Long Front 3C-5

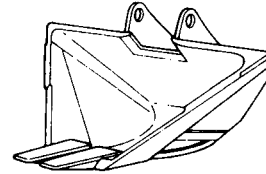
Ripper Bucket

Suitable for digging rock bed or hard clayey soil when normal buckets cannot penetrate deep enough. Loading is also possible.



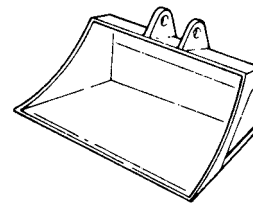
Trapezoidal Bucket

Performs digging and sloping simultaneously on a drainage or irrigation canal. Using this bucket will leave the digging profile shaped as a cross-section.



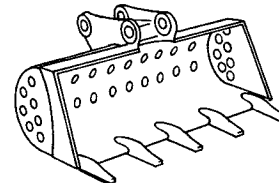
Slope Finishing Bucket

The wide bucket width and flat bottom make this bucket suitable for smoothing the slopes of irrigation canals, roads or river banks.



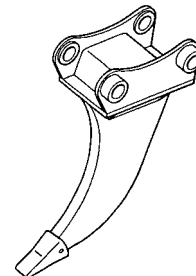
Ditch Cleaning Bucket

Most suitable for cleaning a river or dredging soft soil from the river bed. The bucket has small holes which allow the water to drain, retaining only solid objects of the ditch.



Single-shank Ripper

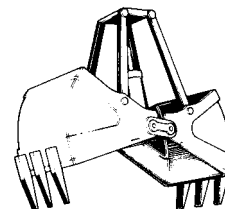
This ripper is used for site preparation prior to digging work, when it becomes necessary to remove rocks, pavement for other obstacles. Also effective for pulling out tree stumps.



Clamshell Bucket

This type of bucket is used for digging, even below ground level.

It can also be used for placing objects up high and to move bulk materials from one point to another.



Coal Bucket and Chip Bucket

An excavator with INBOARD MATERIAL HANDLING SPECS greatly improves the working efficiency, safety and working environment when handling inboard materials like coal or chip and, in addition, its introduction leads to labor-savings.

Coal bucket

Bucket capacity : 1.3 m³ (PC130, PC138US)

Chip bucket

Bucket capacity : 1.9 m³ (PC130, PC138US)



PC130 (FOR COAL HANDLING SPECS)



FOR CHIP HANDLING SPECS

Chip Yard Bucket

An excavator with CHIP YARD SPECS provides a large capacity bucket which increases its loading efficiency higher and chip-proof structure to protect chip intrusion from the hood and exterior covers around the engine.

Bucket capacity

PC350LC 6.0 m³

PC400 7.0 m³ (Loading shovel)



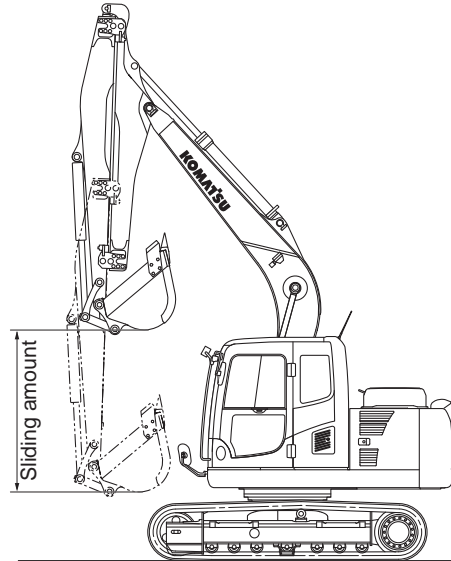
PC400

Telescopic Arm (Upper Arm Sliding Type)

- With the arm extended, the machine can dig to the same depth as machines three classes higher. Useful attachment for restricted job sites where a wide working range is needed. Also slope-finishing work can be done with ease.
- Sliding mechanism using rollers on the slide surfaces makes adjustment easy and prevents vertical and horizontal vibrations of the arm, minimizing the wear which shortens arm life.
- Thanks to the hydraulic sliding system, the arm telescopes speedily, providing high working efficiency.

Unit : mm (ft in)

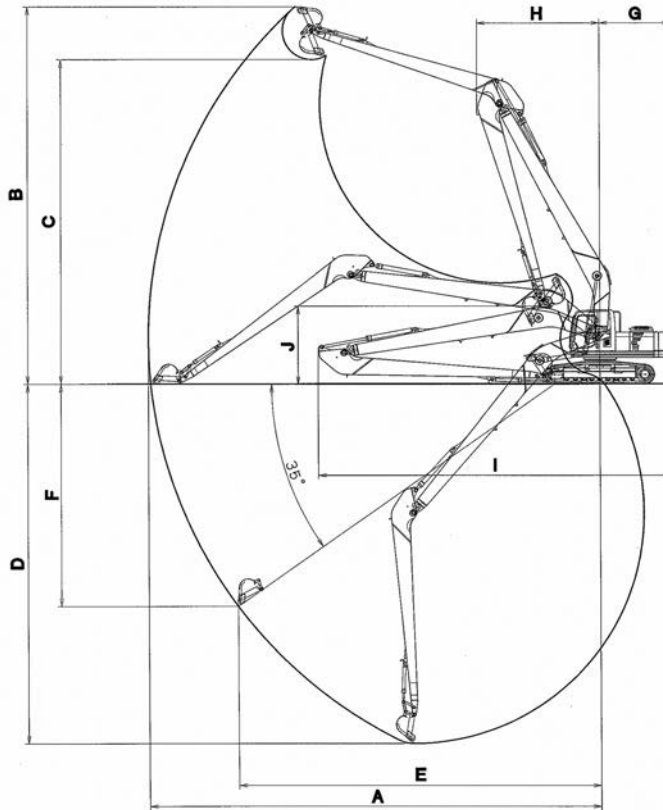
	Sliding amount
PC130	2100 (6'11")
PC200LC	2430 (8'0")
PC78US	1800 (5'11")
PC138US	2100 (6'11")
PC228USLC	2430 (8'0")



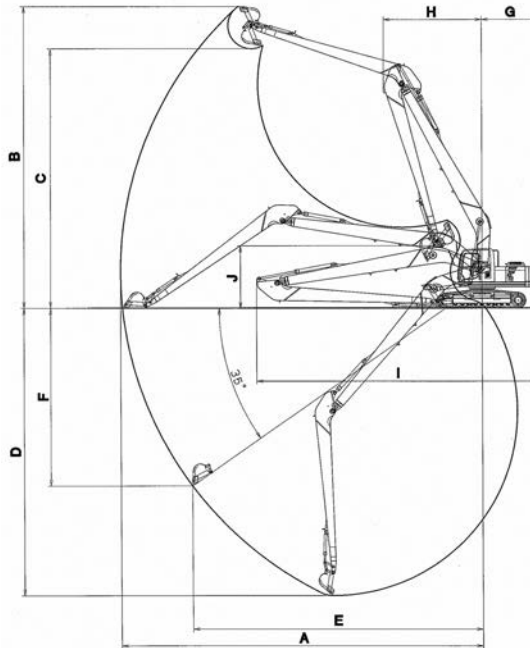
FVBH0484

Super Long Front

SUPER LONG FRONT attachment boasts a huge digging reach. An excavator with this attachment highly improves working efficiency in various works such as river conservation, lake dredging, slope-finishing and materials carrying where an extensively long reach is required.



Model		PC130	PC200	PC200LC	PC200LC
Item		12.3m (40') reach	15m (49') reach	15m (49') reach	18m (59') reach
Operating weight	kg (lb)	12,600 (27,780)	21,700 (47,840)	23,100 (50,930)	26,400 (58,200)
Max. bucket capacity (SAE heaped)	m ³ (cu.yd)	0.28 (0.37)	0.37 (0.48)	0.45 (0.59)	0.29 (0.38)
Bucket width (with side cutters)	mm (ft.in)	750 (2'6")	860 (2'10")	955 (3'2")	720 (2'4")
Standard shoe width	mm (in)	500 (20")	600 (24")	700 (28")	700 (28")
Ground pressure	kg/cm ² (PSI)	0.41 (5.8)	0.50 (7.1)	0.41 (5.8)	0.47 (6.7)
I Overall length	mm (ft.in)	9,920 (32'7")	12,510 (41'1")	12,510 (41'1")	14,360 (47'1")
J Overall height	mm (ft.in)	2,835 (9'4")	3,080 (10'1")	3,080 (10'1")	3,190 (10'6")
Boom length	m (ft.in)	6.9 (22'8")	8.6 (28'3")	8.6 (28'3")	10.3 (33'10")
Arm length	m (ft.in)	4.9 (16'1")	6.4 (21'0")	6.4 (21'0")	8.2 (26'11")
A Working range : Max. digging reach	mm (ft.in)	12,330 (40'5")	15,250 (50'0")	15,250 (50'0")	18,340 (60'2")
B Max. digging height	mm (ft.in)	11,640 (38'2")	13,730 (45'1")	13,730 (45'1")	15,380 (50'6")
C Max. dumping height	mm (ft.in)	9,600 (31'6")	11,520 (37'10")	11,520 (37'10")	13,225 (43'5")
D Max. digging depth	mm (ft.in)	9,190 (30'2")	11,530 (37'10")	11,530 (37'10")	14,610 (47'11")
E Digging reach at 35° angle	mm (ft.in)	9,850 (32'4")	12,130 (39'10")	12,190 (40'0")	14,730 (48'4")
F Digging depth at 35° angle	mm (ft.in)	5,900 (19'4")	7,350 (24'1")	7,260 (23'10")	9,030 (29'8")
G Tail swing radius	mm (ft.in)	2,190 (7'2")	2,940 (9'8")	2,940 (9'8")	2,940 (9'8")
H Min. swing radius	mm (ft.in)	2,875 (9'5")	4,000 (13'1")	4,000 (13'1")	4,980 (16'4")



Item		Model	PC210LC	PC210LC	PC220LC
			15m (49') reach	18m (59') reach	18m (59') reach
Operating weight	kg (lb)		24,300 (53,570)	26,450 (58,310)	26,950 (59,410)
Max. bucket capacity (SAE heaped)	m ³ (cu.yd)		0.55 (0.72)	0.35 (0.46)	0.45 (0.59)
Bucket width (with side cutters)	mm (ft.in)		1145 (3'9")	860 (2'10")	955 (3'2")
Standard shoe width	mm (in)		700 (28")	700 (28")	700 (28")
Ground pressure	kg/cm ² (PSI)		0.45 (6.4)	0.57 (8.1)	0.47 (6.7)
I Overall length	mm (ft.in)		12,510 (41'1")	14,510 (47'7")	14,430 (47'4")
J Overall height	mm (ft.in)		3,080 (10'1")	3,190 (10'6")	3,190 (10'6")
Boom length	m (ft.in)		8.6 (28'3")	10.3 (33'10")	10.3 (33'10")
Arm length	m (ft.in)		6.4 (21'0")	8.2 (26'11")	8.2 (26'11")
A Working range : Max. digging reach	mm (ft.in)		15,250 (50'0")	18,340 (60'2")	18,360 (60'3")
B Max. digging height	mm (ft.in)		13,730 (45'1")	15,380 (50'6")	15,120 (49'7")
C Max. dumping height	mm (ft.in)		11,520 (37'10")	13,225 (43'5")	12,980 (42'7")
D Max. digging depth	mm (ft.in)		11,530 (37'10")	14,610 (47'11")	14,645 (48'1")
E Digging reach at 35° angle	mm (ft.in)		12,190 (40'0")	14,730 (48'4")	14,895 (48'10")
F Digging depth at 35° angle	mm (ft.in)		7,260 (23'10")	9,030 (29'8")	8,810 (28'11")
G Tail swing radius	mm (ft.in)		2,940 (9'8")	3,090 (10'2")	2,940 (9'8")
H Min. swing radius	mm (ft.in)		4,000 (13'1")	4,980 (16'4")	4,980 (16'4")

Item		Model	PC300LC	PC400LC
			16.5m (54') reach	20m (65') reach
Operating weight	kg (lb)		35,600 (78,480)	49,400 (108,900)
Max. bucket capacity (SAE heaped)	m ³ (cu.yd)		0.69 (0.90)	0.8 (1.05)
Bucket width (with side cutters)	mm (ft.in)		930 (3'1")	1030 (3'5")
Standard shoe width	mm (in)		700 (28")	700 (28")
Ground pressure	kg/cm ² (PSI)		0.58 (8.3)	0.75 (10.7)
I Overall length	mm (ft.in)		13,930 (45'8")	16,150 (53'0")
J Overall height	mm (ft.in)		3,490 (11'5")	3,660 (12'0")
Boom length	m (ft.in)		9.2 (30'2")	11.1 (36'5")
Arm length	m (ft.in)		6.4 (21'0")	8.3 (27'3")
A Working range : Max. digging reach	mm (ft.in)		16,570 (54'4")	19,680 (64'7")
B Max. digging height	mm (ft.in)		12,740 (41'10")	14,990 (49'2")
C Max. dumping height	mm (ft.in)		9,930 (32'7")	12,200 (40'0")
D Max. digging depth	mm (ft.in)		12,720 (41'9")	14,800 (48'7")
E Digging reach at 35° angle	mm (ft.in)		13,250 (43'6")	15,770 (51'9")
F Digging depth at 35° angle	mm (ft.in)		7,890 (25'11")	9,520 (31'3")
G Tail swing radius	mm (ft.in)		3,600 (11'10")	3,795 (12'5")
H Min. swing radius	mm (ft.in)		6,130 (20'1")	6,790 (22'3")

SECTION **3D**

**HYDRAULIC
LOADING SHOVELS**

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Features

HYDRAULIC LOADING SHOVELS

Item		Model	PC400-8 PC400-8R	PC400-8*** PC400-8R***	PC400-7	PC400-7***
Source			Japan	Japan	Japan	Japan
Emissions			T3/S3A/-	T3/S3A/-	T2/S2	T2/S2
OPERATING WEIGHT*		kg (lb)	43440 (95,770)	44700 (98,550)	43100 (95,020)	44100 (97,200)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900	259 (347)/1850 246 (330)/1850	259 (347)/1850 246 (330)/1850
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)
PERFORMANCE:						
Swing speed		RPM	9.1	9.1	9.0	9.0
Max.travel speed		Hi Mi Lo km/h (MPH)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.4 (2.7) 3.0 (1.9)	5.5 (3.4) 4.4 (2.7) 3.0 (1.9)
DIMENSIONS:		See the page of Dimensions.				
ENGINE:			KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-3	KOMATSU SAA6D125E-3
Model		mm	6-125 × 150	6-125 × 150	6-125 × 150	6-125 × 150
No. of cylinders- bore × stroke		(in)	(4.92 × 5.91)	(4.92 × 5.91)	(4.92 × 5.91)	(4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (673)	11.04 (673)	11.04 (673)	11.04 (673)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump		ltr. (U.S. Gal)/min.	690 (182)	690 (182)	690 (182)	690 (182)
Max. oil flow		kg/cm ² (PSI)	355 (5050)	355 (5050)	355 (5050)	355 (5050)
Max. oil pressure						
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 0.83 (11.8)	600 (24)/ 0.85 (12.1)	600 (24)/ 0.83 (11.8)	600 (24)/ 0.85 (12.1)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S. Gal)	650 (1727)	650 (1727)	650 (172)	650 (172)
Hydraulic oil tank			248 (65.5)	248 (65.5)	248 (65.5)	248 (65.5)
MACHINE SPEC:						
Boom		mm (ft.in)	4000 (13'1")	4000 (13'1")	4000 (13'1")	4000 (13'1")
Arm		mm (ft.in)	2900 (9'6")	2900 (9'6")	2900 (9'6")	2900 (9'6")
Bucket (SAE)		m ³ (cu.yd)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)

Item		Model	PC400LC-8 PC400LC-8R	PC400LC-8*** PC400LC-8R***	PC400LC-7	PC400LC-7***
Source			Japan	Japan	Japan	Japan
Emissions			T3/S3A/-	T3/S3A/-	T2/S2	T2/S2
OPERATING WEIGHT*		kg (lb)	44840 (98,850)	45900 (101,190)	44300 (97,660)	45200 (99,650)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 270 (362)/1900 257 (345)/1900	270 (362)/1900 257 (345)/1900	259 (347)/1850 246 (330)/1850	259 (347)/1850 246 (330)/1850
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)
PERFORMANCE:						
Swing speed		RPM	9.1	9.1	9.0	9.0
Max.travel speed		Hi Mi Lo km/h (MPH)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.0 (2.5) 3.0 (1.9)	5.5 (3.4) 4.4 (2.7) 3.0 (1.9)	5.5 (3.4) 4.4 (2.7) 3.0 (1.9)
DIMENSIONS:		See the page of Dimensions.				
ENGINE:			KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-3	KOMATSU SAA6D125E-3
Model		mm	6-125 × 150	6-125 × 150	6-125 × 150	6-125 × 150
No. of cylinders- bore × stroke		(in)	(4.92 × 5.91)	(4.92 × 5.91)	(4.92 × 5.91)	(4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (673)	11.04 (673)	11.04 (673)	11.04 (673)
HYDRAULIC SYSTEM:			2 × Variable Piston	2 × Variable Piston	2 × Variable Piston	2 × Variable Piston
Hydraulic pump		ltr. (U.S. Gal)/min.	690 (182)	690 (182)	690 (182)	690 (182)
Max. oil flow		kg/cm ² (PSI)	355 (5050)	355 (5050)	355 (5050)	355 (5050)
Max. oil pressure						
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 0.68 (9.7)	700 (28)/ 0.70 (10.0)	700 (28)/ 0.68 (9.7)	600 (24)/ 0.69 (9.8)
CAPACITY (Refilled):						
Fuel tank		ltr. (U.S. Gal)	650 (1727)	650 (1727)	650 (172)	650 (172)
Hydraulic oil tank			248 (65.5)	248 (65.5)	248 (65.5)	248 (65.5)
MACHINE SPEC:						
Boom		mm (ft.in)	4000 (13'1")	4000 (13'1")	4000 (13'1")	4000 (13'1")
Arm		mm (ft.in)	2900 (9'6")	2900 (9'6")	2900 (9'6")	2900 (9'6")
Bucket (SAE)		m ³ (cu.yd)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)	2.6 (3.4)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

*** Variable gauge

T2/S2 : EPA Tier 2 and EU Stage 2

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tire 3 equivalent and EU Stage 3A equivalent

T4F/S4 : EPA Tire 4 Final and EU Stage 4

Features

HYDRAULIC LOADING SHOVELS

Item		Model	PC600-8E0 PC600-8R1	PC600LC-8E0 PC600LC-8R1	PC800-8E0 PC800-8R1	PC1250-8 PC1250-8R
Source			Japan	Japan	Japan	Japan
Emissions			T3/S3A/-	T3/S3A/-	T3/S3A/-	T3/S3A/-
OPERATING WEIGHT*		kg (lb)	63200 (139,330)	64200 (141,540)	77300 (170,420)	110900 (244,490)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	323 (433)/1800 320 (429)/1800 288 (368)/1800	323 (433)/1800 320 (429)/1800 288 (368)/1800	370 (496)/1800 363 (487)/1800 338 (454)/1800	514 (688)/1800 502 (672)/1800 463 (620)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	4.0 (5.2)	4.0 (5.2)	4.5, 5.1 (5.9) (6.7)	6.5 (8.5)
PERFORMANCE: Swing speed Max.travel speed		RPM km/h (MPH) Hi Mi Lo	8.3 4.9 (3.0) 3.0 (1.9)	8.3 4.9 (3.0) 3.0 (1.9)	6.8 4.2 (2.6) 2.8 (1.7)	6.8 4.2 (2.6) 2.8 (1.7)
DIMENSIONS:		See the page of Dimensions.				
ENGINE: Model No. of cylinders- bore × stroke Piston displacement		mm (in) ltr. (cu.in)	KOMATSU SAA6D140E-5 6-140 × 165 (5.51 × 6.50) 15.24 (930)	KOMATSU SAA6D140E-5 6-140 × 165 (5.51 × 6.50) 15.24 (930)	KOMATSU SAA6D140E-5 6-140 × 165 (5.51 × 6.50) 15.24 (930)	KOMATSU SAA6D170E-5 6-170 × 170 (6.69 × 6.69) 23.15 (1413)
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure		ltr. (U.S. Gal)/min. kg/cm ² (PSI)	2 × Variable Piston 820 (217) 300 (4270)	2 × Variable Piston 820 (217) 300 (4270)	2 × Variable Piston 988 (261) 320 (4550)	3 × Variable Piston 1588 (420) 320 (4550)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	600 (24)/ 1.14 (16.2)	600 (24)/ 1.08 (15.4)	610 (24)/ 1.28 (18.2)	700 (28)/ 1.45 (20.6)
CAPACITY (Refilled): Fuel tank Hydraulic oil tank		ltr. (U.S. Gal)	880 (232.5) 360 (95.0)	880 (232.5) 360 (95.0)	980 (259) 470 (124.2)	1360 (359) 670 (177)
MACHINE SPEC: Boom Arm Bucket (SAE)		mm (ft.in) mm (ft.in) m ³ (cu.yd)	4000 (13'1") 3000 (9'10") 4.0 (5.2)	4000 (13'1") 3000 (9'10") 4.0 (5.2)	4600 (15'1") 3400 (11'2") 4.5 (5.9)	5300 (17'5") 3800 (12'6") 6.5 (8.5)

Item		Model	PC1250-7	PC2000-8	PC3000-6 Diesel	PC3000-6 Diesel
Source			Japan	Japan	Japan, Germany	Japan, Germany
Emissions			T2/S2	T2/S2	—	T2/S2
OPERATING WEIGHT*		kg (lb)	110000 (242,510)	195000 (429,900)	250000 (551,300)	250000 (551,300)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	485 (651)/1800	728 (976)/1800 713 (956)/1800 679 (910)/1800	940 (1260)/1800 895 (1200)/1800	940 (1260)/1800 895 (1200)/1800
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	6.5 (8.5)	11 (14.4)	12.0 ~ 16.0 (15.7) (21.0)	12.0 ~ 16.0 (15.7) (21.0)
PERFORMANCE: Swing speed Max.travel speed		RPM km/h (MPH) Hi Mi Lo	5.5 3.2 (2.0) 2.1 (1.3)	4.8 2.7 (1.7)	4.6 2.4 (1.5)	4.6 2.4 (1.5)
DIMENSIONS:		See the page of Dimensions.				
ENGINE: Model No. of cylinders- bore × stroke Piston displacement		mm (in) ltr. (cu.in)	KOMATSU SAA6D170E-3 6-170 × 170 (6.69 × 6.69) 23.15 (1413)	KOMATSU SAA12V140E-3 12-140 × 165 (5.51 × 6.50) 30.48 (1860)	KOMATSU SSA12V159 12-159 × 159 (6.26 × 6.26) 37.5 (2288)	KOMATSU SDA12V159E-2 12-159 × 159 (6.26 × 6.26) 37.5 (2288)
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure		ltr. (U.S. Gal)/min. kg/cm ² (PSI)	3 × Variable Piston 1588 (420) 320 (4550)	2 × Variable Piston 2317 (612) 300 (4270)	3 × Variable Piston 2730 (721) 316 (4495)	3 × Variable Piston 2730 (721) 316 (4495)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	700 (28)/ 1.44 (20.1)	810 (32)/ 1.90 (27.0)	800(31.4)/ 2.34 (33.3)	800(31.4)/ 2.34 (33.3)
CAPACITY (Refilled): Fuel tank Hydraulic oil tank		ltr. (U.S. Gal)	1360 (359) 670 (177)	3400 (898) 1300 (344)	4500 (1190) 2670 (705)	4500 (1190) 2900 (765)
MACHINE SPEC: Boom Arm Bucket (SAE)		mm (ft.in) mm (ft.in) m ³ (cu.yd)	5300 (17'5") 3800 (12'6") 6.5 (8.5)	5950 (19'6") 4450 (14'7") 11 (14.4)	6000 (19'8") 4300 (14'1) 16.0 (21.0)	6000 (19'8") 4300 (14'1) 16.0 (21.0)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

T2/S2 : EPA Tier 2 and EU Stage 2

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tire 3 equivalent and EU Stage 3A equivalent

T4F/S4 : EPA Tire 4 Final and EU Stage 4

Specifications

HYDRAULIC LOADING SHOVELS

Item		Model	PC3000E-6 Electric Drive	PC4000-11 Diesel	PC4000-6 Diesel	PC4000E-6 Electric Drive
Source			Japan, Germany	Japan, Germany	Japan, Germany	Japan, Germany
Emissions			—	T4F/S4	T2/S2	—
OPERATING WEIGHT*		kg (lb)	251200 (553,200)	398000 (877,430)	388000 (855,500)	379300 (836,200)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	900 (1206)	1400 (1875)/1800 1324 (1775)/1800	1400 (1875)/1800 1324 (1775)/1800	1350 (1810)
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	12.0 ~ 16.0 (15.7) (21.0)	19.0 ~ 24.0 (25.0) (31.5)	19.0A 24.0 (25.0) (31.5)	19.0 ~ 24.0 (25.0) (31.5)
PERFORMANCE: Swing speed Max.travel speed		RPM km/h (MPH)	4.6 2.4 (1.5)	4.0 2.1 (1.3)	4.0 2.1 (1.3)	4.0 2.1 (1.3)
DIMENSIONS:		See the page of Dimensions.				
ENGINE: Model No. of cylinders- bore × stroke Piston displacement		mm (in) ltr. (cu.in)	Siemens 1La452	KOMATSU SDA16V160E-3 16-159 × 190 (6.26 × 7.48) 60.2 (3673)	KOMATSU SDA16V160E-2 16-159 × 190 (6.26 × 7.48) 60.2 (3673)	ABB (6.6kV) AMA500L4A
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure		ltr. (U.S. Gal)/min. kg/cm ² (PSI)	3 × Variable Piston 2730 (721) 316 (4495)	4 × Variable Piston 4140 (1094) 316 (4495)	4 × Variable Piston 4140 (1094) 316 (4495)	4 × Variable Piston 4140 (1094) 316 (4495)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	800(31.4)/ 2.35 (33.4)	1200 (47) 2.23 (31.6)	1200 (47) 2.17 (30.9)	2.12 (30.1)
CAPACITY (Refilled): Fuel tank Hydraulic oil tank		ltr. (U.S. Gal)	— 2900 (765)	6910 (1826) 3900 (1030)	6400 (1690) 3900 (1030)	6400 (1690) 3900 (1030)
MACHINE SPEC: Boom Arm Bucket (SAE)		mm (ft.in) mm (ft.in) m ³ (cu.yd)	6000 (19'8") 4300 (14'1) 16.0 (21.0)	7150 (23'6") 4900 (16'1) 22.0 (29.0)	7150 (23'6") 4900 (16'1) 22.0 (29.0)	7150 (23'6") 4900 (16'1) 22.0 (29.0)

Item		Model	PC5500-6 Diesel	PC5500E-6 Electric Drive	PC7000-6 Diesel	PC7000E-6 Electric Drive
Source			Germany	Germany	Germany	Germany
Emissions			T2/S2	—	T2/S2	—
OPERATING WEIGHT*		kg (lb)	533000 (1,175,300)	526400 (1,166,000)	676000 (1,490,600)	668940 (1,475,000)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	1880 (2520)/1800 1825 (2446)/1800	1800 (2412)	2500 (3350)/1800	2400 (3217)
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	21.0 ~ 29.0 (27.5) (38.0)	21.0 ~ 29.0 (27.5) (38.0)	36 (47.0)	36 (47.0)
PERFORMANCE: Swing speed Max.travel speed		RPM km/h (MPH)	3.1 2.1 (1.3)	3.1 2.1 (1.3)	3.1 2.5 (1.55)	3.1 2.5 (1.55)
DIMENSIONS:		See the page of Dimensions.				
ENGINE: Model No. of cylinders- bore × stroke Piston displacement		mm (in) ltr. (cu.in)	KOMATSU 2 × SDA12V159E-2 12-159 × 159 (6.26 × 6.26) 2 × 37.5 (2288)	ABB (6.6kV) 2 × AHA450L4A	KOMATSU 2 × SDA16V159E-2 16-159 × 159 (6.26 × 6.26) 2 × 50 (3051)	Siemens (7.2 kV) 2 × 1LA4 454 -4AN90
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure		ltr. (U.S. Gal)/min. kg/cm ² (PSI)	6 × Variable Piston 4200 (1110) 316 (4495)	6 × Variable Piston 4200 (1110) 316 (4495)	8 × Variable Piston 6210 (1640) 316 (4495)	8 × Variable Piston 6210 (1640) 316 (4495)
Track shoe width/ ground pressure		mm (in)/ kg/cm ² (PSI)	1350 (53) 2.40 (34.0)	1350 (53) 2.37 (33.7)	1500 (59) 2.63 (37.4)	1500 (59)
CAPACITY (Refilled): Fuel tank Hydraulic oil tank		ltr. (U.S. Gal)	10355 (2736) 3715 (982)	— 3715 (982)	13033 (1255) 4750 (1255)	— 4750 (1255)
MACHINE SPEC: Boom Arm Bucket (SAE)		mm (ft.in) mm (ft.in) m ³ (cu.yd)	7600 (24'11") 5600 (18'4) 29.0 (38.0)	7600 (24'11") 5600 (18'4) 29.0 (38.0)	8000 (26'3") 5500 (18'1") 36.0 (47.0)	8000 (26'3") 5500 (18'1") 36.0 (47.0)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80 kg (180 lb) and, indicated implement, shoes and upper attachment.

T2/S2 : EPA Tier 2 and EU Stage 2
T3/S3A : EPA Tier 3 and EU Stage 3A
T3e/S3Ae : EPA Tire 3 equivalent and EU Stage 3A equivalent
T4F/S4 : EPA Tire 4 Final and EU Stage 4

Specifications

HYDRAULIC LOADING SHOVELS

Item		Model	PC8000-6 Diesel	PC8000E-6 Electric Drive
Source			Germany	Germany
Emissions			T2/S2	—
OPERATING WEIGHT*	kg (lb)		740000 (1,631,700)	725550 (1,599,400)
HORSEPOWER	SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	3000 (4021)/1800 2882 (3863)/1800	2900 (3887)
BUCKET CAPACITY RANGE (SAE)	m ³ (cu.yd)		28.0 ~ 42.0 (36.6) (55.0)	28.0 ~ 42.0 (36.6) (55.0)
PERFORMANCE: Swing speed Max.travel speed	Hi Mi Lo	RPM km/h (MPH)	2.7 2.4 (1.5)	2.7 2.4 (1.5)
DIMENSIONS:		See the page of Dimensions.		
ENGINE: Model No. of cylinders- bore × stroke Piston displacement	mm (in) ltr. (cu.in)		KOMATSU 2 × SDA16V160E-2 16-159 × 190 (6.26 × 7.48) 2 × 60.2 (3673)	ABB (6.6kV) 2 × AMA500L4A
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure	ltr. (U.S. Gal)/min. kg/cm ² (PSI)		8 × Variable Piston 8280 (2188) 316 (4495)	8 × Variable Piston 8280 (2188) 316 (4495)
Track shoe width/ ground pressure	mm (in)/ kg/cm ² (PSI)		1500 (59) 2.73 (38.8)	1500 (59) 2.68 (38.1)
CAPACITY (Refilled): Fuel tank Hydraulic oil tank	ltr. (U.S. Gal)		13925 (3680) 7750 (2050)	13925 (3680) 7750 (2050)
MACHINE SPEC: Boom Arm Bucket (SAE)	mm (ft.in) mm (ft.in) m ³ (cu.yd)		8150 (26'9") 5750 (18'10") 42.0 (55.0)	8150 (26'9") 5750 (18'10") 42.0 (55.0)

* Operating weight includes coolant, lubricants, full fuel tank, operator 80 kg (180 lb) and, indicated implement, shoes and upper attachment.

T2/S2 : EPA Tier 2 and EU Stage 2

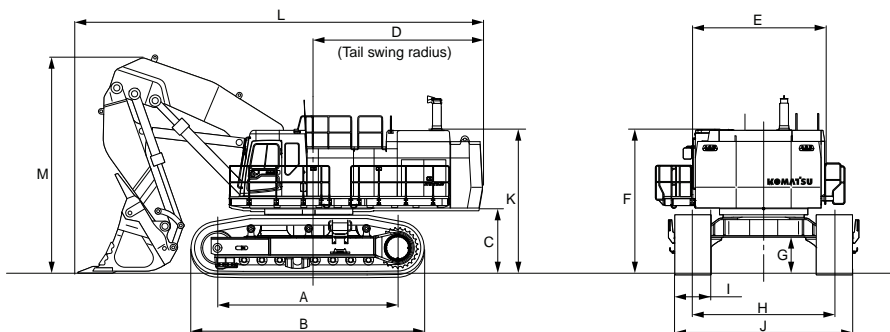
T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tire 3 equivalent and EU Stage 3A equivalent

T4F/S4 : EPA Tire 4 Final and EU Stage 4

Dimensions

HYDRAULIC LOADING SHOVELS



FVBH0104

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (ft.in)	J mm (ft.in)	K mm (ft.in)	L mm (ft.in)	M mm (ft.in)
PC400-8 PC400-8R	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (12'0")	3090 (10'2")	3285 (10'9")	555 (1'10")	2740 (9')	600 (24")	3340 (11')	2920 (9'7")	8455 (27'9")	4400 (14'5")
PC400-8*** PC400-8R***							685 (2'3")	2890 (9'6")		3490 (11'5")			
PC400LC-8	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (12'0")	3090 (10'2")	3285 (10'9")	550 (1'10")	2740 (9')	700 (28")	3440 (11'3")	2920 (9'7")	8455 (27'9")	4400 (14'5")
PC400LC-8***							685 (2'3")	2890 (9'6")		3590 (11'9")			
PC400-7	4020 (13'2")	5055 (16'7")	1320 (4'4")	3645 (12'0")	2995 (9'10")	3265 (10'9")	555 (1'10")	2740 (9')	600 (24")	3340 (11')	2715 (8'11")	8455 (27'9")	4400 (14'5")
PC400-7***							685 (2'3")	2890 (9'6")		3490 (11'5")			
PC400LC-7	4350 (14'3")	5385 (17'8")	1320 (4'4")	3645 (12'0")	2995 (9'10")	3265 (10'9")	550 (1'10")	2740 (9')	700 (28")	3440 (11'3")	2715 (8'11")	8455 (27'9")	4400 (14'5")
PC400LC-7***							685 (2'3")	2890 (9'6")		3590 (11'9")			
PC600-8E0 PC600-8R1	4250 (13'11")	5360 (17'7")	1365 (4'6")	3950 (13'0")	3170 (10'5")	3290 (10'9")	780 (2'7")	3300 (10'10")	600 (24")	3900 (12'10")	3435* (11'3")	8965 (29'5")	5530 (18'2")
PC600LC-8E0 PC600LC-8R1	4600 (15'1")	5710 (18'9")								3190** (10'6")			
PC800-8E0 PC800-8R1	4500 (14'9")	5810 (19'1")	1560 (5'1")	4400 (14'5")	3195 (10'6")	3570 (11'9")	840 (2'9")	3500 (11'6")	610 (24")	4110 (13'6")	3670 (12')	10075 (33'1")	5790 (19'0")
PC1250-7	4995 (16'5")	6425 (21'1")	1790 (5'10")	4810 (15'9")	3470 (11'5")	4120 (13'6")	990 (3'3")	3900 (12'10")	700 (28")	4600 (15'1")	3925 (12'11")	10940 (35'11")	6200 (20'4")
PC1250-8 PC1250-8R	4995 (16'5")	6425 (21'1")	1790 (5'10")	4870 (16'0")	3470 (11'5")	4120 (13'6")	990 (3'3")	3900 (12'10")	700 (28")	4600 (15'1")	4075 (13'4")	10940 (35'11")	6200 (20'4")
PC2000-8	5780 (19')	7445 (24'5")	2095 (6'10")	5980 (19'7")	7490 (24'7")	7030 (23'1")	825 (2'8")	4600 (15'1")	810 (32")	5410 (17'9")	5970 (19'7")	13075 (42'11")	8180 (26'10")

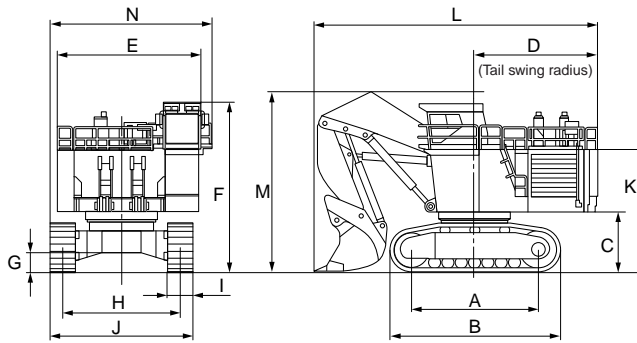
* Top of exhaust pipe

** When retracted

*** Variable gauge

Dimensions

HYDRAULIC LOADING SHOVELS

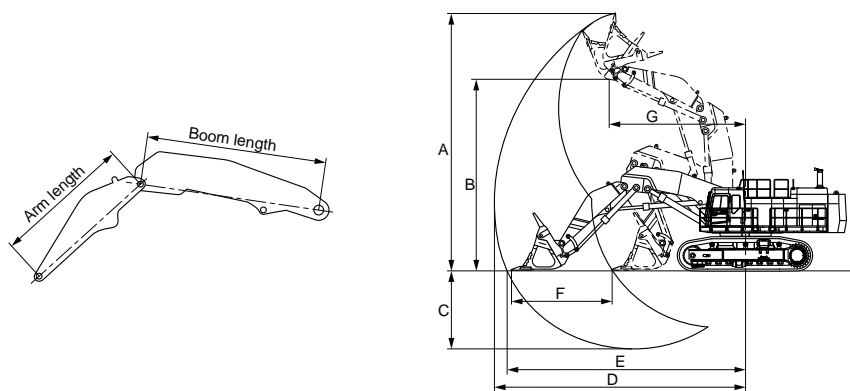


FVBH0108

	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (ft.in)	J mm (ft.in)	K mm (ft.in)	L mm (ft.in)	M mm (ft.in)	N mm (ft.in)
PC3000-6	6000 (19'8")	7914 (26'0")	2670 (8'9")	6402 (21'0")	6070 (19'11")	7479 (24'6")	935 (3'1")	4840 (14'8")	800 (31.5")	5640 (18'6")	5280 (17'4")	13700 (44'11")	8000 (26'3")	6800 (22'4")
PC3000E-6	6000 (19'8")	7914 (26'0")	2670 (8'9")	6402 (21'0")	6070 (19'11")	7479 (24'6")	935 (3'1")	4840 (14'8")	800 (31.5")	5640 (18'6")	5280 (17'4")	13700 (44'11")	8000 (26'3")	6800 (22'4")
PC4000-11	6700 (22'0")	8842 (29'0")	3020 (9'11")	6500 (21'4")	7537 (24'9")	8310 (27'3")	930 (3'1")	5550 (18'3")	1200 (47")	6750 (22'2")	6105 (20'0")	14300 (46'11")	9000 (29'6")	8700 (28'7")
PC4000-6	6700 (22'0")	8842 (29'0")	3017 (9'11")	6500 (21'4")	7400 (24'3")	8300 (27'3")	930 (3'1")	5550 (18'3")	1200 (47")	6750 (22'2")	6100 (20'0")	14300 (46'11")	9000 (29'6")	8300 (27'3")
PC4000E-6	6700 (22'0")	8842 (29'0")	3017 (9'11")	6500 (21'4")	7400 (24'3")	8300 (27'3")	930 (3'1")	5550 (18'3")	1200 (47")	6750 (22'2")	6100 (20'0")	14300 (46'11")	9000 (29'6")	8300 (27'3")
PC5500-6	7424 (24'4")	9720 (31'11")	3310 (10'10")	7550 (24'9")	7270 (23'10")	8610 (28'3")	995 (3'3")	6190 (20'4")	1350 (53")	7540 (24'9")	6410 (21'0")	16800 (55'1")	10500 (34'5")	8370 (27'6")
PC5500E-6	7424 (24'4")	9720 (31'11")	3310 (10'10")	7550 (24'9")	7270 (23'10")	8610 (28'3")	995 (3'3")	6190 (20'4")	1350 (53")	7540 (24'9")	6410 (21'0")	16800 (55'1")	10500 (34'5")	8370 (27'6")
PC7000-6	7875 (25'10")	10510 (34'6")	3437 (11'3")	7850 (25'9")	8270 (27'2")	9000 (29'6")	1065 (3'6")	6550 (21'6")	1500 (59")	8050 (26'5")	6867 (22'6")	18000 (59'1")	11000 (36'1")	9620 (31'7")
PC7000E-6	7875 (25'10")	10510 (34'6")	3437 (11'3")	7850 (25'9")	8270 (27'2")	9000 (29'6")	1065 (3'6")	6550 (21'6")	1500 (59")	8050 (26'5")	6867 (22'6")	18000 (59'1")	11000 (36'1")	9620 (31'7")
PC8000-6	8100 (26'7")	10685 (35'1")	3640 (11'4")	8720 (28'7")	8300 (27'3")	9653 (31'8")	1065 (3'6")	6830 (22'5")	1500 (59")	8330 (27'4")	7180 (23'7")	18650 (61'2")	11000 (36'1")	9850 (32'4")
PC8000E-6	8100 (26'7")	10685 (35'1")	3640 (11'4")	8720 (28'7")	8300 (27'3")	9653 (31'8")	1065 (3'6")	6830 (22'5")	1500 (59")	8330 (27'4")	7180 (23'7")	18650 (61'2")	11000 (36'1")	9850 (32'4")

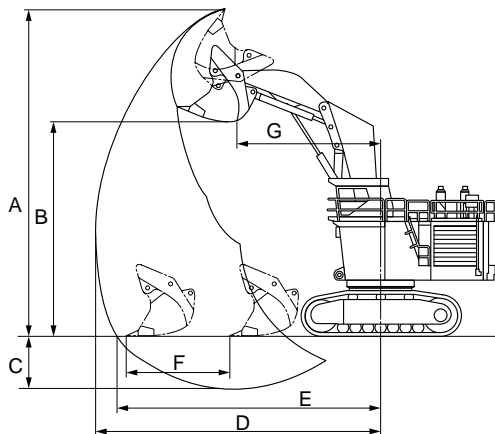
Working Ranges and Digging Force

HYDRAULIC LOADING SHOVELS



FVBH0105

	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Breakout force kg (lb/kN)	Arm crowd force kg (lb/kN)
PC400-7 PC400-8 PC400-8R PC400LC-7 PC400LC-8 PC400LC-8R	4.0 (13'1")	2.9 (9'6")	10190 (33'5")	7190 (23'7")	3045 (10')	8660 (28'5")	8375 (27'6")	3430 (11'3")	3805 (12'6")	27500 (60,630/270)	29100 (64,150/285)
PC600-8E0 PC600-8R1 PC600LC-8E0 PC600LC-8R1	4.0 (13'1")	3.0 (9'10")	10090 (33'1")	6705 (22'0")	3495 (11'6")	9190 (30'2")	8850 (29'0")	3275 (10'9")	4460 (14'8")	39400 (86,860/386)	34500 (76,060/338)
PC800-8E0 PC800-8R1	4.60 (15'1")	3.40 (11'2")	10800 (35'5")	7260 (23'10")	3605 (11'10")	10370 (34'0")	9990 (32'9")	3865 (12'8")	5870 (19'3")	48600 (107,140/477)	41200 (90,830/404)
PC1250-7 PC1250-8 PC1250-8R	5.3 (17'5")	3.8 (12'6")	12330 (40'5")	8700 (28'7")	3650 (12'0")	11400 (37'5")	10900 (35'9")	4480 (14'8")	6760 (22'2")	59000 (130,070/579)	62000 (136,690/608)
PC2000-8	5.95 (19'6")	4.45 (14'7")	14450 (47'5")	9665 (31'9")	3190 (10'6")	13170 (43'3")	11940 (39'2")	4850 (15'11")	7500 (24'7")	73500 (162,070/721)	77000 (169,800/755)

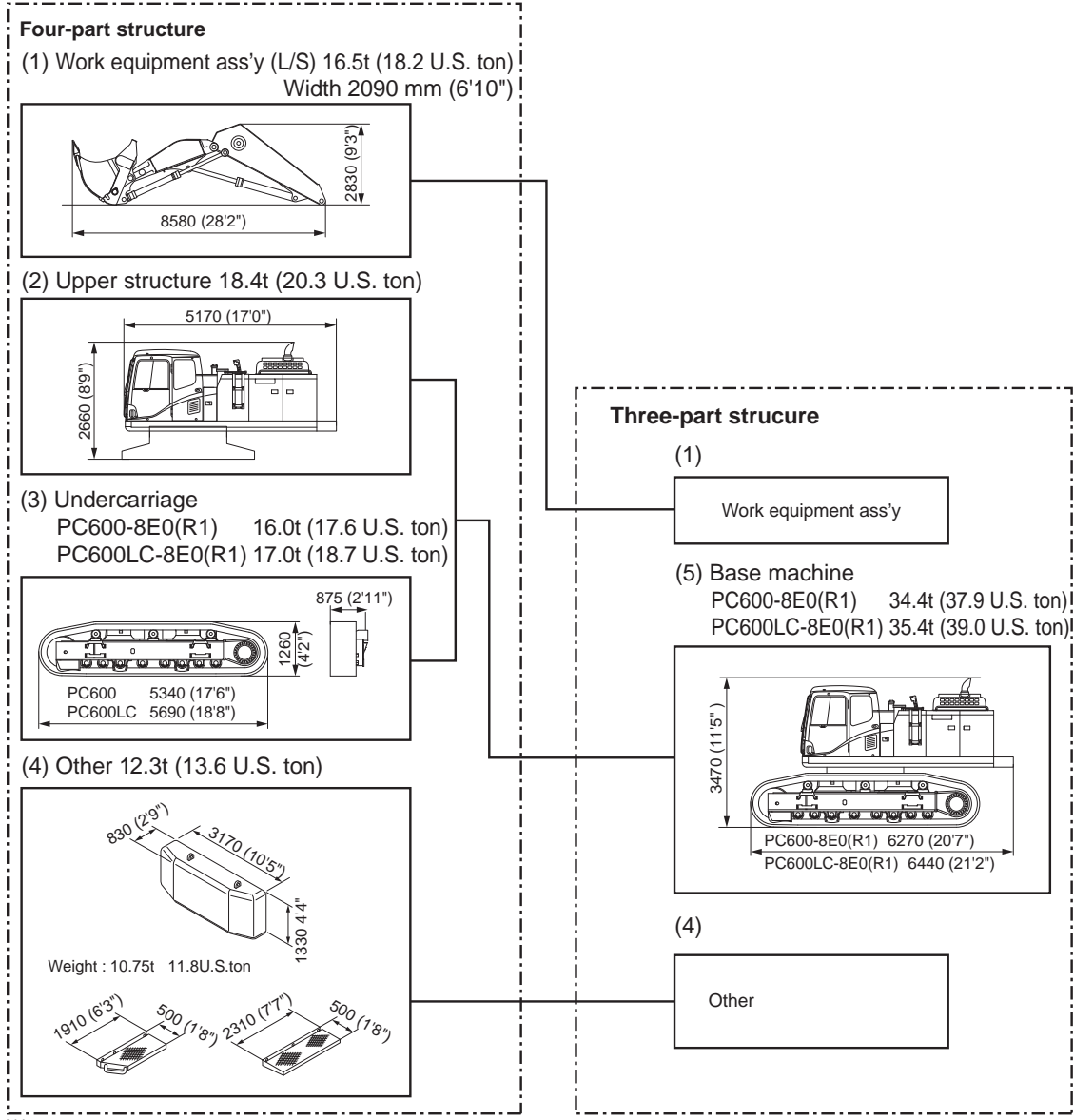


FVBH0109

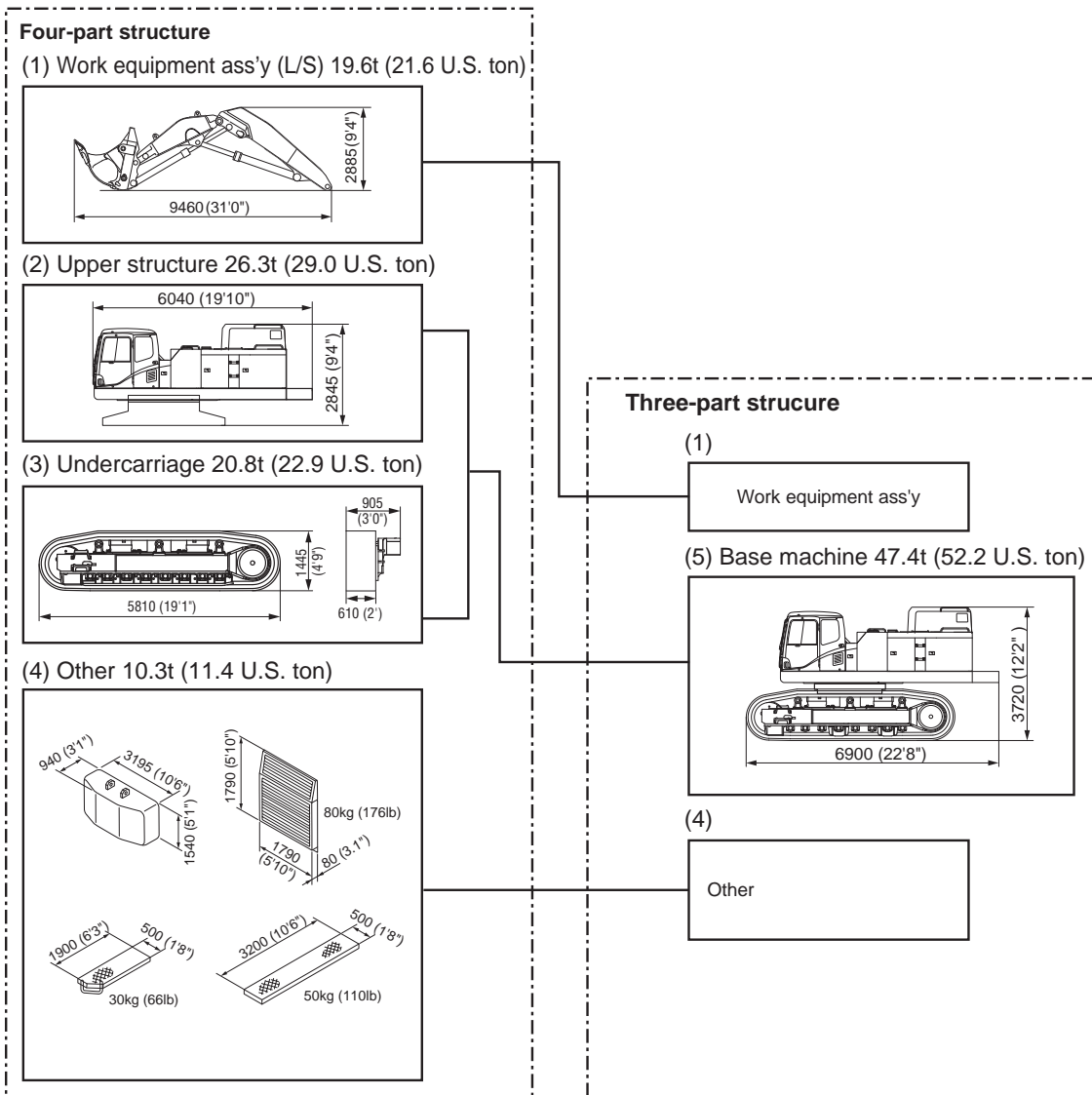
	Boom length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	Breakout digging force* ton (US ton/kN)	Arm crowd force* ton (US ton/kN)
PC3000-6 PC3000E-6	6.0 (19'8")	4.3 (14'1")	15100 (497")	10200 (33'6")	3300 (10'10")	13300 (43'8")	12680 (41'7")	4700 (15'5")	7460 (24'6")	108.7 (119.8/1066)	115.8 (127.7/1136)
PC4000-6 PC4000E-6	7.15 (23'6")	4.9 (16'1")	17400 (57'1")	12000 (39'4")	2900 (9'6")	15100 (49'7")	13920 (45'8")	5700 (18'8")	9000 (29'6")	137.5 (151.6/1349)	135.6 (149.9/1330)
PC4000-11	7.15 (23'6")	4.9 (16'1")	17400 (57'1")	12000 (39'4")	2900 (9'6")	15100 (49'7")	13920 (45'8")	5700 (18'8")	9000 (29'6")	137.5 (151.6/1349)	135.6 (149.9/1330)
PC5500-6 PC5500E-6	7.6 (24'11")	5.5 (18'4")	19500 (64'0")	13300 (43'8")	2700 (8'10")	16500 (54'2")	15000 (49'3")	5600 (18'4")	9210 (30'3")	190.7 (210/1870)	188.6 (207.9/1850)
PC7000-6 PC7000E-6	8.0 (26'3")	5.6 (18'1")	21000 (68'11")	14000 (45'11")	3000 (9'10")	17700 (58'1")	16015 (52'7")	4980 (16'4")	9500 (31'2")	212.7 (234.5/2086)	218.9 (241.3/2147)
PC8000-6 PC8000E-6	8.15 (26'9")	5.75 (18'10")	20900 (68'7")	13900 (45'7")	3000 (9'10")	17800 (58'5")	16370 (53'9")	5900 (19'4")	9960 (32'8")	237.7 (262/2331)	239.9 (264.5/2353)

* DIN rating

PC600-8E0/PC600LC-8E0, PC600-8R1/PC600LC-8R1



PC800-8E0, PC800-8R1



* KOMTRAX (optional) with an antenna when mounted.

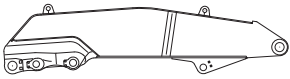
PC1250-8, PC1250-8R

Posture for Transportation
(length X height X width) (1/2)

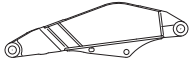
4 units for transportation (PC1250-8 STD spec.)

(1) Work equipment assembly 27.5t (30.3 U.S. ton)


Boom
7.1t 5650x1500x2000
(7.8USt) (18'6")x(4'11")x(6'7")
FVBH0190



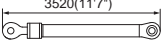
Arm
5.1t 4100x1300x1200
(5.6USt) (13'5")x(4'3")x(3'11")
FVBH0191



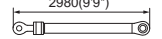
Bucket
9.9t (10.9USt)
3010x2710x2900
(9'11")x(8'11")x(9'6")
FVBH0192



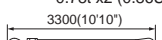
Boom cylinder
2.6t (2.87USt)
1.3t x2 (1.43USt x2)
3520(11'7")



Arm cylinder
1.24t (1.43USt)
0.62t x2 (0.67USt x2)
2980(9'9")

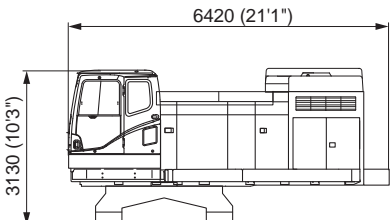


Bucket cylinder
1.56t (1.72USt)
0.78t x2 (0.86USt x2)
3300(10'10")



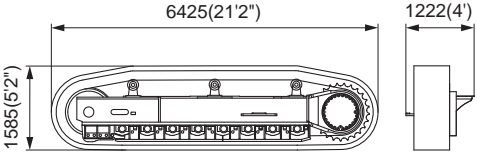
FVBH0193

(2) Upper structure 36.4t (40.1 U.S. ton)



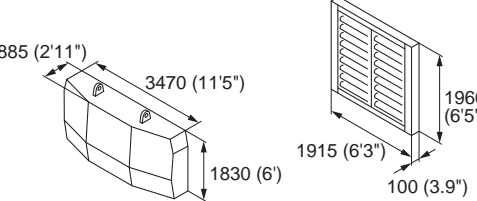
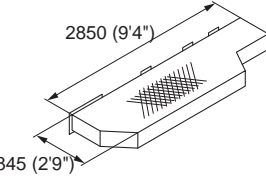
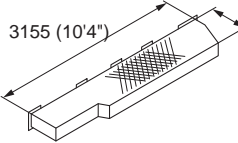
Width : 3490 (11'5")

(3) Undercarriage 30.0t (33.1 U.S. ton)



FVBH0195

(4) Other 18.4t (20.3 U.S. ton)

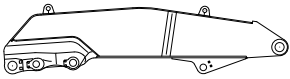
FVBH0180

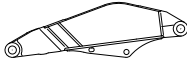
PC1250-7


Posture for Transportation
(length X height X width) (1/2)

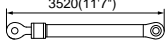
4 units for transportation (PC1250-7 STD spec.)

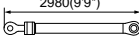
(1) Work equipment assembly 27.5t (30.3 U.S. ton)

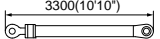
Boom

 7.1t 5650x1500x2000
 (7.8USt) (18'6")x(4'11")x(6'7") FVBH0190

Arm

 5.1t 4100x1300x1200
 (5.6USt) (13'5")x(4'3")x(3'11") FVBH0191

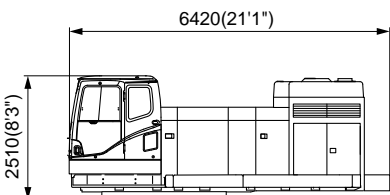
Bucket

 9.9t (10.9USt)
 3010x2710x2900
 (9'11")x(8'11")x(9'6") FVBH0192

Boom cylinder
 2.6t (2.87USt)
 1.3t x2 (1.43USt x2)
 3520(11'7")


Arm cylinder
 1.24t (1.43USt)
 0.62t x2 (0.67USt x2)
 2980(9'9")


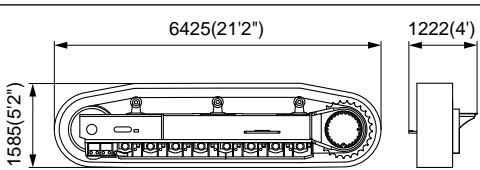
Bucket cylinder
 1.56t (1.72USt)
 0.78t x2 (0.86USt x2)
 3300(10'10")
 FVBH0193

(2) Upper structure 23.9t (26.3 U.S. ton)



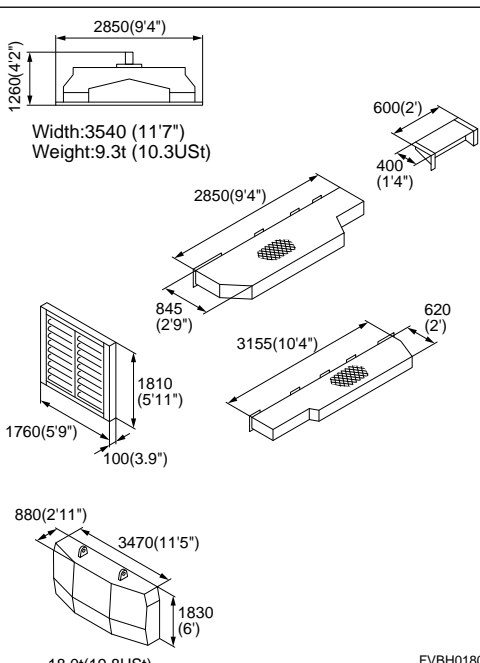
Width:3490 (11'9")
 Weight:23.9t (26.3USt) FVBH0178

(3) Undercarriage 30.0t (33.1 U.S. ton)



Weight
 PC1250:30.0t (33.1USt)
 15.0t x2(16.5 x2USt) FVBH0195

(4) Other 27.7t (30.5 U.S. ton)




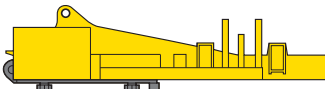

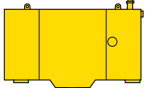
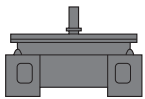
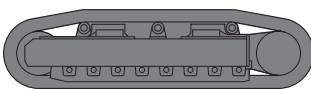






Weight:9.3t (10.3USt) FVBH0180

Component Dimensions and Weights

HYDRAULIC LOADING SHOVELS

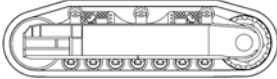
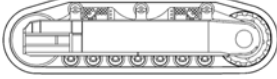
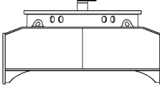
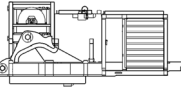
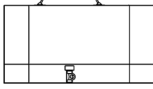


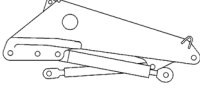
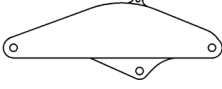

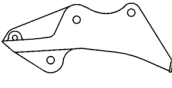
PC2000-8

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
1. Boom	 FVBH0205	6400 (21'0")	1740 (5'9")	2000 (6'7")	11.8 (13.0)
2. Arm	 FVBH0206	4900 (16'1")	1450 (4'9")	1700 (5'7")	9.5 (10.5)
3. Bucket		3350 (11'0")	3190 (10'6")	2920 (9'7")	14.4 (15.9)
4. Revolving frame		7575 (24'10")	3180 (10'5")	2640 (8'8")	26.5 (29.2)
5. Power module		5215 (17'1")	2455 (8'1")	3195 (10'6")	16.1 (17.7)
6. Fuel tank		3100 (10'2")	875 (2'10")	2070 (6'10")	2.4 (2.65)
7. Center frame		3815 (12'6")	3190 (10'6")	2210 (7'3")	18.0 (19.8)
8. Undercarriage		7435 (24'5")	1720 (5'8")	1920 (6'4")	26.0 × 2 (28.1 × 2)
9. Cab base		3660 (12'0")	2505 (8'3")	2700 (8'10")	2.5 (2.8)
10. Operator cab		2885 (9'6")	1880 (6'2")	2520 (8'3")	1.8 (1.98)
11. Counterweight		6420 (21'1")	1115 (3'8")	1505 (4'11")	24.5 (27.0)
12. Hydraulic tank		1860 (6'1")	1115 (3'8")	2125 (7'0")	3.5 (3.86)
13. Cylinders and Others					12.5 (13.8)

Component Dimensions and Weights

HYDRAULIC LOADING SHOVELS

PC3000-6

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame with 800 mm (31.5") Tracks		7930 (26'0")	1600 (5'3")	2210 (7'3")	31.9 (35.2)
Right Crawler Side Frame with 800 mm (31.5") Tracks		7930 (26'0")	1600 (5'3")	2210 (7'3")	31.9 (35.2)
Carbody with Rotary Joint		4020 (13'2")	3610 (11'10")	2180 (7'2")	19.5 (21.5)
Superstructure Platform with Machine House incl. 1 Diesel Engine, Hydraulic Tank and Hydraulic Cooler		7950* (26'1")	5250* (17'3")	3600* (11'10")	70* (77.2)
Counterweight		5060 (16'7")	1000 (3'3")	2850 (9'4")	30.5 (33.6)
Fuel Tank		2250 (7'5")	1650 (5'5")	2800 (9'2")	2.3 (2.5)
Cab Base		2520 (8'3")	2300 (7'7")	2800 (9'2")	3.25 (3.6)
Boom 6 m (19'8") with 4 cylinders		6450 (21'2")	2130 (7'0")	2800 (9'2")	26.3 (29.0)
Arm 4.3 m (14'1")		4740 (15'7")	1600 (5'3")	1800 (5'11")	9.25 (10.2)
Front Shovel Bucket 15 m ³ (19.0 cu.yd) incl. Standard Wear Package WP 3		4110** (13'6")	3790 (12'5")	3420** (11'3")	24.1** (26.6)
Front Shovel Backwall incl. Standard Wear Package WP 3			3610 (11'10")		10.2 (11.2)
Case with Accessories		3500 (11'6")	2400 (7'10")	3150 (10'4")	4 (4.4)
Case with Accessories		5800 (19'0")	2400 (7'10")	2100 (6'11")	5.7 (6.3)
Case with Accessories		4900 (16'1")	1300 (4'3")	1520 (5'0")	7 (7.7)


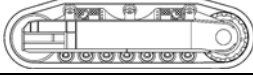
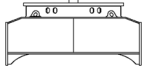

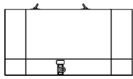
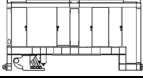



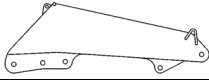
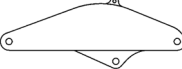


* including Superstructure, Hydraulic Tank and Hydraulic Cooler

** for the complete bucket

Component Dimensions and Weights

HYDRAULIC LOADING SHOVELS

PC4000-6





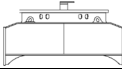
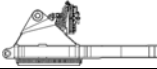
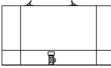
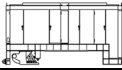



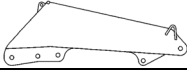
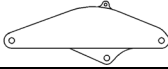


Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame with 1200 mm (47") Tracks		8850 (29'0")	1600 (5'3")	2500 (8'2")	58.0 (63.9)
Right Crawler Side Frame with 1200 mm (47") Tracks		8850 (29'0")	1600 (5'3")	2500 (8'2")	58.0 (63.9)
Carbody with Rotary Joint		4670 (15'4")	4070 (13'4")	2270 (7'5")	30.1 (33.2)
Superstructure Platform		8430 (27'8")	4435 (14'7")	3930 (12'11")	50.3 (55.4)
Counterweight		6100 (20'0")	950 (3'1")	3320 (10'11")	37 (40.8)
Main Machinery House incl. 1 Engine		6500 (21'4")	2750 (9'0")	3250 (10'8")	30.4 (33.5)
Fuel Tank		2390 (7'10")	2060 (6'9")	3280 (10'9")	3.5 (3.9)
Hydraulic Tank		2400 (7'10")	1370 (4'6")	3270 (10'9")	3.4 (3.7)
Cab Base		2400 (7'10")	2060 (6'9")	3020 (9'11")	3.8 (4.2)
Boom 7.15 m (23'6")		7700 (25'3")	2300 (7'7")	2800 (9'2")	23.6 (26.0)
Arm 4.9 m (16'1")		5400 (17'9")	2000 (6'7")	2100 (6'11")	14.9 (16.4)
Front Shovel Clam 22 m ³ (28.8 cu.yd) incl. Standard Wear Package WP 3		3700 (12'2")	4170 (13'8")	3600 (11'10")	19.4 (21.4)
Front Shovel Backwall 22 m ³ (28.8 cu.yd) incl. Standard Wear Package WP 3		4100** (13'5")	4000 (13'1")	1600 (5'3")	15.5 (17.1)
Case with Oil Cooler		5770 (18'11")	2490 (8'2")	1980 (6'6")	3.4 (3.7)
Case with Driver's Cab and with intermediate base		3890 (12'9")	3290 (10'10")	3280 (10'9")	5 (5.5)
Case with Boom Cylinders		5870 (19'3")	1290 (4'3")	1480 (4'10")	8.2 (9.0)
Case with Stick Cylinders		4870 (16'0")	1090 (3'7")	1280 (4'2")	6.1 (6.7)
Case with Accessories		5770 (18'11")	2490 (8'2")	1980 (6'6")	4 (4.4)
Case with Accessories		4870 (16'0")	1090 (3'7")	1280 (4'2")	6 (6.6)

** for the complete bucket

Component Dimensions and Weights

HYDRAULIC LOADING SHOVELS




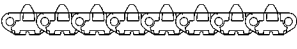
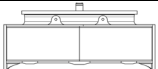
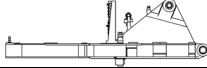
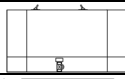
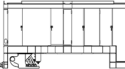




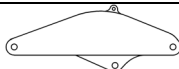

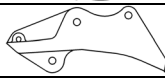
PC5500-6

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame without Tracks		9300 (30'6")	1500 (4'11")	2300 (7'7")	40 (44)
Right Crawler Side Frame without Tracks		9300 (30'6")	1500 (4'11")	2300 (7'7")	40 (44)
6 × 1 Chain with 12 Track Shoes 1350 mm (53") each 8.55 t (9.4 US ton)		6000 (19'8")	1350 (4'5")	400 (1'4")	51.3 (56.5)
2 × 1 Chain with 10 Track Shoes 1350 mm (53") each 7.1 t (7.3 US ton)		5050 (16'7")	1350 (4'5")	400 (1'4")	14.2 (15.7)
Carbody with Rotary Joint		5130 (16'10")	4690 (15'5")	2380 (7'10")	45 (49.6)
Superstructure Platform		9650 (31'7")	4510 (14'10")	4400 (14'5")	85 (93.6)
Counterweight		6600 (21'8")	1140 (3'9")	3320 (10'11")	42 (46.3)
Main Machinery House incl. 2 Diesel Engines		7100 (23'4")	4050 (13'3")	3300 (10'10")	40.5 (51.0)
Fuel Tank		2800 (9'2")	2250 (7'5")	3300 (10'10")	7.0 (7.7)
Hydraulic Tank		2390 (7'10")	1300 (4'3")	3300 (10'10")	3.4 (3.7)
Cab Base		2200 (7'3")	1950 (6'5")	3050 (10'0")	3.8 (4.2)
Boom 7.6 m (24'11")		8250 (27'1")	2530 (8'4")	3000 (9'10")	35.0 (38.6)
Arm 5.6 m (18'4")		6300 (20'8")	2340 (7'8")	2300 (7'7")	21.0 (23.0)
Front Shovel Clam 28 m ³ (36.6 cu.yd), incl. Standard Wear Package WP 3		4100 (13'5")	4900 (16'1")	3800 (12'6")	28.5 (31.0)
Front Shovel Backwall 28 m ³ (36.6 cu.yd) incl. Standard Wear Package WP 3		4250 (13'11")	4400 (14'5")	1950 (6'4")	23.0 (25.3)
Case with Oil Cooler		4000 (13'1")	2700 (8'10")	2300 (7'7")	5.4 (6.0)
Case with Driver's Cab and with Intermediate Base		4000 (13'1")	3300 (10'10")	3200 (10'6")	6.6 (7.3)
Case with 2 Gear Boxes		5600 (18'4")	2700 (8'10")	2250 (7'5")	16.6 (18.3)
Case with 2 Boom Cylinders		6500 (21'4")	1400 (4'7")	1500 (4'11")	12 (13.2)
Case with 2 Stick Cylinders		5670 (18'7")	1490 (4'11")	1680 (5'6")	9.2 (10.1)
Case with Accessories		3600 (11'10")	2500 (8'2")	2550 (8'4")	3.8 (4.2)
Case with Accessories		5770 (18'11")	2490 (8'2")	1880 (6'2")	4.6 (5.1)

Component Dimensions and Weights

HYDRAULIC LOADING SHOVELS

PC8000-6

Unit name	Dimension	Length mm (ft.in.)	Width mm (ft.in.)	Height mm (ft.in.)	Weight ton (U.S. ton)
Left Crawler Side Frame without Tracks		10200 (33'6")	1600 (5'2")	2450 (8'0")	55 (60.6)
Right Crawler Side Frame without Tracks		10200 (33'6")	1600 (5'2")	2450 (8'0")	55 (60.6)
9 x 1 Chain with 10 Track Shoes 1500 mm (59")		5040 (16'6")	1500 (4'11")	400 (1'4")	91 (100.3)
1 Chain with 8 Track Shoes 1500 mm (59")		4070 (13'4")	1500 (4'11")	400 (1'4")	8.1 (8.9)
Carbody with Rotary Joint		5750 (18'10")	5060 (16'7")	2730 (8'11")	59 (65.0)
Superstructure Platform		11300 (37'1")	4750 (15'7")	4000 (13'1")	94 (103.6)
Counterweight		6800 (22'3")	1250 (4'1")	3900 (12'10")	52.3 (57.7)
Main Machinery House incl. 2 Diesel Engines		8000 (26'3")	5000 (16'5")	3900 (12'10")	62 (68.3)
Fuel Tank		3400 (11'1")	1800 (5'11")	3760 (12'4")	5.6 (6.2)
Hydraulic Tank		2710 (8'11")	1910 (6'3")	3730 (12'3")	7.3 (8.0)
Cab Base		2600 (8'6")	2000 (6'6")	3800 (12'5")	5.4 (6.0)
Boom 8.15 m (26'9")		8800 (28'10")	2900 (9'6")	3400 (11'2")	49.1 (54.1)
Arm 5.75 m (18'10")		6500 (21'3")	2700 (8'9")	2550 (8'4")	26.0 (28.5)
Front Shovel Clam 42 m ³ (55 cu.yd), incl. Standard Wear Package WP 3		4600 (15'1")	5670 (18'7")	4300 (14'1")	39.5 (43.5)
Front Shovel Backwall 42 m ³ (55 cu.yd), incl. Standard Wear Package WP 3		4800 (15'8")	5200 (17'8")	2350 (7'8")	31.0 (34.1)
Case with Oil Cooler		6500 (21'4")	2700 (8'10")	2500 (8'2")	11.5 (12.7)
Case with Slew Ring		4950 (16'3")	4910 (16'1")	1015 (3'4")	21 (23.1)
Case with Cab		4000 (13'1")	3030 (9'11")	3150 (10'4")	7 (7.7)
20' OT Container (belong to shipper) with Accessories					8.5 (9.4)
20' OT Container (belong to shipper) with Accessories					13.4 (14.8)
20' OT Container (belong to shipper) with Accessories					20.3 (22.4)
40' OT Container (belong to shipper) with Accessories					24.3 (26.8)

Ground Pressure

HYDRAULIC LOADING SHOVELS

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/ cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC400-7 PC400-8 PC400-8R	Triple-grouser	600 (24")*	52090 (8074)	0.83 (11.8)	±0	: 4.0 m (13'1")
		700 (28")	60770 (9419)	0.72 (10.2)	+420 (926)	: 2.9 m (9'6")
		800 (31.5")	69450 (10765)	0.63 (8.95)	+850 (1874)	: 2.6 m ³ (3.4 cu.yd)
PC400LC-7 PC400LC-8 PC400LC-8R	Triple-grouser	600 (24")	56050 (8638)	0.78 (11.1)	-450 (992)	: 4.0 m (13'1")
		700 (28")*	65390 (10135)	0.68 (9.7)	±0	: 2.9 m (9'6")
		800 (31.5")	74730 (11583)	0.60 (8.53)	+450 (992)	: 2.6 m ³ (3.4 cu.yd)
PC600-8E0 PC600-8R1	Double-grouser	600 (24")*	55240 (8562)	1.14 (16.2)	±0	: 4.0 m (13'1")
						: 3.0 m (9'10")
						: 4.0 m ³ (5.2 cu.yd)
PC600LC-8E0 PC600LC-8R1	Double-grouser	600 (24")*	59440 (9213)	1.08 (15.4)	±0	: 4.0 m (13'1")
						: 3.0 m (9'10")
						: 4.0 m ³ (5.2 cu.yd)
PC800-8E0 PC800-8R1	Double-grouser	610 (24")*	60170 (9326)	1.28 (18.2)	±0	: 4.6 m (15'1")
						: 3.4 m (11'2")
						: 4.5 m ³ (5.9 cu.yd)
PC1250-7	Double-grouser	700 (28")*	76450 (11850)	1.44 (20.5)	±0	: 5.3 m (17'5")
						: 3.8 m (12'6")
						: 6.5 m ³ (8.5 cu.yd)
PC1250-8 PC1250-8R	Double-grouser	700 (28")*	76450 (11850)	1.45 (20.6)	±0	: 5.3 m (17'5")
						: 3.8 m (12'6")
						: 6.5 m ³ (8.5 cu.yd)
PC2000-8	Double-grouser	810 (32")*	103020 (15970)	1.90 (27.0)	±0	: 5.95 m (19'6")
						: 4.45 m (14'7")
						: 11 m ³ (14.4 cu.yd)
PC3000-6	Double-grouser	800 (31.4")*	106696 (16538)	2.36 (33.6)	±0	: 8.6 m (28'3")
		1000 (39.4")	133370 (20672)	1.96 (27.8)	+9000 (19840)	: 4.0 m (13'1")
		1200 (47.2")	160044 (24807)	1.63 (23.2)	+9000 (19840)	: 15 m ³ (19.5 cu.yd)
PC3000E-6	Double-grouser	800 (31.4")*	106696 (16538)	2.36 (33.8)	±0	: 8.6 m (28'3")
		1000 (39.4")	133370 (20672)	1.97 (28.0)	+9000 (19840)	: 4.0 m (13'1")
		1200 (47.2")	160044 (24807)	1.64 (23.2)	+9000 (19840)	: 15 m ³ (19.5 cu.yd)
PC4000-11	Double-grouser	1200 (47")	178793 (27741)	2.26 (32.2)	±0	: 9.75 m (32'0")
		1500 (59")	223491 (34641)	1.83 (26.0)	+5000 (11000)	: 4.5 m (14'9")
						: 22 m ³ (29.0 cu.yd)
PC4000-6	Double-grouser	1200 (47.2")*	178793 (27713)	2.20 (32.3)	±0	: 9.75 m (32'0")
		1500 (59")	223491 (34641)	1.79 (25.4)	+5000 (11000)	: 4.5 m (14'9")
						: 22 m ³ (29.0 cu.yd)
PC4000E-6	Double-grouser	1200 (47.2")*	178793 (27713)	2.20 (32.3)	±0	: 9.75 m (32'0")
		1500 (59")	223491 (34641)	1.79 (25.4)	+5000 (11000)	: 4.5 m (14'9")
						: 22 m ³ (29.0 cu.yd)
PC5500-6	Double-grouser	1350 (53")*	222145 (34432)	2.42 (34.5)	±0	: 11.0 m (36'1")
		1800 (71")	296194 (45910)	1.86 (26.5)	+14000 (30860)	: 5.1 m (16'9")
						: 29 m ³ (38 cu.yd)
PC5500E-6	Double-grouser	1350 (53")*	222145 (34432)	2.39 (34.0)	±0	: 11.0 m (36'1")
		1800 (71")	296194 (45910)	1.84 (26.2)	+14000 (30860)	: 5.1 m (16'9")
						: 29 m ³ (38 cu.yd)
PC7000-6	Double-grouser	1500 (59")*	258110 (40007)	2.65 (37.7)	±0	: 11.0 m (36'1")
		1900 (75")	326940 (50676)	2.12 (30.2)	+10000 (22000)	: 5.1 m (16'1")
						: 36 m ³ (47.0 cu.yd)
PC7000E-6	Double-grouser	1500 (59")*	258110 (40007)	2.54 (36.1)	±0	: 11.0 m (36'1")
		1900 (75")	326940 (50676)	2.03 (28.9)	+10000 (22000)	: 5.1 m (16'1")
						: 36 m ³ (47.0 cu.yd)

* Standard shoe

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinking of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

	Shoe type	Shoe width mm (in)	Ground contact area cm ² (sq.in)	Ground pressure kg/ cm ² (PSI)	Change in operating weight kg (lb)	Boom Arm Bucket
PC8000-6	Double-grouser	1500 (59")*	271120 (42024)	2.80 (39.9)	±0	: 11.5 m (37'10")
		1900 (75")	343420 (53230)	2.25 (32.0)	+12000 (26455)	: 5.5 m (18'1")
						: 42 m ³ (55 cu.yd)
PC8000E-6	Double-grouser	1500 (59")*	271120 (42024)	2.71 (38.6)	±0	: 11.5 m (37'10")
		1900 (75")	343420 (53230)	2.18 (31.0)	+12000 (26455)	: 5.5 m (18'1")
						: 42 m ³ (55 cu.yd)

* Standard shoe

NOTE: The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinking of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.

Loading Shovel Buckets

HYDRAULIC LOADING SHOVELS

The bucket weight is heavier than the tilt-dump bucket. However, its characteristics of vertical dumping provide the following features

- Accurate loading is possible, because it is easy to position the bucket on the dumping point.
- Load spillage is less.
- Larger dumping clearance permits easier loading on the hauler.
- As it is possible to more closely position the bucket over the hauler's body, loading shock to the hauler can be minimized, extending the service life of the hauler.
- As a result of the above advantages, the cycle time is shortened.

Model	Bucket	Capacity m ³ (cu.yd)	Width mm (in)	Weight kg (lb)	Dump type	Recommen- dation
PC400-7 PC400LC-7 PC400-8 PC400-8R PC400LC-8 PC400LC-8R	Standard Bucket	2.6 (3.4)	1900 (74.8")	3270 (7,210)	Bottom	○
PC600-8E0 PC600-8R1 PC600LC-8E0 PC600LC-8R1	Standard Bucket	4.0 (5.2)	2090 (82.3")	5700 (12,570)	Bottom	○
PC800-8E0 PC800-8R1	Standard Bucket	4.5 (5.9)	2320 (91.3")	5700 (12,570)	Bottom	○
	Light-material Bucket	5.1 (6.7)	2670 (105.1")	7360 (16,230)	Bottom	□
PC1250-7	Standard Bucket	6.5 (8.5)	2680 (105.5")	9700 (21,380)	Bottom	○
	Light material Bucket	7.2 (9.4)	2680 (105.5")	9800 (21,600)	Bottom	□
PC1250-8 PC1250-8R	Standard Bucket	6.5 (8.5)	2700 (106.3")	9730 (21,450)	Bottom	○
	Light material Bucket	7.2 (9.4)	2680 (105.5")	9800 (21,600)	Bottom	□
PC2000-8	Standard Bucket	11 (14.4)	3220 (126.8")	14400 (31,750)	Bottom	○

Applications

- : General digging and Loading
- △ : Light material work (Specific gravity, 1.2 and less)
- : Light material work (Specific gravity, 1.5 and less)
- : Heavy-duty work (Specific gravity, 1.5 ~ 2.0)

Model	Bucket Capacity	Width	Weight including Shrouds and WP-3*	Dump Type	Recommen- dation
	Heaped 2:1 m ³ (cu.yd)				
PC3000-6	12.0 (15.7)	3430 (135")	19366 (HD / WP4)	bottom	●
	16.0 (21.0)	3790 (149")	23745 (52,350)	bottom	○
PC4000-11 PC4000-6	19.0 (25.0)	4020 (158.3")	33562 (73,990)	bottom	●
	22.0 (29.0)	4020 (158.3")	34688 (76,470)	bottom	○
	23.0 (30.0)	4020 (158.3")	35004 (77,170)	bottom	○
	24.0 (31.5)	4020 (158.3")	36187 (79,780)	bottom	□
PC5500-6	21.0 (27.5)	4410 (173.6")	48253 (HD / WP4)	bottom	●
	26.0 (34.0)	4570 (180")	51913 (HD / WP4)	bottom	●
	29.0 (38.0)	4570 (180")	50880 (112,170)	bottom	○
PC7000-6	36.0 (47.0)	4965 (195.5")	60597 (133,590)	bottom	○
	38.0 (49.7)	4965 (195.5")	in design process	bottom	○
PC8000-6	28.0 (37.0)	4575 (180")	55602 (122,580)	bottom	●
	36.0 (47.0)	5375 (211.6")	70238 (HD / WP4)	bottom	●
	42.0 (55.0)	5375 (211.6")	69646 (153,540)	bottom	○

* Wear package No.

Applications

- : General rock bucket for digging and loading
- △ : Light material work
- : Heavy-duty work

Hydraulic loading shovel and dump truck combination

Hydraulic Excavator		Dump Truck					
Model (L/S)	Bucket capacity (Heaped) m ³ (cu.yd)	HD325	HD405	HD465	HD605	HD785	HD1500-8
		Payload m. ton (U.S. ton)					
		36.5 (40)	40 (44)	55 (61)	63 (69.4)	91 (100)	142 (156.5)
	(SAE)	Body Capacity m ³ (cu. yd)					
PC600(LC)-8E0 PC600(LC)-8R1	4 (5.2)	5	6				
PC800-8E0 PC800-8R1	4.5 (5.9)	5	5				
	5.1 (6.7)	4	5				
PC1250-8 PC1280-8R PC1250-7	6.5 (8.5)	3	4	5	6		
PC2000-8	11 (14.4)			3	3	5	
PC3000-6 PC3000E-6	15 (19.5)					4	6
PC4000-6 PC4000E-6 PC4000-11	19 (25.0)					3	4
	22 (29.0)						4
	23 (30.0)						4
	24 (31.5)						4
PC5500-6 PC5500E-6	21 (27.5)						4
	26 (34.0)						3
	29 (38.0)						3
PC7000-6 PC7000E-6	36 (47)						
	38 (49.7)						
PC8000-6 PC8000E-6	28 (37.0)						
	36 (47.0)						
	42 (55.0)						

Hydraulic Excavator		Dump Truck					
Model (L/S)	Bucket capacity (Heaped) m ³ (cu.yd)	730E	830E-AC	860E-1K	930E-4 930E-4SE	960E-2 960E-2K	980E
		Payload m. ton (U.S. ton)					
		111 (145)	147 (193)	169 (221)	211 (276)	214 (280)	250 (327)
	(SAE)	Body Capacity m ³ (cu. yd)					
PC600(LC)-8E0 PC600(LC)-8R1	4 (5.2)						
PC800-8E0 PC800-8R1	4.5 (5.9)						
	5.1 (6.7)						
PC1250-8 PC1280-8R PC1250-7	6.5 (8.5)						
PC2000-8	11 (14.4)						
PC3000-6 PC3000E-6	15 (19.5)	7					
PC4000-6 PC4000E-6 PC4000-11	19 (25.0)	6	7				
	22 (29.0)	5	6	7			
	23 (30.0)	5	6	6			
	24 (31.5)	4	5	6			
PC5500-6 PC5500E-6	21 (27.5)	5	6	7			
	26 (34.0)	4	5	6			
	29 (38.0)	4	5	5	6	7	
PC7000-6 PC7000E-6	36 (47)	3	4	4	5	5	6
	38 (49.7)	3	3	4	5	5	6
PC8000-6 PC8000E-6	28 (37.0)	4	5	5	6	7	8
	36 (47.0)	3	4	4	5	5	6
	42 (55.0)	3	3	4	4	5	5

Number of Passes: 3 to 7: Suitable

Note: L/S: Loading shovel

Above combination is determined by following method;

(1) Suitable number of (bucket) passes (n):

$$n = \frac{\text{Dump Truck Maximum Payload}}{\text{Bucket Capacity} \times \text{Bucket Fill Factor} \times \text{Loose Density}} \quad \text{or} \quad n = \frac{\text{Dump Truck Capacity (heaped)}}{\text{Bucket Capacity} \times \text{Bucket Fill Factor}}$$

Number of (bucket) passes is calculated based on following condition.

1. Calculate number of passes from Dump Truck Maximum Payload.
Please see formula 1.
2. Calculate number of passes from Dump Body Capacity.
Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1

Number of passes = Dump Truck Maximum Payload / (Bucket Capacity × Bucket Fill Factor × Loose Density)

Formula 2

Number of passes = Dump Body Capacity / (Bucket Capacity × Bucket Fill Factor)

Below is the basic assumptions:

Loose Density = 1.8 metric ton per cubic meter

Bucket Fill Factor = 1.0

SECTION **3E**

WHEEL-TYPE EXCAVATORS

CONTENTS

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Working Ranges and Digging Force	3E-7
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Specifications

WHEEL-TYPE EXCAVATORS

Item		Model	PW98MR-10***	PW118MR-11***	PW148-11**
Emissions		kg (lb)	T4i/S3B	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	10500 (23,150)	13900 (30,640)	15710 (34,630)
HORSEPOWER:	ISO 14396 ISO 9249 Net	kW (HP)/RPM	50.7 (68.0)/1950 49.0 (65.7)/1950	72.6 (97.3)/2050 72.5 (97.2)/2050	90.0 (121)/2100 86.0 (115)/2100
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.077 ~ 0.282 (0.10) (0.37)	0.093 ~ 0.40 (0.12) (0.52)	0.20 ~ 0.97 (0.26) (1.27)
PERFORMANCE:					
Swing speed		RPM	10	8.0	11
Travel speeds	1st or Creep 2nd or Lo 3rd or Hi 4th or Auto	km/h (MPH)	4 (2.5) 10 (6.2) 30 (18.6)	4 (2.5) 13 (8.1) 30 (18.6)	2.5 (1.6) 10.0 (6.2) 35 (21.7) 0 ~ 35 (21.7)
Maximum drawbar pull		kg (lb)	5400 (11,900)	6350 (14,000)	8300 (18,300)
DIMENSIONS:		See the page of DIMENSIONS			
ENGINE:			KOMATSU	KOMATSU	KOMATSU
Model			SAA4D95LE-6	SAA4D95LE-7	SAA4D107E-3
No. of cylinders- bore × stroke		mm (in)	4-95 × 115 (3.74 × 4.53)	4-95 × 115 (3.74 × 4.53)	4-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	3.26 (199)	3.26 (199)	4.5 (275)
HYDRAULIC SYSTEM:					
Hydraulic pump			1 × Variable Piston + 1 × Gear pump	1 × Variable Piston + 1 × Gear pump	1 × Variable Piston
Max. oil flow		ltr.(U.S. Gal)/min.	230 (60.8)	282 (74.5)	252 (66.6)
Max. oil pressure (Implement)		kg/cm ² (PSI)	270 (3840)	300 (4266)	380 (5400)
WHEELS:	(front) (rear)		8.25-20 × 4 8.25-20 × 4	9-20 × 4 9-20 × 4	315/70 R22.5 × 4 315/70 R22.5 × 4
CAPACITY (Refilled):					
Fuel tank		ltr. (U.S. Gal)	125 (33.0)	142 (37.5)	265 (70.0)
Hydraulic oil tank			140 (37.0)	80 (21.1)	169 (44.6)
MACHINE SPEC:					
Boom (2 piece boom length)		mm (ft.in)	3855 (12'6")	3855 (12'6")	4600 (15'1")
Arm		mm (ft.in)	1650 (5'5")	1850 (6'1")	2500 (8'2")
Bucket (SAE)		m ³ (cu.yd)	0.28 (0.37)	0.33 (0.43)	0.48 (0.63)
Front and rear equipment		—	2 outriggers + blade	2 outriggers + blade	2 outriggers + blade

Item		Model	PW148-11***	PW148-10**	PW148-10***
Emissions		kg (lb)	T4F/S4	T4i/S3B	T4i/S3B
OPERATING WEIGHT*		kg (lb)	15945 (35,150)	15585 (34,360)	15810 (34,850)
HORSEPOWER:	ISO 14396 ISO 9249 Net	kW (HP)/RPM	90.0 (121)/2100 86.0 (115)/2100	90.0 (121)/2100 86.0 (115)/2100	90.0 (121)/2100 86.0 (115)/2100
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.20 ~ 0.97 (0.26) (1.27)	0.20 ~ 0.97 (0.26) (1.27)	0.20 ~ 0.97 (0.26) (1.27)
PERFORMANCE:					
Swing speed		RPM	11	11	11
Travel speeds	1st or Creep 2nd or Lo 3rd or Hi 4th or Auto	km/h (MPH)	2.5 (1.6) 10.0 (6.2) 35 (21.7) 0 ~ 35 (21.7)	2.5 (1.6) 9.0 (5.6) 35 (21.7) 0 ~ 35 (21.7)	2.5 (1.6) 9.0 (5.6) 35 (21.7) 0 ~ 35 (21.7)
Maximum drawbar pull		kg (lb)	8300 (18,300)	8900 (19,620)	8900 (19,620)
DIMENSIONS:		See the page of DIMENSIONS			
ENGINE:			KOMATSU	KOMATSU	KOMATSU
Model			SAA4D107E-3	SAA4D107E-2	SAA4D107E-2
No. of cylinders- bore × stroke		mm (in)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	4.5 (275)	4.5 (275)	4.5 (275)
HYDRAULIC SYSTEM:					
Hydraulic pump			1 × Variable Piston	1 × Variable Piston	1 × Variable Piston
Max. oil flow		ltr.(U.S. Gal)/min.	252 (66.6)	252 (66.6)	252 (66.6)
Max. oil pressure (Implement)		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)
WHEELS:	(front) (rear)		315/70 R22.5 × 4 315/70 R22.5 × 4	10.00-20-14PR × 4 10.00-20-14PR × 4	10.00-20-14PR × 4 10.00-20-14PR × 4
CAPACITY (Refilled):					
Fuel tank		ltr. (U.S. Gal)	265 (70.0)	252 (66.6)	252 (66.6)
Hydraulic oil tank			169 (44.6)	169 (44.6)	169 (44.6)
MACHINE SPEC:					
Boom (2 piece boom length)		mm (ft.in)	4980 (16'1")	4600 (15'1")	4980 (16'1")
Arm		mm (ft.in)	2500 (8'2")	2500 (8'2")	2500 (8'2")
Bucket (SAE)		m ³ (cu.yd)	0.48 (0.63)	0.48 (0.63)	0.48 (0.63)
Front and rear equipment		—	2 outriggers + blade	2 outriggers + blade	2 outriggers + blade

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

** One piece boom

*** Two piece boom

T4i/S3B: EPA Tier 4 Interim equivalent and EU Stage 3B equivalent model

T4F/S4: EPA Tier 4 Final and EU Stage 4 model

Specifications

WHEEL-TYPE EXCAVATORS

Item		Model	PW160-11**	PW160-11***	PW160-10**
Emissions		kg (lb)	T4F/S4	T4F/S4	T4i/S3B
OPERATING WEIGHT*		kg (lb)	17910 (39,480)	18310 (40,370)	18025 (39,740)
HORSEPOWER:	ISO 14396 ISO 9249 Net	kW (HP)/RPM	110 (148)/2000 104 (139)/2000	110 (148)/2000 104 (139)/2000	110 (148)/2000 104 (139)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.20 ~ 0.97 (0.26) (1.27)	0.20 ~ 0.97 (0.26) (1.27)	0.20 ~ 0.97 (0.26) (1.27)
PERFORMANCE:		RPM	11	11	11
Swing speed		km/h (MPH)	2.5 (1.6)	2.5 (1.6)	2.5 (1.6)
Travel speeds	1st or Creep 2nd or Lo 3rd or Hi 4th or Auto		10.0 (6.2) 35 (21.7) 0 ~ 35 (21.7)	10.0 (6.2) 35 (21.7) 0 ~ 35 (21.7)	10.5 (6.5) 35 (21.7) 0 ~ 35 (21.7)
Maximum drawbar pull		kg (lb)	10900 (24,030)	10900 (24,030)	9790 (21,590)
DIMENSIONS:		See the page of DIMENSIONS			
ENGINE:			KOMATSU	KOMATSU	KOMATSU
Model		mm	SAA4D107E-3	SAA4D107E-3	SAA4D107E-2
No. of cylinders- bore × stroke		(in)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	4.5 (275)	4.5 (275)	4.5 (275)
HYDRAULIC SYSTEM:			1 × Variable Piston	1 × Variable Piston	1 × Variable Piston
Hydraulic pump					
Max. oil flow		ltr.(U.S. Gal)/min.	308 (81.4)	308 (81.4)	308 (81.4)
Max. oil pressure (Implement)		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)
WHEELS:	(front) (rear)		315/70 R22.5 × 4 315/70 R22.5 × 4	315/70 R22.5 × 4 315/70 R22.5 × 4	10.00-20-14PR × 4 10.00-20-14PR × 4
CAPACITY (Refilled):		ltr. (U.S. Gal)	325 (85.9)	325 (85.9)	290 (76.6)
Fuel tank			166 (43.9)	166 (43.9)	166 (43.9)
Hydraulic oil tank					
MACHINE SPEC:					
Boom (2 piece boom length)		mm (ft.in)	5300 (17'5")	5223 (17'2")	5300 (17'5")
Arm		mm (ft.in)	2500 (8'2")	2500 (8'2")	2500 (8'2")
Bucket (SAE)		m ³ (cu.yd)	0.69 (0.90)	0.69 (0.90)	0.69 (0.90)
Front and rear equipment		—	2 outriggers + blade	2 outriggers + blade	2 outriggers + blade

Item		Model	PW160-10***	PW180-11**	PW180-11***
Emissions		kg (lb)	T4i/S3B	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	18205 (40,130)	19670 (43,360)	19840 (43,740)
HORSEPOWER:	ISO 14396 ISO 9249 Net	kW (HP)/RPM	110 (148)/2000 104 (139)/2000	123 (165)/2000 118 (158)/2000	123 (165)/2000 118 (158)/2000
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.20 ~ 0.97 (0.26) (1.27)	0.38 ~ 1.13 (0.50) (1.48)	0.38 ~ 1.13 (0.50) (1.48)
PERFORMANCE:		RPM	11	11.5	11.5
Swing speed		km/h (MPH)	2.5 (1.6)	2.5 (1.6)	2.5 (1.6)
Travel speeds	1st or Creep 2nd or Lo 3rd or Hi 4th or Auto		10.5 (6.5) 35 (21.7) 0 ~ 35 (21.7)	10.0 (6.2) 35 (21.7) 0 ~ 35 (21.7)	10.0 (6.2) 35 (21.7) 0 ~ 35 (21.7)
Maximum drawbar pull		kg (lb)	9790 (21,590)	10900 (24,030)	10900 (24,030)
DIMENSIONS:		See the page of DIMENSIONS			
ENGINE:			KOMATSU	KOMATSU	KOMATSU
Model		mm	SAA4D107E-2	SAA6D107E-3	SAA6D107E-3
No. of cylinders- bore × stroke		(in)	4-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	4.5 (275)	6.69 (408)	6.69 (408)
HYDRAULIC SYSTEM:			1 × Variable Piston	1 × Variable Piston	1 × Variable Piston
Hydraulic pump					
Max. oil flow		ltr.(U.S. Gal)/min.	308 (81.4)	288.4 (63.4)	288.4 (63.4)
Max. oil pressure (Implement)		kg/cm ² (PSI)	380 (5400)	380 (5400)	380 (5400)
WHEELS:	(front) (rear)		10.00-20-14PR × 4 10.00-20-14PR × 4	315/70 R22.5 × 4 315/70 R22.5 × 4	315/70 R22.5 × 4 315/70 R22.5 × 4
CAPACITY (Refilled):		ltr. (U.S. Gal)	290 (76.6)	310 (81.9)	310 (81.9)
Fuel tank			166 (43.9)	167 (44.1)	167 (44.1)
Hydraulic oil tank					
MACHINE SPEC:					
Boom (2 piece boom length)		mm (ft.in)	5223 (17'2")	5350 (17'7")	5280 (17'4")
Arm		mm (ft.in)	2500 (8'2")	2600 (8'6")	2600 (8'6")
Bucket (SAE)		m ³ (cu.yd)	0.69 (0.90)	—	—
Front and rear equipment		—	2 outriggers + blade	2 outriggers + blade	2 outriggers + blade

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

** One piece boom

*** Two piece boom

T4i/S3B: EPA Tier 4 Interim equivalent and EU Stage 3B equivalent model

T4F/S4: EPA Tier 4 Final and EU Stage 4 model

Specifications

WHEEL-TYPE EXCAVATORS

Item	Model	PW180-10**	PW180-10***	
Emissions	kg (lb)	T4i/S3B	T4i/S3B	
OPERATING WEIGHT*	kg (lb)	18540 (40,870)	18730 (41,290)	
HORSEPOWER: ISO 14396 ISO 9249 Net	kW (HP)/RPM	123 (165)/2000 118 (158)/2000	123 (165)/2000 118 (158)/2000	
BUCKET CAPACITY RANGE (SAE)	m ³ (cu.yd)	0.38 ~ 1.13 (0.50) (1.48)	0.38 ~ 1.13 (0.50) (1.48)	
PERFORMANCE: Swing speed Travel speeds 1st or Creep 2nd or Lo 3rd or Hi 4th or Auto Maximum drawbar pull	RPM km/h (MPH) kg (lb)	11.5 2.5 (1.6) 9.2 (5.7) 35 (21.7) 0 ~ 35 (21.7) 10900 (24,030)	11.5 2.5 (1.6) 9.2 (5.7) 35 (21.7) 0 ~ 35 (21.7) 10900 (24,030)	
DIMENSIONS: See the page of DIMENSIONS				
ENGINE: Model No. of cylinders- bore × stroke Piston displacement	mm (in) ltr. (cu.in)	KOMATSU SAA6D107E-2 6-107 × 124 (4.21 × 4.88) 6.69 (408)	KOMATSU SAA6D107E-2 6-107 × 124 (4.21 × 4.88) 6.69 (408)	
HYDRAULIC SYSTEM: Hydraulic pump Max. oil flow Max. oil pressure (Implement)	 ltr.(U.S. Gal)/min. kg/cm ² (PSI)	1 × Variable Piston 288.4 (63.4) 380 (5400)	1 × Variable Piston 288.4 (63.4) 380 (5400)	
WHEELS: (front) (rear)		10.00-20-14PR × 4 10.00-20-14PR × 4	10.00-20-14PR × 4 10.00-20-14PR × 4	
CAPACITY (Refilled): Fuel tank Hydraulic oil tank	ltr. (U.S. Gal)	328 (86.7) 167 (44.1)	328 (86.7) 167 (44.1)	
MACHINE SPEC: Boom (2 piece boom length) Arm Bucket (SAE)	mm (ft.in) mm (ft.in) m ³ (cu.yd)	5350 (17'7") 2600 (8'6") —	5280 (17'4") 2600 (8'6") —	
Front and rear equipment	—	2 outriggers + blade	2 outriggers + blade	

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

** One piece boom

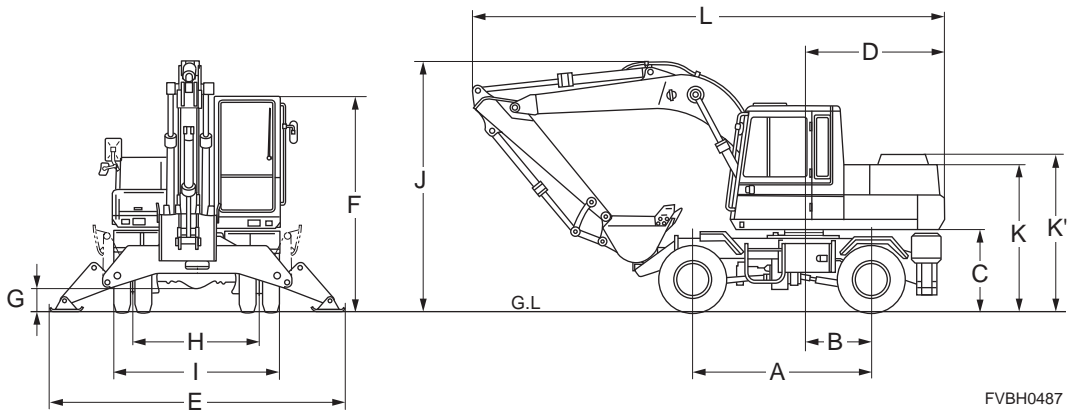
*** Two piece boom

T4i/S3B: EPA Tier 4 Interim equivalent and EU Stage 3B equivalent model

T4F/S4: EPA Tier 4 Final and EU Stage 4 model

Dimensions

WHEEL-TYPE EXCAVATORS



FVBH0487

Model	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (ft.in)	J mm (ft.in)	K, K' mm (ft.in)	L mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)	
PW98MR-10**	2200 (7'3")	1000 (3'3")	1120 (3'8")	1485 (4'10")	2350 (7'9")	3100 (10'2")	335 (1'1")	1810 (5'11")	2350 (7'9")	3860 (12'8")	2225 (7'4")	5940 (19'6")	3.86 (12'8")	1.65 (5'5")	
										3900 (12'10")		6070 (19'11")		1.9 (6'3")	
PW118MR-11**	2400 (7'10")	1200 (3'11")		1490 (4'11")	-	3150 (10'4")	-		2500 (8'2")	3995 (13'1")		6070 (19'11")	3.86 (12'8")	1.85 (6'1")	
															2.0 (6'7")
PW148-11*	2500 (8'2")	1250 (4'3")	1240 (4'1")	1850 (6'1")	3660 (12'0")	3200 (10'6")	340 (1'1")	1915 (6'3")	2550 (8'4")	3645 (12'0")	K: 2470 (8'6")	7120 (23'4")	4.6 (15'1")	2.1 (6'11")	
												3645 (12'0")		7120 (23'4")	2.5 (8'2")
												3665 (12'0")		7165 (23'6")	3.0*** (9'10")
PW148-11**	2500 (8'2")	1250 (4'3")	1240 (4'1")	1850 (6'1")	3660 (12'0")	3200 (10'6")	340 (1'1")	1915 (6'3")	2550 (8'4")	3910 (12'10")	K: 2470 (8'6")	5635 (18'6")	4.98 (16'1")	2.1 (6'11")	
												5635 (18'6")		2.5 (8'2")	
												6155 (20'2")		3.0*** (9'10")	
PW148-10*	2500 (8'2")	1250 (4'3")	1240 (4'1")	1850 (6'1")	3660 (12'0")	3205 (10'6")	340 (1'1")	1915 (6'3")	2550 (8'4")	3680 (12'1")	K': 2600 (8'6")	7120 (23'4")	4.6 (15'1")	2.1 (6'11")	
												7120 (23'4")		2.5 (8'2")	
												7160 (23'6")		3.0*** (9'10")	
PW148-10**	2500 (8'2")	1250 (4'3")	1240 (4'1")	1850 (6'1")	3660 (12'0")	3205 (10'6")	340 (1'1")	1915 (6'3")	2550 (8'4")	3910 (12'10")	K': 2600 (8'6")	5545 (18'2")	4.98 (16'1")	2.1 (6'11")	
														2.5 (8'2")	
														3.0*** (9'10")	
PW160-11*	2600 (9'6")	1300 (4'3")	1300 (4'3")	2195 (7'2")	3695 (12'1")	3230 (10'7")	350 (1'2")	1915 (6'3")	2550 (8'4")	3965 (13'0")	K': 2920 (9'7")	8020 (26'4")	5.3 (17'5")	2.1 (6'11")	
												8020 (26'4")		2.5 (8'2")	
												8075 (26'6")		3.0*** (9'10")	
PW160-11**	2600 (9'6")	1300 (4'3")	1300 (4'3")	2195 (7'2")	3695 (12'1")	3230 (10'7")	350 (1'2")	1915 (6'3")	2550 (8'4")	3995 (13'1")	K': 2920 (9'7")	6040 (19'10")	5.2 (17'1")	2.1 (6'11")	
												6085 (20'0")		2.5 (8'2")	
												6245 (20'6")		3.0*** (9'10")	

* One-piece boom

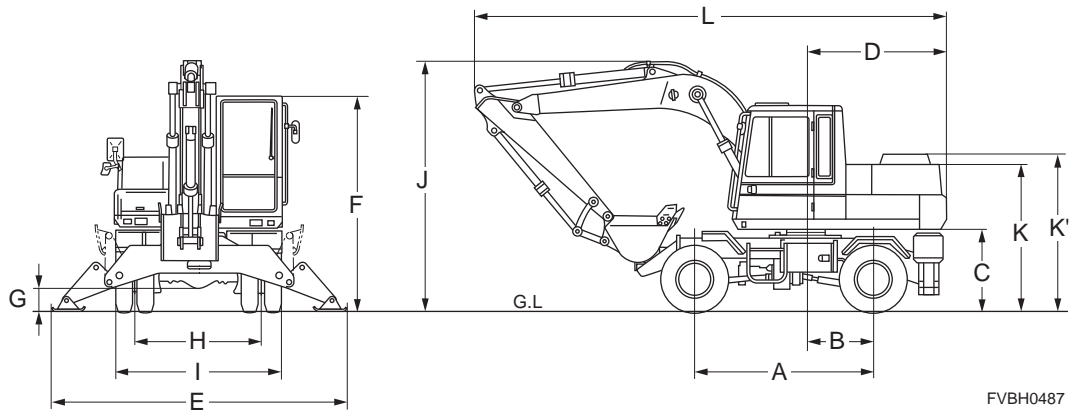
** Two-piece boom

*** Driving position without bucket

*4 2.75m (9'0") undercarriage spec.

Dimensions

WHEEL-TYPE EXCAVATORS



FVBH0487

Model	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (ft.in)	J mm (ft.in)	K, K' mm (ft.in)	L mm (ft.in)	Boom length m (ft.in)	Arm length m (ft.in)
PW160-10*	2600 (9'6")	1300 (4'3")	1265 (4'2")	2195 (7'2")	3660 (12'0")	3215 (10'7")	350 (1'2")	1915 (6'3")	2550 (8'4")	3215 (10'7")	K': 2580 (8'6")	8375 (27'6")	5.3 (17'5")	2.1 (6'11")
														2.5 (8'2")
														3.0*** (9'10")
PW160-10**	2600 (9'6")	1300 (4'3")	1265 (4'2")	2195 (7'2")	3660 (12'0")	3215 (10'7")	350 (1'2")	1915 (6'3")	2550 (8'4")	3970 (13'0")	K': 2580 (8'6")	6040 (19'10")	5.2 (17'1")	2.1 (6'11")
														2.5 (8'2")
														3.0*** (9'10")
PW180-11*	2600 (9'6")	1300 (4'3")	1310 (4'4")	2470 (7'2")	3695 (12'1")	3250 (10'8")	350 (1'2")	1915 (6'3")	2550 (8'4")	3565 (11'8")	K: 2490 (8'2")	8930 (29'4")	5.35 (17'7")	2.25 (7'5")
					3895* ⁴ (12'9")			2125* ⁴ (7'0")	2750* ⁴ (9'0")					2.6 (8'6")
					2.9*** (9'6")									
PW180-11**	2600 (9'6")	1300 (4'3")	1310 (4'4")	2470 (7'2")	3695 (12'1")	3250 (10'8")	350 (1'2")	1915 (6'3")	2550 (8'4")	3945 (12'11")	K: 2490 (8'2")	6740 (22'1")	5.28 (17'4")	2.25 (7'5")
					3895* ⁴ (12'9")			2125* ⁴ (7'0")	2750* ⁴ (9'0")					2.6 (8'6")
					6780 (22'3")			2.9*** (9'6")						
PW180-10*	2600 (9'6")	1300 (4'3")	1310 (4'4")	2470 (7'2")	3695 (12'1")	3240 (10'8")	350 (1'2")	1915 (6'3")	2550 (8'4")	3450 (11'4")	K': 2805 (9'2")	8935 (29'4")	5.35 (17'7")	2.25 (7'5")
					3895* ⁴ (12'9")			2125* ⁴ (7'0")	2750* ⁴ (9'0")					2.6 (8'6")
					2.9*** (9'6")									
PW180-10**	2600 (9'6")	1300 (4'3")	1310 (4'4")	2470 (7'2")	3695 (12'1")	3240 (10'8")	350 (1'2")	1915 (6'3")	2550 (8'4")	3925 (12'11")	K': 2805 (9'2")	6750 (22'2")	5.28 (17'4")	2.25 (7'5")
					3895* ⁴ (12'9")			2125* ⁴ (7'0")	2750* ⁴ (9'0")					2.6 (8'6")
					6720 (22'1")			2.9*** (9'6")						

* One-piece boom

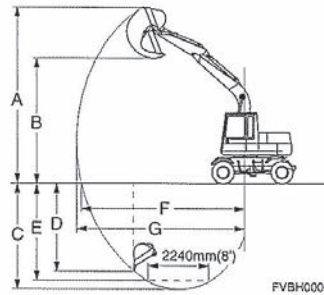
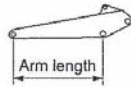
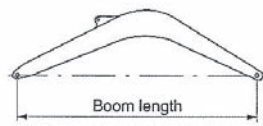
** Two-piece boom

*** Driving position without bucket

*⁴ 2.75m (9'0") undercarriage spec.

Working Ranges and Digging Force

WHEEL-TYPE EXCAVATORS



	Boom Length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	Bucket digging force*** kg (lb/kN)	Arm crowd force*** kg (lb/kN)
PW98MR-10**	3.86 (12'6")	1.65 (5'5")	8400 (27'7")	6330 (20'9")	4055 (13'4")	3415 (11'2")		7290 (23'11")	7585 (24'11")	3165 (10'5")	6250 (13,780/61.3)	4230 (9,330/41.5)
		1.9 (6'3")	8630 (28'4")	6525 (21'5")	4305 (14'1")	3650 (12'0")		7560 (24'10")	7835 (25'8")	3350 (11'0")		3800 (8380/37.2)
PW118MR-11**	3.86 (12'6")	1.85 (6'1")	8585 (28'2")	6515 (21'4")	4180 (13'9")	3355 (11'0")		7650 (21'1")	7950 (26'1")	3675 (12'15")	7310 (16,120/71.7)	4700 (10,360/46.1)
		2.0 (6'7")	8725 (28'8")	6649 (21'10")	4330 (14'2")	3500 (11'6")		7800 (25'7")	8100 (26'7")	3785 (12'5")		
PW148-11*	4.6 (15'1")	2.1 (6'11")	7980 (26'2")	5731 (18'10")	4462 (14'8")	3630 (11'11")	4025 (13'2")	7740 (25'5")	7907 (25'11")	2965 (9'9")	9490 (20,910/93)	8160 (17,990/80)
		2.5 (8'2")	8270 (27'2")	6020 (19'9")	4860 (15'11")	4005 (13'2")	4570 (15'0")	8140 (26'8")	8320 (27'4")	2910 (9'7")		6830 (15,070/67)
		3.0 (9'10")	8703 (28'7")	6447 (21'2")	5362 (17'7")	4470 (14'8")	4955 (16'3")	8640 (28'4")	8807 (28'11")	2925 (9'7")		5710 (12,590/56)
PW148-11**	4.98 (16'1")	2.1 (6'11")	9228 (30'3")	6844 (22'5")	4845 (15'11")	3555 (11'8")	4515 (14'10")	7740 (25'5")	8268 (26'0")	2590 (8'6")	9490 (20,910/93)	8160 (17,990/80)
		2.5 (8'2")	9518 (31'3")	7133 (23'5")	5245 (17'2")	4000 (13'1")	4935 (16'2")	8140 (26'8")	8681 (28'6")	2670 (8'9")		6830 (15,070/67)
		3.0 (9'10")	9951 (32'8")	7562 (24'10")	5745 (18'10")	4495 (14'9")	5460 (17'11")	8640 (28'4")	9000 (29'6")	2864 (9'5")		5710 (12,590/56)
PW148-10*	4.6 (15'1")	2.1 (6'11")	7980 (26'2")	5731 (18'10")	4462 (14'8")	3630 (11'11")	4025 (13'2")	7740 (25'5")	7928 (26'0")	2965 (9'9")	9490 (20,910/93)	8160 (17,990/80)
		2.5 (8'2")	8270 (27'2")	6020 (19'9")	4860 (15'11")	4005 (13'2")	4570 (15'0")	8140 (26'8")	8290 (27'2")	2910 (9'7")		6830 (15,070/67)
		3.0 (9'10")	8703 (28'7")	6449 (21'2")	5362 (17'7")	4470 (14'8")	4955 (16'3")	8640 (28'4")	8775 (28'9")	2925 (9'7")		5710 (12,590/56)
PW148-10**	4.98 (16'1")	2.1 (6'11")	9228 (30'3")	6844 (22'5")	4845 (15'11")	3555 (11'8")	4515 (14'10")	7740 (25'5")	8268 (26'0")	2590 (8'6")	9490 (20,910/93)	8160 (17,990/80)
		2.5 (8'2")	9518 (31'3")	7133 (23'5")	5245 (17'2")	4000 (13'1")	4935 (16'2")	8140 (26'8")	8681 (28'6")	2670 (8'9")		6830 (15,070/67)
		3.0 (9'10")	9951 (32'8")	7562 (24'10")	5745 (18'10")	4495 (14'9")	5460 (17'11")	8640 (28'4")	9000 (29'6")	2864 (9'5")		5710 (12,590/56)
PW160-11*	5.3 (17'5")	2.1 (6'11")	8730 (28'8")	6335 (20'9")	4925 (16'2")			8620 (28'3")	8640 (28'4")	3205 (10'6")	10400 (22,940/102)	7750 (17,090/76)
		2.5 (8'2")	8930 (29'4")	6555 (21'6")	5320 (17'5")			8885 (29'2")	9070 (29'9")	3160 (10'4")		6530 (14,390/64)
		3.0 (9'10")	9285 (30'6")	6911 (22'8")	5600 (18'4")			9315 (30'7")	9485 (31'1")	3180 (10'5")		5410 (11,920/53)
PW160-11**	5.22 (17'2")	2.1 (6'11")	9611 (31'6")	7135 (23'5")	4968 (16'4")			8343 (27'4")	8533 (28'0")	2330 (7'8")	10400 (22,940/102)	7750 (17,090/76)
		2.5 (8'2")	9910 (32'6")	7433 (24'5")	5365 (17'7")			8715 (28'7")	8905 (29'3")	2423 (7'11")		6530 (14,390/64)
		3.0 (9'10")	10337 (33'11")	7860 (25'9")	5861 (19'3")			9224 (30'3")	9397 (30'10")	2979 (9'9")		5410 (11,920/53)
PW160-10*	5.3 (17'5")	2.1 (6'11")	8730 (28'8")	6335 (20'9")	4925 (16'2")		4077 (13'5")	8620 (28'3")	8640 (28'4")	3205 (10'6")	10400 (22,940/102)	7750 (17,090/76)
		2.5 (8'2")	8930 (29'4")	6555 (21'6")	5320 (17'5")		4477 (14'8")	8885 (29'2")	9070 (29'9")	3160 (10'4")		6530 (14,390/64)
		3.0 (9'10")	9285 (30'6")	6911 (22'8")	5600 (18'4")		4977 (16'4")	9315 (30'7")	9485 (31'1")	3180 (10'5")		5410 (11,920/53)

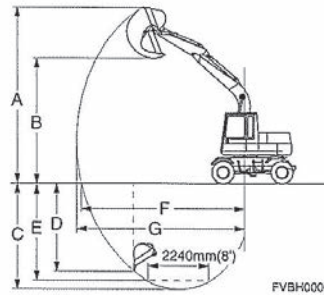
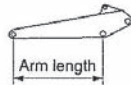
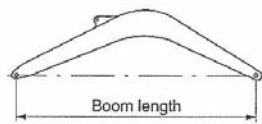
* One piece boom

** Two piece boom

*** Using power max function, expect PW98MR and PW118MR, ISO rating

Working Ranges and Digging Force

WHEEL-TYPE EXCAVATORS



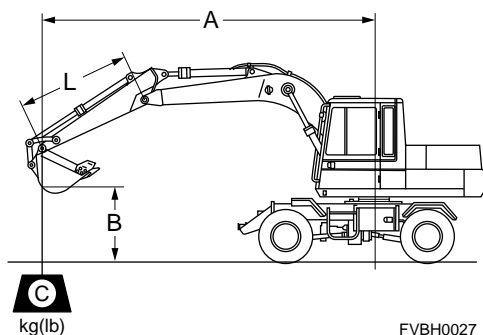
FVBH0006

	Boom Length m (ft.in)	Arm length m (ft.in)	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	Bucket digging force*** kg (lb/kN)	Arm crowd force*** kg (lb/kN)
PW160-10**	5.22 (17'2")	2.1 (6'11")	9611 (31'6")	7135 (23'5")	4968 (16'4")		4660 (15'3")	8343 (27'4")	8533 (28'0")	2330 (7'8")	10400 (22,940/102)	7750 (17,090/76)
		2.5 (8'2")	9910 (32'6")	7433 (24'5")	5365 (17'7")		5062 (16'7")	8715 (28'7")	8905 (29'3")	2423 (7'11")		6530 (14,390/64)
		3.0 (9'10")	10337 (33'11")	7860 (25'9")	5861 (19'3")		5562 (18'3")	9224 (30'3")	9397 (30'10")	2979 (9'9")		5410 (11,920/53)
PW180-11*	5.35 (17'7")	2.25 (7'5")	9458 (31'0")	6915 (22'8")	5321 (17'5")			8907 (29'3")	9061 (29'9")	3543 (11'7")	12500 (27,560/123)	8690 (21,360/95)
		2.6 (8'6")	9562 (31'4")	7064 (23'2")	5676 (18'7")			9227 (30'3")	9345 (30'8")	3829 (12'7")		8980 (19,790/88)
		2.9 (9'6")	9756 (32'0")	7236 (23'9")	5966 (19'7")			9509 (31'2")	9929 (32'7")	4057 (13'4")		8060 (17,760/79)
PW180-11**	5.28 (17'4")	2.25 (7'5")	9942 (32'7")	7283 (23'11")	5400 (17'9")			8907 (29'3")	9080 (29'9")	3065 (10'1")	12500 (27,560/123)	8690 (21,360/95)
		2.6 (8'6")	10129 (33'3")	7489 (24'7")	5742 (18'10")			9227 (30'3")	9401 (30'10")	3311 (10'10")		8980 (19,790/88)
		2.9 (9'6")	10350 (33'11")	7709 (25'4")	6044 (19'10")			9509 (31'2")	9683 (31'9")	3511 (11'6")		8060 (17,760/79)
PW180-10*	5.35 (17'7")	2.25 (7'5")	9458 (31'0")	6915 (22'8")	5321 (17'5")			8876 (29'1")	9061 (29'9")	3543 (11'7")	12500 (27,560/123)	8690 (21,360/95)
		2.6 (8'6")	9562 (31'4")	7064 (23'2")	5676 (18'7")			9170 (30'1")	9345 (30'8")	3829 (12'7")		8980 (19,790/88)
		2.9 (9'6")	9756 (32'0")	7236 (23'9")	5966 (19'7")			9759 (32'0")	9929 (32'7")	4057 (13'4")		8060 (17,760/79)
PW180-10**	5.28 (17'4")	2.25 (7'5")	9942 (32'7")	7283 (23'11")	5400 (17'9")			8907 (29'3")	9080 (29'9")	3065 (10'1")	12500 (27,560/123)	8690 (21,360/95)
		2.6 (8'6")	10129 (33'3")	7489 (24'7")	5742 (18'10")			9227 (30'3")	9401 (30'10")	3311 (10'10")		8980 (19,790/88)
		2.9 (9'6")	10350 (33'11")	7709 (25'4")	6044 (19'10")			9509 (31'2")	9683 (31'9")	3511 (11'6")		8060 (17,760/79)

* One piece boom

** Two piece boom

*** Using power max function, expect PW98MR and PW118MR, ISO rating



- A : Reach from swing center
- B : Bucket hook height
- C : Lifting capacity
- Cf : Rating over front
- Cs : Rating over side
- MAX : Rating at maximum reach
- L : Arm length

FVBH0027

PW98MR-10 (Two-piece boom)

Conditions:

Bucket (SAE): 0.235 m³ (650 mm bucket, weight 185 kg)

unit: kg

	Max.		6.0 m		5.0 m		4.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1650 mm With blade and outriggers above ground								
4.5 m	1150	750	1220	810	*1550	1200	*1720	*1720
3.0 m	970	620	1200	790	1650	1110	*2370	1610
1.5 m	940	590	1140	740	1540	1010		
0.0 m	1020	660	1130	720	1490	960	2110	1350
-1.5 m	*1290	860			1530	1000	2170	1400
Arm length 1900 mm With blade and outriggers above ground								
4.5 m	1070	690	1240	830	*1460	1220	*1580	*1580
3.0 m	910	580	1200	790	1670	1120	*2230	1650
1.5 m	880	550	1140	740	1540	1010		
0.0 m	950	600	1110	710	1470	940	2090	1330
-1.5 m	1190	770			1500	960	2130	1360
Arm length 1650 mm With front and rear outriggers on ground								
4.5 m	*1570	1070	*1540	1140	*1600	*1600	*1760	*1760
3.0 m	*1520	910	*1620	1110	*1890	1540	*2430	2230
1.5 m	*1500	870	*1760	1060	*2220	1430		
0.0 m	*1470	950	*1740	1050	*2290	1380	*3140	1950
-1.5 m	*1330	1220			*1900	1420	*2620	2000
Arm length 1900 mm With front and rear outriggers on ground								
4.5 m	*1470	990	*1440	1160	*1500	*1500	*1620	*1610
3.0 m	*1400	850	*1550	1120	*1810	1550	*2290	2260
1.5 m	*1420	810	*1720	1060	*2160	1430		
0.0 m	*1390	880	*1750	1030	*2290	1370	*3140	1920
-1.5 m	*1280	1110			*1900	1390	*2730	1960
Arm length 1650 mm With front blade and outriggers on ground								
4.5 m	1570	1110	1540	1180	1600	1600	1760	1760
3.0 m	1520	940	1620	1160	1890	1590	2430	2300
1.5 m	1500	910	1760	1110	2220	1480		
0.0 m	1470	990	1740	1090	2290	1430	3140	2020
-1.5 m	1330	1270			1900	1470	2620	2070
Arm length 1900 mm With front blade and outriggers on ground								
4.5 m	*1470	1030	*1440	1200	*1500	*1500	*1620	*1620
3.0 m	*1400	880	*1550	1160	*1810	1610	*2290	*2290
1.5 m	*1420	850	*1720	1100	*2160	1480		
0.0 m	*1390	920	*1750	1070	*2290	1420	*3140	2000
-1.5 m	*1280	1150			*1990	1440	*2730	2030

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW118MR-11 (Two-piece boom)

Conditions: Without bucket

unit: kg

	Max.		6.0 m		5.0 m		4.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 1850 mm Without stabilizer								
4.5 m	1950	1320	*2200	1550	*2350	*2350		
3.0 m	1750	1200	2250	1500				
1.5 m	1700	1200	2200	1450				
0.0 m	1800	1200	2150	1400	3200	2100		
-1.5 m	*1850	1500	*2050	1500	3250	2050	*4900	3800
Arm length 2000 mm Without stabilizer								
4.5 m	1850	1250	*2100	1600	*2250	*2250		
3.0 m	1700	1150	2250	1500				
1.5 m	1650	1100	2200	1450				
0.0 m	1800	1200	2150	1400	3200	2100		
-1.5 m	*1800	1400	2200	1450	3250	2100	*4550	3750
Arm length 1850 mm With front or rear blade on ground								
4.5 m	*2050	1600	*2200	1900	*2350	*2350		
3.0 m	*1900	1400	*2400	1800				
1.5 m	*1900	1400	2500	1800				
0.0 m	*2000	1500	2450	1750	3650	2550		
-1.5 m	*1850	1800	*2050	1800	*3500	2550	*4900	4650
Arm length 2000 mm With front or rear blade on ground								
4.5 m	*1900	1500	*2100	1900				
3.0 m	*1750	1350	*2350	1800				
1.5 m	*1700	1350	2500	1800				
0.0 m	*1850	1450	*2450	1750	3650	2550		
-1.5 m	*1800	1700	*2300	1750	*3600	2550	*4550	*4550
Arm length 1850 mm With front outrigger on ground								
4.5 m	*2050	1300	*2200	1550	*2350	*2350		
3.0 m	*1900	1150	*2400	1500				
1.5 m	*1900	1150	*2700	1450				
0.0 m	*2000	1200	*2700	1400	*4050	2050		
-1.5 m	*1850	1500	*2050	1500	*3500	2100	*4900	3700
Arm length 2000 mm With front outrigger on ground								
4.5 m	*1900	1250	*2100	1550	*2250	*2250		
3.0 m	*1750	1100	*2350	1500				
1.5 m	*1700	1100	*2650	1450				
0.0 m	*1850	1200	*2700	1400	*4050	2050		
-1.5 m	*1800	1400	*2300	1450	*3600	2050	*4550	3700

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW148-11 (One-piece boom), PW148-10 (One-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm Without stabilizer										
7.5 m										
6.0 m	*2850	2400								
4.5 m	2500	1850			2800	2100	4500	3300		
3.0 m	2150	1650			2800	2000	4350	3000	8300	5700
1.5 m	2100	1500			2700	1950	4050	2950		
0.0 m	2150	1600			2600	1900	3750	2800	7350	4900
-1.5 m	2450	1750			2550	1800	3900	2700	7350	4900
-3.0 m	3300	2250					3900	2700	*6550	5000
Arm length 2500 mm Without stabilizer										
7.5 m										
6.0 m	*2350	2150			*2550	2150				
4.5 m	*2250	1700			2850	2100				
3.0 m	2100	1500			2750	2100	4350	3200	*8050	5900
1.5 m	1950	1400			2550	1950	4100	3000	7800	5200
0.0 m	2000	1450			2600	1850	3850	2700	7350	4800
-1.5 m	2200	1600			2550	1850	3850	2700	7350	4850
-3.0 m	2700	2000					3900	2750	7400	4950
Arm length 3000 mm Without stabilizer										
7.5 m	*2300	*2300								
6.0 m	*2000	1800			2900	2150				
4.5 m	*1850	1450			2850	2100				
3.0 m	1800	1300	1950	1400	2700	2050	4400	3200		
1.5 m	1750	1200	1850	1350	2700	1950	4100	2900	7850	5250
0.0 m	1700	1250	1800	1350	2550	1800	3700	2700	7300	4800
-1.5 m	1850	1350			2400	1750	3750	2600	7150	4650
-3.0 m	2300	1650			2500	1750	3600	2600	7200	4650

Arm length 2100 mm With front or rear blade										
7.5 m										
6.0 m	*2850	2800								
4.5 m	2600	2150			3000	2450	5050	3900		
3.0 m	2550	1950			2850	2400	4800	3650	*8850	6750
1.5 m	2400	1800			3050	2300	4600	3450		
0.0 m	2250	1850			2700	2250	4050	3300	*7700	5850
-1.5 m	2650	2100			2950	2250	4350	3250	8300	5850
-3.0 m	3300	2750					4450	3300	*6550	6000
Arm length 2500 mm With front or rear blade										
7.5 m										
6.0 m	*2350	*2400			*2550	2500				
4.5 m	*2250	2000			3050	2500				
3.0 m	*2250	1800			3000	2400	4900	3750	*8850	6900
1.5 m	2250	1700			3000	2300	4650	3450	8700	6200
0.0 m	2050	1750			3000	2250	4450	3300	*8150	5900
-1.5 m	2550	1950			2550	2200	4350	3250	8300	5850
-3.0 m	3200	2400					4400	3250	*7550	5900
Arm length 3000 mm With front or rear blade										
7.5 m	*2300	*2300								
6.0 m	*2000	*2000			3300	2550				
4.5 m	*1850	1750			3250	2500				
3.0 m	*1850	1550	2050	1650	3150	2400	4900	3750		
1.5 m	*1950	1500	1950	1650	3000	2250	4600	3450	8750	6300
0.0 m	1850	1500	1950	1550	2900	2150	4350	3200	8250	5800
-1.5 m	2150	1650			2550	2100	3950	3100	8100	5650
-3.0 m	2550	2000			2850	2100	4250	3100	8150	5700

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW148-11 (One-piece boom), PW148-10 (One-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With rear outrigger										
7.5 m										
6.0 m	*2850	*2850								
4.5 m	*2700	*2650			3450	3150	*5150	4900		
3.0 m	*2700	2450			3400	3050	5200	4700	*8850	*8850
1.5 m	2500	2350			3200	3000	4700	4450		
0.0 m	2550	2400			3100	2900	4800	4300	*7700	*7700
-1.5 m	2900	2700			2950	2850	4750	4250	9000	8000
-3.0 m	*3500	*3500					*4600	4300	*6550	*6550
Arm length 2500 mm With rear outrigger										
7.5 m										
6.0 m	*2350	*2350			*2550	*2550				
4.5 m	*2250	*2250			3500	3150				
3.0 m	*2250	2250			3450	3100	5050	4750	*8050	*8050
1.5 m	*2350	2200			3250	3000	5000	4500	9350	8400
0.0 m	2500	2250			3100	2900	4800	4350	*8150	8000
-1.5 m	2750	2500			3150	2850	4450	4250	8900	8000
-3.0 m	3450	3150					4750	4250	*7550	*7550
Arm length 3000 mm With rear outrigger										
7.5 m	*2300	*2300								
6.0 m	*2000	*2000			*3300	3200				
4.5 m	*1850	*1850			3300	3150				
3.0 m	*1850	*1850	2150	2150	3400	3050	4950	4800		
1.5 m	*1950	1950	2350	2100	3250	2950	4650	4500	9450	8450
0.0 m	2100	1950	2100	2050	3150	2850	4750	4250	*8600	7950
-1.5 m	2250	2150			2850	2750	4600	4100	8750	7800
-3.0 m	2900	2600			2850	2750	4600	4100	*8400	7850

Arm length 2100 mm With outrigger and blade										
7.5 m										
6.0 m	*2850	*2850								
4.5 m	*2700	*2700			*4050	3950	*5150	*5150		
3.0 m	*2700	*2700			*4850	3900	*6050	*6000	*8850	*8850
1.5 m	*2800	*2800			*5100	3750	*6800	5800		
0.0 m	*3150	3100			*5100	3700	*7050	5600	*7700	*7700
-1.5 m	*3900	3450			*4450	3650	*6400	5550	*9200	*9200
-3.0 m	*3500	*3500					*4600	*4600	*6550	*6550
Arm length 2500 mm With outrigger and blade										
7.5 m										
6.0 m	*2350	*2350			*2550	*2550				
4.5 m	*2250	*2250			*4150	4000				
3.0 m	*2250	*2250			*4700	3900	*5700	*5700	*8050	*8050
1.5 m	*2350	*2350			*5050	3800	*6650	5850	*10050	*10050
0.0 m	*2650	*2650			*5150	3700	*7050	5650	*8150	*8150
-1.5 m	*3150	*3150			*4750	3650	*6700	5550	*9800	*9800
-3.0 m	*3600	*3600					*5250	*5250	*7550	*7550
Arm length 3000 mm With outrigger and blade										
7.5 m	*2300	*2300								
6.0 m	*2000	*2000			*3300	*3300				
4.5 m	*1850	*1850			*3950	*3950				
3.0 m	*1850	*1850	*3050	2700	*4350	3900	*5150	*5150		
1.5 m	*1950	*1950	*3600	2700	*4750	3750	*6200	5850	*9750	*9750
0.0 m	*2100	*2100	*3350	2650	*5050	3600	*6850	5550	*8600	*8600
-1.5 m	*2500	*2500			*4850	3550	*6750	5450	*10250	*10250
-3.0 m	*3300	*3300			*3850	3600	*5700	5400	*8400	*8400

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW148-11 (One-piece boom), PW148-10 (One-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With front and rear outrigger										
7.5 m										
6.0 m	*2850	*2850								
4.5 m	*2700	*2700			*4050	*4050	*5150	*5150		
3.0 m	*2700	*2700			*4850	*4850	*6050	*6050	*8850	*8850
1.5 m	*2800	*2800			*5100	4800	*6800	6800		
0.0 m	*3150	*3150			*5100	4700	*7050	*7050	*7700	*7700
-1.5 m	*3900	*3900			*4450	*4450	*6400	*6400	*9200	*9200
-3.0 m	*3500	*3500					*4600	*4600	*6550	*6550
Arm length 2500 mm With front and rear outrigger										
7.5 m										
6.0 m	*2350	*2350			*2550	*2550				
4.5 m	*2250	*2250			*4150	*4150				
3.0 m	*2250	*2250			*4700	*4700	*5700	*5700	*8050	*8050
1.5 m	*2350	*2350			*5050	4800	*6650	*6650	*10050	*10050
0.0 m	*2650	*2650			*5150	4700	*7050	*7050	*8150	*8150
-1.5 m	*3150	*3150			*4750	4650	*6700	*6700	*9800	*9800
-3.0 m	*3600	*3600					*5250	*5250	*7550	*7550
Arm length 3000 mm With front and rear outrigger										
7.5 m	*2300	*2300								
6.0 m	*2000	*2000			*3300	*3300				
4.5 m	*1850	*1850			*3950	*3950				
3.0 m	*1850	*1850	*3050	*3050	*4350	*4350	*5150	*5150		
1.5 m	*1950	*1950	*3600	3400	*4750	*4750	*6200	*6200	*9750	*9750
0.0 m	*2100	*2100	*3350	3300	*5050	4450	*6850	*6850	*8600	*8600
-1.5 m	*2500	*2500			*4850	4550	*6750	*6750	*10250	*10250
-3.0 m	*3300	*3300			*3850	*3850	*5700	*5700	*8400	*8400

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW148-11 (Two-piece boom), PW148-10 (Two-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm Without stabilizer										
7.5 m	*3550	3300					*3700	3300		
6.0 m	2850	2100			2850	2100	*4050	3450		
4.5 m	2250	1650			2800	2100	4500	3300		
3.0 m	1950	1500			2700	2000	4250	3050		
1.5 m	1950	1350			2550	1900	4000	2700		
0.0 m	1950	1450			2550	1800	3850	2700		
-1.5 m	2200	1600			2550	1800	3800	2650	7250	4800
-3.0 m										
Arm length 2500 mm Without stabilizer										
7.5 m	*2850	2750					*3950	3300		
6.0 m	*2400	1850			2950	2150				
4.5 m	2100	1500			2900	2100	4350	3350		
3.0 m	1800	1350	1950	1400	2800	2050	4350	3150		
1.5 m	1800	1300	1950	1400	2550	1900	4050	2850		
0.0 m	1800	1350	1900	1350	2550	1800	3600	2700	*5450	4750
-1.5 m	2050	1450			2550	1800	3800	2650	7200	4700
-3.0 m	2650	1850					3750	2700		
Arm length 3000 mm Without stabilizer										
7.5 m	*2300	2150								
6.0 m	*2000	1600			2950	2150				
4.5 m	1800	1300	1950	1400	2850	2100	*3850	3400		
3.0 m	1650	1200	1950	1350	2700	2000	4150	3150		
1.5 m	1550	1100	1850	1350	2600	1850	4050	2850		
0.0 m	1600	1150	1800	1250	2400	1700	3750	2600	*5700	4650
-1.5 m	1700	1200	1800	1250	2300	1700	3650	2550	7000	4550
-3.0 m	2100	1500			2350	1650	3650	2550	7050	4600

Arm length 2100 mm With front or rear blade										
7.5 m	*3550	*3550					*3700	*3650		
6.0 m	*2900	2400			*3050	2450	*4050	3950		
4.5 m	2550	1950			3200	2450	5000	3800		
3.0 m	2100	1750			3100	2350	4750	3600		
1.5 m	2050	1650			3000	2250	4500	3350		
0.0 m	2100	1700			2700	2200	4350	3200		
-1.5 m	2250	1900			2900	2150	4300	3150	8250	5750
-3.0 m										

Arm length 2500 mm With front or rear blade										
7.5 m	*2850	*2850					*3950	*3950		
6.0 m	*2400	2200			3300	2550				
4.5 m	2250	1800			3250	2500	4750	3900		
3.0 m	2150	1650	2100	1700	3000	2400	4800	3650		
1.5 m	2100	1550	2200	1650	2750	2250	4550	3400		
0.0 m	2100	1600	1950	1650	2650	2200	4350	3200	*5450	*5450
-1.5 m	2100	1750			2700	2150	4300	3150	8150	5700
-3.0 m	3000	2250					4350	3200		

Arm length 3000 mm With front or rear blade										
7.5 m	*2300	*2300								
6.0 m	*2000	1850			3150	2550				
4.5 m	*1900	1550	2150	1650	3250	2450	*3850	*3850		
3.0 m	1650	1400	2100	1650	3100	2350	4850	3650		
1.5 m	1800	1350	2100	1600	2850	2250	4200	3350		
0.0 m	1850	1350	2100	1500	2850	2100	4300	3150	*5700	5600
-1.5 m	2000	1500	2050	1500	2700	2050	4200	3000	*7800	5550
-3.0 m	2100	1800			2800	2050	4200	3000	*7800	5600

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW148-11 (Two-piece boom), PW148-10 (Two-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With rear outrigger										
7.5 m	*3550	*3550					*3700	*3650		
6.0 m	*2900	*2950			*3050	*3000	*4050	*4000		
4.5 m	*2700	2500			3450	3150	5000	4900		
3.0 m	2400	2250			3300	3000	5100	4650		
1.5 m	2350	2150			3200	2900	4850	4350		
0.0 m	2400	2250			3100	2850	4700	4200		
-1.5 m	2750	2500			3150	2850	4650	4200	*8500	7950
-3.0 m										

Arm length 2500 mm With rear outrigger										
7.5 m	*2850	*2850					*3950	*3950		
6.0 m	*2400	*2400			3500	3200				
4.5 m	*2300	*2300			3500	3150	*4950	*4950		
3.0 m	*2250	2100	2400	2200	3400	3050	5200	4700		
1.5 m	2250	2000	2400	2100	3300	2950	4900	4400		
0.0 m	2250	2100	2350	2100	3150	2850	4700	4200	*5450	*5450
-1.5 m	2550	2250			2950	2800	4650	4200	8100	7850
-3.0 m	3200	2900					4700	4200		

Arm length 3000 mm With rear outrigger										
7.5 m	*2300									
6.0 m	*2000				3550	3200				
4.5 m	*1900		2400	2150	3450	3150	*3850	*3850		
3.0 m	*1850		2400	2100	3350	3000	5200	4700		
1.5 m	*1900		2300	2100	3200	2850	4900	4400		
0.0 m	2000		2250	2000	3100	2750	4650	4150	*5700	*5700
-1.5 m	2200		2250	2000	3000	2700	4500	4050	*7800	7650
-3.0 m	2600				2850	2700	4250	4050	*7800	7700

Arm length 2100 mm With outrigger and blade										
7.5 m	*3550	*3550					*3700	*3700		
6.0 m	*2900	*2900			*3050	*3050	*4050	*4050		
4.5 m	*2700	*2700			*4100	3950	*5200	*5200		
3.0 m	*2700	*2700			*4350	3850	*5850	*5850		
1.5 m	*2750	2700			*4700	3750	*6850	5700		
0.0 m	*3050	2850			*5050	3650	*6900	5550		
-1.5 m	*3550	3150			*4450	3600	*6200	5500	*8500	*8500
-3.0 m										

Arm length 2500 mm With outrigger and blade										
7.5 m	*2850	*2850					*3950	*3950		
6.0 m	*2400	*2400			*3750	*3750				
4.5 m	*2300	*2300			*4000	*4000	*4950	*4950		
3.0 m	*2250	*2250	*3350	2650	*4200	3900	*5600	*5600		
1.5 m	*2350	*2350	*3600	2700	*4600	3750	*6600	5750		
0.0 m	*2550	*2550	*3350	2700	*5000	3650	*6950	5550	*5450	*5450
-1.5 m	*2950	*2900			*4700	3600	*6450	5500	*8600	*8600
-3.0 m	*3400	*3400					*5100	*5050		

Arm length 3000 mm With outrigger and blade										
7.5 m	*2300	*2300								
6.0 m	*2000	*2000			*3700	*3700				
4.5 m	*1900	*1900	*3000	2700	*3750	*3750	*3850	*3850		
3.0 m	*1850	*1850	*3250	2700	*4000	3850	*5200	*5200		
1.5 m	*1900	*1900	*3350	2650	*4300	3700	*6050	5750		
0.0 m	*2050	*2050	*3600	2600	*4700	3600	*6800	5500	*5700	*5700
-1.5 m	*2350	*2350	*3250	2550	*4750	3500	*6550	5400	*7800	*7800
-3.0 m	*2800	*2800			*3850	3550	*5550	5400	*7800	*7800

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW148-11 (Two-piece boom), PW148-10 (Two-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With outrigger and blade										
7.5 m	*3550	*3550					*3700	*3700		
6.0 m	*2900	*2900			*3050	*3050	*4050	*4050		
4.5 m	*2700	*2700			*4100	*4100	*5200	*5200		
3.0 m	*2700	*2700			*4350	*4350	*5850	*5850		
1.5 m	*2750	*2750			*4700	*4700	*6850	*6850		
0.0 m	*3050	*3050			*5050	4350	*6900	*6900		
-1.5 m	*3550	*3550			*4450	*4450	*6200	*6200	*8500	*8500
-3.0 m										
Arm length 2500 mm With outrigger and blade										
7.5 m	*2850	*2850					*3950	*3950		
6.0 m	*2400	*2400			*3750	*3750				
4.5 m	*2300	*2300			*4000	*4000	*4950	*4950		
3.0 m	*2250	*2250	*3350	*3350	*4200	*4200	*5600	*5600		
1.5 m	*2350	*2350	*3600	3300	*4600	*4600	*6600	*6600		
0.0 m	*2550	*2550	*3350	*3350	*5000	4650	*6950	*6950	*5450	*5450
-1.5 m	*2950	*2900			*4700	4650	*6450	*6450	*8600	*8600
-3.0 m	*3400	*3400					*5100	*5100		
Arm length 3000 mm With outrigger and blade										
7.5 m	*2300	*2300								
6.0 m	*2000	*2000			*3700	*3700				
4.5 m	*1900	*1900	*3000	*3000	*3750	*3750	*3850	*3850		
3.0 m	*1850	*1850	*3250	*3250	*4000	*4000	*5200	*5200		
1.5 m	*1900	*1900	*3350	3150	*4300	*4300	*6050	*6050		
0.0 m	*2050	*2050	*3600	3050	*4700	4600	*6800	*6800	*5700	*5700
-1.5 m	*2350	*2350	*3250	3050	*4750	4250	*6550	*6550	*7800	*7800
-3.0 m	*2800	*2800			*3850	*3850	*5550	*5550	*7800	*7800

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW160-11 (One-piece boom), PW160-10 (One-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm Without stabilizer										
7.5 m	*2850	*2850								
6.0 m	*2500	*2500			3850	2800				
4.5 m	*2400	2100			3750	2750	5850	4200		
3.0 m	*2400	1850	2650	1900	3650	2650	5550	3900		
1.5 m	2500	1800	2600	1850	3550	2550	5000	3650		
0.0 m	2550	1850			3450	2400	5100	3500	*4300	*4300
-1.5 m	2700	2050			3400	2400	5100	3450	*8350	6200
-3.0 m	3550	2550					5100	3550	*6850	6300
-4.5 m										
Arm length 2500 mm Without stabilizer										
7.5 m	*2350	*2350								
6.0 m	*2050	*2050			*3700	2850				
4.5 m	*2050	1950	*2350	1950	3800	2800	*5050	4250		
3.0 m	*2050	1750	2650	1900	3700	2650	5600	4000		
1.5 m	*2150	1650	2600	1850	3550	2550	5300	3700		
0.0 m	*2350	1700	2550	1800	3450	2400	5100	3500	*4800	*4800
-1.5 m	2600	1850			3400	2400	5050	3450	*7800	6150
-3.0 m	3150	2250			3400	2400	5100	3450	*7900	6250
-4.5 m										
Arm length 3000 mm Without stabilizer										
7.5 m	*1900	*1900			*2500	*2500				
6.0 m	*1700	*1700			*3350	2850				
4.5 m	*1700	1650	2700	1950	3800	2750				
3.0 m	*1700	1500	2600	1850	3650	2600	5650	4000	*9550	7250
1.5 m	*1750	1500	2550	1800	3500	2450	5300	3650		
0.0 m	*1950	1500	2450	1750	3350	2350	5050	3450	*5050	*5050
-1.5 m	*2250	1600	2400	1700	3300	2300	4950	3350	*7050	5950
-3.0 m	2700	1900			3300	2250	4950	3300	*8950	6000
-4.5 m	*2700	2600					*4050	3450	*5550	*5550
Arm length 2100 mm With front or rear blade										
7.5 m	*2850	*2850								
6.0 m	*2500	*2500			*3850	3200				
4.5 m	*2400	2400			*5250	3150	*6250	4800		
3.0 m	*2400	2150	*3000	2200	*5650	3050	*7350	4500		
1.5 m	*2550	2100	*3850	2150	*5950	2900	*8150	4250		
0.0 m	*2850	2150			*5900	2850	*8050	4100	*4300	*4300
-1.5 m	*3400	2350			*5300	2800	*7150	4050	*8350	7350
-3.0 m	*3550	2900					*5400	4150	*6850	*6900
-4.5 m										
Arm length 2500 mm With front or rear blade										
7.5 m	*2350	*2350								
6.0 m	*2050	*2050			*3700	3250				
4.5 m	*2050	*2000	*2350	2250	*4650	3150	*5050	4850		
3.0 m	*2050	2000	*3700	2200	*5450	3050	*7000	4600		
1.5 m	*2150	1950	*4500	2150	*5850	2900	*8000	4300		
0.0 m	*2350	1950	*4400	2100	*5950	2850	*8150	4100	*4800	*4800
-1.5 m	*2800	2150			*5450	2750	*7450	4050	*7800	7300
-3.0 m	*3600	2600			*4150	2800	*5950	4050	*7900	7400
-4.5 m										
Arm length 3000 mm With front or rear blade										
7.5 m	*1900	*1900			*2500	*2500				
6.0 m	*1700	*1700			*3350	3250				
4.5 m	*1700	*1700	*3000	2250	*3850	3150				
3.0 m	*1700	*1650	*3750	2150	*5050	3000	*6450	4600	*9550	8450
1.5 m	*1750	1750	*4550	2100	*5600	2850	*7550	4250		
0.0 m	*1950	1750	*4550	2050	*5800	2750	*8000	4050	*5050	*5000
-1.5 m	*2250	1900	*4100	2000	*5600	2700	*7650	3900	*7050	7100
-3.0 m	*2800	2250			*4650	2700	*6400	3900	*8950	7200
-4.5 m	*2700	*2650					*4050	4050	*5550	*5550

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW160-11 (One-piece boom), PW160-10 (One-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With rear outrigger										
7.5 m	*2850	*2850								
6.0 m	*2500	*2500			*3850	*3850				
4.5 m	*2400	*2400			*5250	3800	*6250	5850		
3.0 m	*2400	*2400	*3000	2700	*5650	3700	*7350	5550		
1.5 m	*2550	*2550	*3850	2650	*5950	3600	*8150	5250		
0.0 m	*2850	2600			*5900	3450	*8050	5100	*4300	*4300
-1.5 m	*3400	2900			*5300	3450	*7150	5100	*8350	*8350
-3.0 m	*3550	*3550					*5400	5150	*6850	*6850
-4.5 m										
Arm length 2500 mm With rear outrigger										
7.5 m	*2350	*2350								
6.0 m	*2050	*2050			*3700	*3750				
4.5 m	*2050	*2000	*2350	*2300	*4650	3850	*5050	*5000		
3.0 m	*2050	*2000	*3700	2700	*5450	3750	*7000	5600		
1.5 m	*2150	*2150	*4500	2650	*5850	3600	*8000	5300		
0.0 m	*2350	*2350	*4400	2550	*5950	3450	*8150	5100	*4800	*4800
-1.5 m	*2800	2650			*5450	3450	*7450	5050	*7800	*7800
-3.0 m	*3600	3200			*4150	3450	*5950	5100	*7900	*7900
-4.5 m										
Arm length 3000 mm With rear outrigger										
7.5 m	*1900	*1900			*2500	*2500				
6.0 m	*1700	*1700			*3350	*3350				
4.5 m	*1700	*1700	*3000	2700	*3850	3850				
3.0 m	*1700	*1650	*3750	2650	*5050	3700	*6450	5650	*9550	*9550
1.5 m	*1750	*1750	*4550	2550	*5600	3550	*7550	5300		
0.0 m	*1950	*1950	*4550	2550	*5800	3400	*8000	5050	*5050	*5050
-1.5 m	*2250	*2250	*4100	2500	*5600	3300	*7650	4950	*7050	*7050
-3.0 m	*2800	2750			*4650	3300	*6400	4950	*8950	*8950
-4.5 m	*2700	*2650					*4050	*4050	*5550	*5550
Arm length 2100 mm With outrigger and blade										
7.5 m	*2850	*2850								
6.0 m	*2500	*2500			*3850	*3850				
4.5 m	*2400	*2400			*5250	4750	*6250	*6250		
3.0 m	*2400	*2400	*3000	*3000	*5650	4650	*7350	7050		
1.5 m	*2550	*2550	*3850	*3850	*5950	4500	*8150	6750		
0.0 m	*2850	*2850			*5900	4400	*8050	6600	*4300	*4300
-1.5 m	*3400	*3400			*5300	4350	*7150	6600	*8350	*8350
-3.0 m	*3550	*3550					*5400	*5400	*6850	*6850
-4.5 m										
Arm length 2500 mm With outrigger and blade										
7.5 m	*2350	*2350								
6.0 m	*2050	*2050			*3700	*3700				
4.5 m	*2050	*2050	*2350	*2350	*4650	*4650	*5050	*5050		
3.0 m	*2050	*2050	*3700	3350	*5450	4650	*7000	*7000		
1.5 m	*2150	*2150	*4500	3300	*5850	4500	*8000	6800		
0.0 m	*2350	*2350	*4400	3250	*5950	4400	*8150	6600	*4800	*4800
-1.5 m	*2800	*2800			*5450	4350	*7450	6550	*7800	*7800
-3.0 m	*3600	*3600			*4150	*4150	*5950	*5950	*7900	*7900
-4.5 m										
Arm length 3000 mm With outrigger and blade										
7.5 m	*1900	*1900			*2500	*2500				
6.0 m	*1700	*1700			*3350	*3350				
4.5 m	*1700	*1700	*3000	*3000	*3850	*3850				
3.0 m	*1700	*1700	*3750	3300	*5050	4650	*6450	*6450	*9550	*9550
1.5 m	*1750	*1750	*4550	3250	*5600	4450	*7550	6800		
0.0 m	*1950	*1950	*4550	3150	*5800	4350	*8000	6550	*5050	*5050
-1.5 m	*2250	*2250	*4100	3150	*5600	4250	*7650	6450	*7050	*7050
-3.0 m	*2800	*2800			*4650	4250	*6400	*6400	*8950	*8950
-4.5 m	*2700	*2700					*4050	*4050	*5550	*5550

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW160-11 (One-piece boom), PW160-10 (One-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With front and rear outrigger										
7.5 m	*2850	*2850								
6.0 m	*2500	*2500			*3850	*3850				
4.5 m	*2400	*2400			*5250	*5250	*6250	*6250		
3.0 m	*2400	*2400	*3000	*3000	*5650	*5650	*7350	*7350		
1.5 m	*2550	*2550	*3850	*3850	*5950	5550	*8150	*8150		
0.0 m	*2850	*2850			*5900	5450	*8050	*8050	*4300	*4300
-1.5 m	*3400	*3400			*5300	*5300	*7150	*7150	*8350	*8350
-3.0 m	*3550	*3550					*5400	*5400	*6850	*6850
-4.5 m										
Arm length 2500 mm With front and rear outrigger										
7.5 m	*2350	*2350								
6.0 m	*2050	*2050			*3700	*3750				
4.5 m	*2050	*2050	*2350	*2300	*4650	*4650	*5050	*5050		
3.0 m	*2050	*2050	*3700	*3700	*5450	*5450	*7000	*7000		
1.5 m	*2150	*2150	*4500	4050	*5850	5550	*8000	*8000		
0.0 m	*2350	*2350	*4400	3950	*5950	5450	*8150	*8150	*4800	*4800
-1.5 m	*2800	*2800			*5450	5400	*7450	*7450	*7800	*7800
-3.0 m	*3600	*3600			*4150	*4150	*5950	*5950	*7900	*7900
-4.5 m										
Arm length 3000 mm With front and rear outrigger										
7.5 m	*1900	*1900			*2500	*2500				
6.0 m	*1700	*1700			*3350	*3350				
4.5 m	*1700	*1700	*3000	*3000	*3850	*3850				
3.0 m	*1700	*1700	*3750	*3750	*5050	*5050	*6450	*6450	*9550	*9550
1.5 m	*1750	*1750	*4550	4000	*5600	5550	*7550	*7550		
0.0 m	*1950	*1950	*4550	3900	*5800	5400	*8000	*8000	*5050	*5050
-1.5 m	*2250	*2250	*4100	3900	*5600	5300	*7650	*7650	*7050	*7050
-3.0 m	*2800	*2800			*4650	*4650	*6400	*6400	*8950	*8950
-4.5 m	*2700	*2700					*4050	*4050	*5550	*5550

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW160-11 (Two-piece boom), PW160-10 (Two-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm Without stabilizer										
7.5 m	*3200	*3200					*4250	*4250		
6.0 m	*2700	2550			3800	2800	*4850	4350		
4.5 m	*2600	2100			3750	2750	*5850	4200	*5850	*5850
3.0 m	*2600	1900			3650	2650	5550	3900		
1.5 m	2550	1800	2600	1850	3550	2550	5200	3600		
0.0 m	2600	1850			3450	2400	5100	3500	*4300	*4300
-1.5 m	2900	2100			3450	2400	5100	3450	*8400	6200
-3.0 m	4150	2900					5150	3550		
-4.5 m										
Arm length 2500 mm Without stabilizer										
7.5 m	*2600	*2600					*4250	*4250		
6.0 m	*2300	*2300			*3750	2800	*4050	4350		
4.5 m	*2150	1950			3800	2750	*4700	4200	*5850	*5850
3.0 m	*2150	1750	2650	1900	3700	2600	5650	3900		
1.5 m	*2300	1650	2600	1850	3550	2550	5350	3600		
0.0 m	2250	1700	2550	1800	3450	2400	5100	3500	*4750	*4300
-1.5 m	2650	1900			3400	2400	5050	3450	*7900	6200
-3.0 m	3300	2300			3450	2400	5100	3550		
-4.5 m										
Arm length 3000 mm Without stabilizer										
7.5 m	*2100	*2100			*2500	*2500				
6.0 m	*1900	*1900			*3350	2850				
4.5 m	*1800	1700	2550	1950	*3750	2750	*3600	*3600		
3.0 m	*1800	1550	2500	1850	3700	2600	5750	4050	*9200	7350
1.5 m	*1850	1500	2550	1800	3550	2450	5400	3700		
0.0 m	*2050	1500	2350	1750	3400	2350	5100	3450	*5000	*5000
-1.5 m	*2350	1650	2450	1700	3300	2250	4950	3300	*7100	5950
-3.0 m	2800	1950			3300	2300	5000	3300	9650	6000
-4.5 m										
Arm length 2100 mm With front or rear blade										
7.5 m	*3200	*3200					*4250	*4250		
6.0 m	*2700	*2700			*3800	3300	*4850	*4900		
4.5 m	*2600	2400			*5200	3150	*5850	4800	*5850	*5850
3.0 m	*2600	2200			*5900	3000	*7550	4500		
1.5 m	*2700	2100	*3450	2150	*6400	2900	*8700	4250		
0.0 m	*3000	2150			*6550	2850	*8950	4100	*4300	*4300
-1.5 m	*3550	2400			*6100	2800	*8400	4050	*8400	7350
-3.0 m	*5650	3400					*6750	4150		
-4.5 m										
Arm length 2500 mm With front or rear blade										
7.5 m	*2600	*2600					*4000	*4000		
6.0 m	*2300	*2300			*3750	3250	*4050	*4050		
4.5 m	*2150	*2150			*4500	3150	*4700	*4700		
3.0 m	*2150	2050	*3650	2200	*5650	3050	*7050	4600		
1.5 m	*2300	1950	*4400	2150	*6200	2900	*8350	4300		
0.0 m	*2500	2000	*4100	2100	*6500	2850	*8950	4100	*4750	*4750
-1.5 m	*2950	2200			*6300	2750	*8600	4050	*7900	7300
-3.0 m	*4350	2700			*5050	2800	*7300	4050		
-4.5 m										
Arm length 3000 mm With front or rear blade										
7.5 m	*2100	*2100			*2500	*2500				
6.0 m	*1900	*1900			*3350	3250				
4.5 m	*1800	*1800	*3000	2250	*3750	3150	*3600	*3600		
3.0 m	*1800	*1800	*3700	2150	*4750	3000	*5850	4650	*9200	8600
1.5 m	*1850	1750	*4400	2100	*5900	2850	*7900	4300		
0.0 m	*2050	1800	*4900	2050	*6350	2750	*8700	4050	*5000	*5000
-1.5 m	*2350	1950	*3900	2000	*6350	2700	*8700	3900	*7100	7100
-3.0 m	*2950	2250			*5600	2700	*7800	3900	*11050	7200
-4.5 m										

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW160-11 (Two-piece boom), PW160-10 (Two-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With rear outrigger										
7.5 m	*3200	*3200					*4250	*4250		
6.0 m	*2700	*2700			*3800	*3800	*4850	*4850		
4.5 m	*2600	*2600			*5200	3800	*5850	*5850	*5850	*5850
3.0 m	*2600	*2600			*5900	3700	*7550	5550		
1.5 m	*2700	2550	*3450	2650	*6400	3600	*8700	5300		
0.0 m	*3000	2650			*6550	3450	*8950	5100	*4300	*4300
-1.5 m	*3550	2950			*6100	3450	*8400	5100	*8400	*8400
-3.0 m	*5650	4200					*6750	5150		
-4.5 m										
Arm length 2500 mm With rear outrigger										
7.5 m	*2600	*2600					*4000	*4000		
6.0 m	*2300	*2300			*3750	*3750	*4050	*4050		
4.5 m	*2150	*2150			*4500	3850	*4700	*4700		
3.0 m	*2150	*2150	*3650	2700	*5650	3750	*7050	5650		
1.5 m	*2300	*2300	*4400	2650	*6200	3600	*8350	5350		
0.0 m	*2500	2450	*4100	2550	*6500	3450	*8950	5100	*4750	*4750
-1.5 m	*2950	2700			*6300	3450	*8600	5050	*7900	*7900
-3.0 m	*4350	3300			*5050	3450	*7300	5100		
-4.5 m										
Arm length 3000 mm With rear outrigger										
7.5 m	*2100	*2100			*2500	*2500				
6.0 m	*1900	*1900			*3350	*3350				
4.5 m	*1800	*1800	*3000	2700	*3750	*3750	*3600	*3600		
3.0 m	*1800	*1800	*3700	2650	*4750	3700	*5850	5700	*9300	*9300
1.5 m	*1850	*1850	*4400	2550	*5900	3550	*7900	5300		
0.0 m	*2050	*2000	4650	2550	*6350	3400	*8700	5050	*5000	*5000
-1.5 m	*2350	*2300	*3900	2500	*6350	3300	*8700	4950	*7100	*7100
-3.0 m	*2950	2800			*5600	3350	*7800	4950	*11050	9350
-4.5 m										
Arm length 2100 mm With outrigger and blade										
7.5 m	*3200	*3200					*4250	*4250		
6.0 m	*2700	*2700			*3800	*3800	*4850	*4850		
4.5 m	*2600	*2600			*5200	4750	*5850	*5850	*5850	*5850
3.0 m	*2600	*2600			*5900	4650	*7550	7100		
1.5 m	*2700	*2700	*3450	3300	*6400	4500	*8700	6800		
0.0 m	*3000	*3000			*6550	4400	*8950	6600	*4300	*4300
-1.5 m	*3550	*3550			*6100	4350	*8400	6600	*8400	*8400
-3.0 m	*5650	5300					*6750	6650		
-4.5 m										
Arm length 2500 mm With outrigger and blade										
7.5 m	*2600	*2600					*4000	*4000		
6.0 m	*2300	*2300			*3750	*3750	*4050	*4050		
4.5 m	*2150	*2150			*4500	*4500	*4700	*4700		
3.0 m	*2150	*2150	*3650	3350	*5650	4650	*7050	*7050		
1.5 m	*2300	*2300	*4400	3300	*6200	4500	*8350	6850		
0.0 m	*2500	*2500	*4100	3250	*6500	4400	*8950	6600	*4750	*4750
-1.5 m	*2950	*2950			*6300	4350	*8600	6550	*7900	*7900
-3.0 m	*4350	4200			*5050	4350	*7300	6600		
-4.5 m										
Arm length 3000 mm With outrigger and blade										
7.5 m	*2100	*2100			*2500	*2500				
6.0 m	*1900	*1900			*3350	*3350				
4.5 m	*1800	*1800	*3000	*3000	*3750	*3750	*3600	*3600		
3.0 m	*1800	*1800	*3700	3300	*4750	4650	*5850	*5850	*9200	*9200
1.5 m	*1850	*1850	*4400	3250	*5900	4500	*7900	6850		
0.0 m	*2050	*2050	*4900	3150	*6350	4350	*8700	6550	*5000	*5000
-1.5 m	*2350	*2350	*3900	3150	*6350	4250	*8700	6450	*7100	*7100
-3.0 m	*2950	*2950			*5600	4250	*7800	6450	*11050	*11050
-4.5 m										

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW160-11 (Two-piece boom), PW160-10 (Two-piece boom)

Conditions: Without bucket

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2100 mm With front and rear outrigger										
7.5 m	*3200	*3200					*4250	*4250		
6.0 m	*2700	*2700			*3800	*3800	*4850	*4850		
4.5 m	*2600	*2600			*5200	*5200	*5850	*5850	*5850	*5850
3.0 m	*2600	*2600			*5900	5700	*7550	*7550		
1.5 m	*2700	*2700	*3450	*3450	*6400	5550	*8700	8700		
0.0 m	*3000	*3000			*6550	5500	*8950	8550	*4300	*4300
-1.5 m	*3550	*3550			*6100	5450	*8400	*8400	*8400	*8400
-3.0 m	*5650	*5650					*6750	*6750		
-4.5 m										
Arm length 2500 mm With front and rear outrigger										
7.5 m	*2600	*2600					*4000	*4000		
6.0 m	*2300	*2300			*3750	*3750	*4050	*4050		
4.5 m	*2150	*2150			*4500	*4500	*4700	*4700		
3.0 m	*2150	*2150	*3650	*3650	*5650	*5650	*7050	*7050		
1.5 m	*2300	*2300	*4400	4050	*6200	5600	*8350	*8350		
0.0 m	*2500	*2500	*4100	4000	*6500	5450	*8950	8550	*4750	*4750
-1.5 m	*2950	*2950			*6300	5400	*8600	8450	*7900	*7900
-3.0 m	*4350	*4350			*5050	*5050	*7300	*7300		
-4.5 m										
Arm length 3000 mm With front and rear outrigger										
7.5 m	*2100	*2100			*2500	*2500				
6.0 m	*1900	*1900			*3350	*3350				
4.5 m	*1800	*1800	*3000	*3000	*3750	*3750	*3600	*3600		
3.0 m	*1800	*1800	*3700	*3700	*4750	*4750	*5850	*5850	*9200	*9200
1.5 m	*1850	*1850	*4400	4000	*5900	5550	*7900	*7900		
0.0 m	*2050	*2050	*4900	3900	*6350	5400	*8700	8450	*5000	*5000
-1.5 m	*2350	*2350	*3900	3900	*6350	5350	*8700	8300	*7100	*7100
-3.0 m	*2950	*2950			*5600	5350	*7800	*7800	*11050	*11050
-4.5 m										

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW180-11 (One-piece boom), PW180-10 (One-piece boom)

Conditions: Without bucket, Undercarriage width 2.55 m

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm Without stabilizer										
7.5 m	*3350	*3350					*5150	4800		
6.0 m	*3000	2450			4150	3000	*5600	4800		
4.5 m	2850	2000	2850	2000	4050	2900	6350	4500	*8150	*8150
3.0 m	2550	1800	2750	1950	3900	2750	5950	4150		
1.5 m	2400	1700	2700	1900	3700	2550	5550	3800		
0.0 m	2450	1750	2600	1800	3550	2450	5300	3600		
-1.5 m	2750	1900			3500	2400	5250	3550	*9100	6400
-3.0 m	3350	2350			3550	2450	5300	3600	*8500	6550
-4.5 m										
Arm length 2600 mm Without stabilizer										
7.5 m	*2750	*2750								
6.0 m	*2550	2250			4200	3050				
4.5 m	*2450	1850	2850	2000	4050	2950	*6050	4600		
3.0 m	2400	1650	2750	1950	3900	2750	6000	4200		
1.5 m	2250	1600	2650	1850	3650	2550	5550	3800		
0.0 m	2250	1600	2550	1800	3500	2400	5250	3550	*5600	*5600
-1.5 m	2400	1750	2550	1750	3450	2400	5200	3450	*8950	6300
-3.0 m	3000	2100			3450	2400	5250	3500	*9450	6400
-4.5 m										
Arm length 2900 mm Without stabilizer										
7.5 m	*2350	*2350			*3000	*3000				
6.0 m	*2150	2050			*4100	3000				
4.5 m	*2100	1700	2800	1950	4050	2900	*5050	4600		
3.0 m	*2150	1500	2700	1900	3850	2700	6000	4200	11750	7700
1.5 m	2100	1450	2600	1800	3650	2550	5550	3800		
0.0 m	2150	1500	2500	1700	3450	2400	5250	3550	*5750	*5750
-1.5 m	2350	1600	2400	1650	3400	2300	5150	3450	*8500	6200
-3.0 m	2700	1900			3400	2300	5150	3450	10100	6300
-4.5 m	*4150	3000					*4800	3600		
Arm length 2250 mm With front or rear blade										
7.5 m	*3350	*3350					*5150	*5200		
6.0 m	*3000	2850			*5000	3450	*5600	5450		
4.5 m	*2900	2350	*2900	2350	*6050	3350	*7250	5200	*8150	*8150
3.0 m	*2950	2100	*5000	2250	*6550	3150	*8600	4800		
1.5 m	*3100	2000	5450	2200	*6950	3000	*9550	4400		
0.0 m	*3450	2050	*5300	2150	*7000	2850	*9450	4200		
-1.5 m	*4150	2250			*6400	2850	*8600	4200	*9100	7650
-3.0 m	*4150	2700			*4700	2850	*6700	4200	*8500	7800
-4.5 m										
Arm length 2600 mm With front or rear blade										
7.5 m	*2750	*2750								
6.0 m	*2550	*2550			*4500	3450				
4.5 m	*2450	2150	*3600	2350	*5550	3350	*6050	5250		
3.0 m	*2550	1950	*4950	2250	*6350	3150	*8250	4800		
1.5 m	*2700	1850	5400	2150	*6800	3000	*9300	4400		
0.0 m	*3050	1900	*5350	2100	*6950	2850	*9550	4200	*5600	*5600
-1.5 m	*3600	2050	*4150	2100	*6500	2800	*8750	4100	*8950	7500
-3.0 m	*4250	2450			*5200	2800	*7150	4150	*9450	7650
-4.5 m										
Arm length 2900 mm With front or rear blade										
7.5 m	*2350	*2350			*3000	*3000				
6.0 m	*2150	*2200			*4100	3450				
4.5 m	*2100	2000	*3700	2300	*4900	3300	*5050	*5050		
3.0 m	*2150	1800	*4700	2250	*6100	3150	*7800	4850	*12050	9000
1.5 m	*2300	1700	*5350	2100	*6650	2950	*9100	4450		
0.0 m	*2600	1750	*5250	2050	*6850	2800	*9450	4150	*5750	*5750
-1.5 m	*3050	1900	*4850	2000	*6550	2700	*8950	4050	*8500	7400
-3.0 m	*4050	2250			*5500	2700	*7550	4050	*10250	7550
-4.5 m	*4150	3550					*4800	4200		

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW180-11 (One-piece boom), PW180-10 (One-piece boom)

Conditions: Without bucket, Undercarriage width 2.55 m

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm With rear outrigger										
7.5 m	*3350	*3350					*5150	*5150		
6.0 m	*3000	*3000			*5000	4150	*5600	*5600		
4.5 m	*2900	2850	*2900	2850	*6050	4050	*7250	6300	*8150	*8150
3.0 m	*2950	2550	*5000	2800	*6550	3900	*8600	5850		
1.5 m	*3100	2450	5100	2700	6900	3700	*9550	5450		
0.0 m	*3450	2500	5050	2650	*7000	3550	*9450	5250		
-1.5 m	*4150	2750			*6400	3500	*8600	5200	*9100	*9100
-3.0 m	*4150	3350			*4700	3550	*6700	5250	*8500	*8500
-4.5 m										
Arm length 2600 mm With rear outrigger										
7.5 m	*2750	*2750								
6.0 m	*2550	*2550			*4500	4200				
4.5 m	*2450	*2500	*3600	2850	*5550	4050	*6050	*6000		
3.0 m	*2550	2400	*4950	2750	*6350	3900	*8250	5900		
1.5 m	*2700	2300	5100	2700	*6800	3650	*9300	5500		
0.0 m	*3050	2350	4950	2600	*6950	3500	*9550	5250	*5600	*5600
-1.5 m	*3600	2550	*4150	2550	*6500	3450	*8750	5100	*8950	*8950
-3.0 m	*4250	3000			*5200	3450	*7150	5150	*9450	*9450
-4.5 m										
Arm length 2900 mm With rear outrigger										
7.5 m	*2350	*2350			*3000	*3000				
6.0 m	*2150	*2150			*4100	*4100				
4.5 m	*2100	*2100	*3700	2800	*4900	4050	*5050	*5050		
3.0 m	*2150	*2150	*4700	2700	*6100	3850	*7800	5950	*12050	11300
1.5 m	*2300	2150	5000	2600	*6650	3600	*9100	5500		
0.0 m	*2600	2150	4950	2550	6850	3450	*9450	5200	*5750	*5750
-1.5 m	*3050	2350	4850	2500	*6550	3400	*8950	5100	*8500	*8500
-3.0 m	*4050	2750			*5500	3400	*7550	5100	*10250	9750
-4.5 m	*4150	*4150					*4800	*4800		
Arm length 2250 mm With outrigger and blade										
7.5 m	*3350	*3350					*5150	*5150		
6.0 m	*3000	*3000			*5000	*5000	*5600	*5600		
4.5 m	*2900	*2900	*2900	*2900	*6050	5050	*7250	*7250	*8150	*8150
3.0 m	*2950	*2950	*5000	3450	*6550	4850	*8600	7500		
1.5 m	*3100	3100	*5500	3400	*6950	4650	*9550	7050		
0.0 m	*3450	3150	*5300	3300	*7000	4500	*9450	6850		
-1.5 m	*4150	3450			*6400	4500	*8600	6800	*9100	*9100
-3.0 m	*4150	*4150			*4700	4500	*6700	*6700	*8500	*8500
-4.5 m										
Arm length 2600 mm With outrigger and blade										
7.5 m	*2750	*2750								
6.0 m	*2550	*2550			*4500	*4500				
4.5 m	*2450	*2450	*3600	3550	*5550	5050	*6050	*6050		
3.0 m	*2550	*2550	*4950	3450	*6350	4850	*8250	7550		
1.5 m	*2700	*2700	*5450	3350	*6800	4650	*9300	7100		
0.0 m	*3050	3000	*5350	3300	*6950	4500	*9550	6800	*5600	*5600
-1.5 m	*3600	3250	*4150	3300	*6500	4400	*8750	6750	*8950	*8950
-3.0 m	*4250	3900			*5200	4450	*7150	6750	*9450	*9450
-4.5 m										
Arm length 2900 mm With outrigger and blade										
7.5 m	*2350	*2350			*3000	*3000				
6.0 m	*2150	*2150			*4100	*4100				
4.5 m	*2100	*2100	*3700	3500	*4900	*4900	*5050	*5050		
3.0 m	*2150	*2150	*4700	3450	*6100	4850	*7800	7650	*12050	*12050
1.5 m	*2300	*2300	*5350	3300	*6650	4650	*9100	7100		
0.0 m	*2600	*2600	*5350	3250	*6850	4450	*9450	6800	*5750	*5750
-1.5 m	*3050	3000	*4850	3200	*6550	4350	*8950	6650	*8500	*8500
-3.0 m	*4050	3550			*5500	4350	*7550	6700	*10250	*10250
-4.5 m	*4150	*4150					*4800	*4800		

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW180-11 (One-piece boom), PW180-10 (One-piece boom)

Conditions: Without bucket, Undercarriage width 2.55 m

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm With front and rear outrigger										
7.5 m	*3350	*3350					*5150	*5150		
6.0 m	*3000	*3000			*5000	*5000	*5600	*5600		
4.5 m	*2900	*2900	*2900	*2900	*6050	*6050	*7250	*7250	*8150	*8150
3.0 m	*2950	*2950	*5000	3950	*6550	6000	*8600	*8600		
1.5 m	*3100	*3100	*5500	4150	6900	5750	*9550	9000		
0.0 m	*3450	*3450	*5300	3800	*7000	5600	*9450	8750		
-1.5 m	*4150	*4150			*6400	5550	*8600	*8600	*9100	*9100
-3.0 m	*4150	*4150			*4700	*4700	*6700	*6700	*8500	*8500
-4.5 m										
Arm length 2600 mm With front and rear outrigger										
7.5 m	*2750	*2750								
6.0 m	*2550	*2550			*4500	*4500				
4.5 m	*2450	*2450	*3600	*3600	*5550	*5550	*6050	*6050		
3.0 m	*2550	*2550	*4950	4200	*6350	6000	*8250	*8250		
1.5 m	*2700	*2700	*5450	3850	*6800	5750	*9300	9000		
0.0 m	*3050	*3050	*5350	4050	*6950	5550	*9550	8700	*5600	*5600
-1.5 m	*3600	*3600	*4150	4050	*6500	5500	*8750	8600	*8950	*8950
-3.0 m	*4250	*4250			*5200	*5200	*7150	*7150	*9450	*9450
-4.5 m										
Arm length 2900 mm With front and rear outrigger										
7.5 m	*2350	*2350			*3000	*3000				
6.0 m	*2150	*2150			*4100	*4100				
4.5 m	*2100	*2100	*3700	*3700	*4900	*4900	*5050	*5050		
3.0 m	*2150	*2150	*4700	4200	*6100	5950	*7800	*7800	*12050	*12050
1.5 m	*2300	*2300	*5350	4050	*6650	5700	*9100	9050		
0.0 m	*2600	*2600	*5350	4000	6850	5550	*9450	8700	*5750	*5750
-1.5 m	*3050	*3050	*4850	3950	*6550	5450	*8950	8550	*8500	*8500
-3.0 m	*4050	*4050			*5500	5450	*7550	*7550	*10250	*10250
-4.5 m	*4150	*4150					*4800	*4800		

* Load is limited by hydraulic capacity rather than tipping. Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW180-11 (Two-piece boom), PW180-10 (Two-piece boom)

Conditions: Without bucket, Undercarriage width 2.55 m

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm Without stabilizer										
7.5 m	*3650	3400					*5450	4800		
6.0 m	*3150	2400			4150	3000	*5400	4800		
4.5 m	2800	2000	2850	2050	4050	2900	6350	4500	*6350	*6350
3.0 m	2550	1800	2800	1950	3900	2750	6000	4150		
1.5 m	2400	1750	2700	1950	3650	2550	5600	3800		
0.0 m	2550	1800	2700	1850	3600	2450	5400	3600		
-1.5 m	2750	1950			3600	2400	5400	3550	*8250	6600
-3.0 m										
-4.5 m										
Arm length 2600 mm Without stabilizer										
7.5 m	*3000	*3000								
6.0 m	*2700	2200			4200	3000				
4.5 m	*2550	1850	2850	2050	4050	2950	*5400	4600		
3.0 m	2400	1650	2750	1950	3900	2800	6000	4200		
1.5 m	2300	1600	2700	1900	3750	2550	5600	3850		
0.0 m	2350	1650	2650	1800	3600	2450	5400	3600		
-1.5 m	2550	1800	2600	1800	3350	2400	5300	3550	*8150	6450
-3.0 m	3250	2250			3550	2450	5350	3600		
-4.5 m										
Arm length 2900 mm Without stabilizer										
7.5 m	*2550	*2550			*3450	3000				
6.0 m	*2300	2000			4150	3000				
4.5 m	*2200	1650	2800	1950	4050	2900	*4550	*4550		
3.0 m	2200	1500	2700	1950	3900	2750	6000	4200		
1.5 m	2100	1450	2650	1800	3700	2550	5600	3850		
0.0 m	2150	1500	2550	1750	3550	2400	5350	3600	*4900	*4900
-1.5 m	2350	1650	2500	1750	3450	2350	5250	3500	*7700	6350
-3.0 m	2850	1950			3450	2350	5250	3550		
-4.5 m										
Arm length 2250 mm With front or rear blade										
7.5 m	*3650	*3650					*5450	5450		
6.0 m	*3150	2800			*5200	3450	*5400	*5350		
4.5 m	*3000	2300	*3350	2350	*5600	3350	*6500	5200	*6350	*6350
3.0 m	*3000	2100	*4750	2300	*5950	3200	*8250	4800		
1.5 m	*3050	2000	*4950	2250	*6400	3050	*9550	4500		
0.0 m	*3350	2100	*5200	2200	*7000	2950	*9550	4300		
-1.5 m	*3850	2250			*6400	2900	*8700	4250	*8250	7850
-3.0 m										
-4.5 m										
Arm length 2600 mm With front or rear blade										
7.5 m	*3000	*3000								
6.0 m	*2700	2550			*4650	3450				
4.5 m	*2550	2150	*3950	2350	*5400	3350	*5400	5250		
3.0 m	*2550	1950	*4600	2250	*5700	3200	*7800	4850		
1.5 m	*2650	1900	*4800	2200	*6200	3000	*9300	4500		
0.0 m	*2900	1950	*5050	2150	*6750	2900	*9550	4250		
-1.5 m	*3350	2100	*4600	2100	*6600	2850	*8950	4200	*8150	7700
-3.0 m	*4700	2700			*5250	2850	*7300	4200		
-4.5 m										
Arm length 2900 mm With front or rear blade										
7.5 m	*2550	*2550			*3450	3450				
6.0 m	*2300	*2300			*4150	3450				
4.5 m	*2200	1950	*3900	2300	*4700	3300	*4550	*4550		
3.0 m	*2200	1800	*4400	2250	*5550	3150	*7550	4850		
1.5 m	*2300	1750	*4650	2150	*6050	3000	*8850	4500		
0.0 m	*2450	1750	*4900	2100	*6600	2850	*9550	4200	*4900	*4900
-1.5 m	*2850	1900	*4900	2050	*6650	2800	*9050	4150	*7700	7650
-3.0 m	*4150	2300			*5550	2800	*7650	4150		
-4.5 m										

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW180-11 (Two-piece boom), PW180-10 (Two-piece boom)

Conditions: Without bucket, Undercarriage width 2.55 m

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm With rear outrigger										
7.5 m	*3650	*3600					*5450	*5450		
6.0 m	*3150	*3150			*5200	4150	*5400	*5350		
4.5 m	*3000	2850	*3350	2850	*5600	4050	*6500	6300	*6350	*6350
3.0 m	*3000	2550	*4750	2800	*5950	3900	*8250	5900		
1.5 m	*3050	2500	*4950	2700	*6400	3750	*9550	5550		
0.0 m	*3350	2550	5100	2700	*7000	3600	*9550	5350		
-1.5 m	*3850	2800			*6400	3600	*8700	5300	*8250	*8250
-3.0 m										
-4.5 m										
Arm length 2600 mm With rear outrigger										
7.5 m	*3000	*3000								
6.0 m	*2700	*2650			*4650	4150				
4.5 m	*2550	*2550	*3950	2850	*5400	4050	*5400	*5400		
3.0 m	*2550	2400	*4600	2800	*5700	3900	*7800	5950		
1.5 m	*2650	2300	*4800	2700	*6200	3700	*9300	5550		
0.0 m	*2900	2400	*5050	2650	*6750	3600	*9550	5300		
-1.5 m	*3350	2550	*4600	2650	*6600	3500	*8950	5250	*8150	*8150
-3.0 m	*4700	3300			*5250	3550	*7300	5300		
-4.5 m										
Arm length 2900 mm With rear outrigger										
7.5 m	*2550	*2550			*3450	*3450				
6.0 m	*2300	*2300			*4150	4150				
4.5 m	*2200	*2200	*3900	2850	*4700	4050	*4550	*4550		
3.0 m	*2200	*2200	*4400	2750	*5550	3850	*7550	5950		
1.5 m	*2300	2150	*4650	2650	*6050	3650	*8850	5550		
0.0 m	*2450	2200	*4900	2550	*6600	3550	*9550	5250	*4900	*4900
-1.5 m	*2850	2400	*4900	2550	*6650	3450	*9050	5200	*7700	*7700
-3.0 m	*4150	2850			*5550	3450	*7650	5250		
-4.5 m										
Arm length 2250 mm With outrigger and blade										
7.5 m	*3650	*3650					*5450	*5450		
6.0 m	*3150	*3150			*5200	5150	*5400	*5400		
4.5 m	*3000	*3000	*3350	*3350	*5600	5050	*6500	*6500	*6350	*6350
3.0 m	*3000	*3000	*4750	3500	*5950	4900	*8250	7550		
1.5 m	*3050	*3050	*4950	3450	*6400	4700	*9550	7150		
0.0 m	*3350	3200	*5200	3400	*7000	4600	*9550	6950		
-1.5 m	*3850	3550			*6400	4550	*8700	6900	*8250	*8250
-3.0 m										
-4.5 m										
Arm length 2600 mm With outrigger and blade										
7.5 m	*3000	*3000								
6.0 m	*2700	*2700			*4650	*4650				
4.5 m	*2550	*2550	*3950	3600	*5400	5100	*5400	*5400		
3.0 m	*2550	*2550	*4600	3500	*5700	4900	*7800	7650		
1.5 m	*2650	*2650	*4800	3400	*6200	4700	*9300	7200		
0.0 m	*2900	*2900	*5050	3350	*6750	4550	*9550	6900		
-1.5 m	*3350	3300	*4600	3300	*6600	4500	*8950	6850	*8150	*8150
-3.0 m	*4700	4200			*5250	4550	*7300	6900		
-4.5 m										
Arm length 2900 mm With outrigger and blade										
7.5 m	*2550	*2550			*3450	*3450				
6.0 m	*2300	*2300			*4150	*4150				
4.5 m	*2200	*2200	*3900	3550	*4700	*4700	*4550	*4550		
3.0 m	*2200	*2200	*4400	3450	*5550	4850	*7550	*7550		
1.5 m	*2300	*2300	*4650	3350	*6050	4650	*8850	7200		
0.0 m	*2450	*2450	*4900	3300	*6600	4500	*9550	6900	*4900	*4900
-1.5 m	*2850	*2850	*4900	3250	*6650	4450	*9050	6750	*7700	*7700
-3.0 m	*4150	3650			*5550	4450	*7650	6800		
-4.5 m										

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PW180-11 (Two-piece boom), PW180-10 (Two-piece boom)

Conditions: Without bucket, Undercarriage width 2.55 m

unit: kg

	Max.		7.5 m		6.0 m		4.5 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
Arm length 2250 mm With front and rear outrigger										
7.5 m	*3650	*3650					*5450	*5450		
6.0 m	*3150	*3150			*5200	*5200	*5400	*5400		
4.5 m	*3000	*3000	*3350	*3350	*5600	*5600	*6500	*6500	*6350	*6350
3.0 m	*3000	*3000	*4750	4300	*5950	*5950	*8250	*8250		
1.5 m	*3050	*3050	*4950	4200	*6400	5850	*9550	9050		
0.0 m	*3350	*3350	*5200	4150	*7000	5700	*9550	8900		
-1.5 m	*3850	*3850			*6400	5650	*8700	*8700	*8250	*8250
-3.0 m										
-4.5 m										
Arm length 2600 mm With front and rear outrigger										
7.5 m	*3000	*3000								
6.0 m	*2700	*2700			*4650	*4650				
4.5 m	*2550	*2550	*3950	*3950	*5400	*5400	*5400	*5400		
3.0 m	*2550	*2550	*4600	4250	*5700	*5700	*7800	*7800		
1.5 m	*2650	*2650	*4800	4200	*6200	5800	*9300	9150		
0.0 m	*2900	*2900	*5050	3850	*6750	5650	*9550	8850		
-1.5 m	*3350	*3350	*4600	4100	*6600	5600	*8950	8750	*8150	*8150
-3.0 m	*4700	*4700			*5250	*5250	*7300	*7300		
-4.5 m										
Arm length 2900 mm With front and rear outrigger										
7.5 m	*2550	*2550			*3450	*3450				
6.0 m	*2300	*2300			*4150	*4150				
4.5 m	*2200	*2200	*3900	*3900	*4700	*4700	*4550	*4550		
3.0 m	*2200	*2200	*4400	4200	*5550	*5550	*7550	*7550		
1.5 m	*2300	*2300	*4650	4100	*6050	5750	*8850	*8850		
0.0 m	*2450	*2450	*4900	4050	*6600	5600	*9550	8850	*4900	*4900
-1.5 m	*2850	*2850	*4900	3750	*6650	5550	*9050	8700	*7700	*7700
-3.0 m	*4150	*4150			*5550	*5550	*7650	*7650		
-4.5 m										

* Load is limited by hydraulic capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

SECTION **3F**

DEMOLITION

CONTENTS

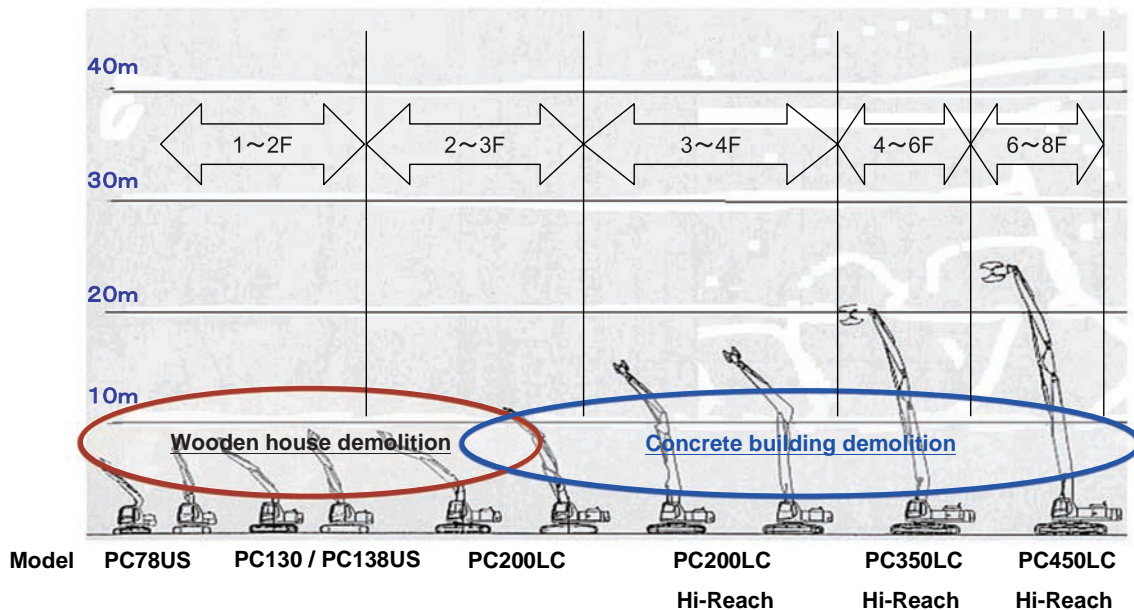
Machine Selection (Guide Line)	3F-2
Specifications:	
Demolition Specification	3F-3
Demolition High Reach	3F-4
Attachment Features and Specifications:	
Demolition Two Piece Boom	3F-10
Underground Demolition Specifications	3F-11

Note:

Products and materials in this handbook shows typical examples of special application and optional equipments that KOMATSU has offered to mainly the customers in Japan. So some application may not have been available in your country or region. If you are interested in such application, please contact a KOMATSU office near you.

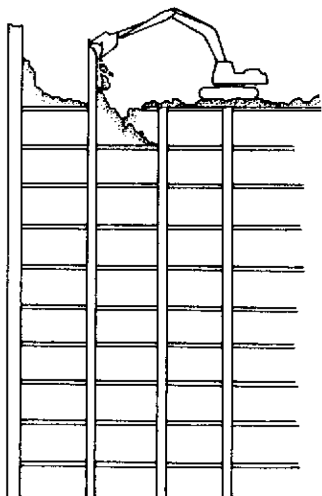
1. When carrying out demolition of concrete building from the ground

- 1) For demolition of 4~10 storied buildings use a hydraulic excavator with a super long boom and arm as base machine.
- 2) For demolition of 2~4 storied buildings use a hydraulic excavator with a normal boom and arm as the base machine.
- 3) For demolition of the foundations or areas below ground level, use a hydraulic excavator with the normal boom and arm as the base machine and operate from the ground level. If necessary, lower the machine below the ground to carry out the work.



2. When carrying out demolition from inside the building being demolished

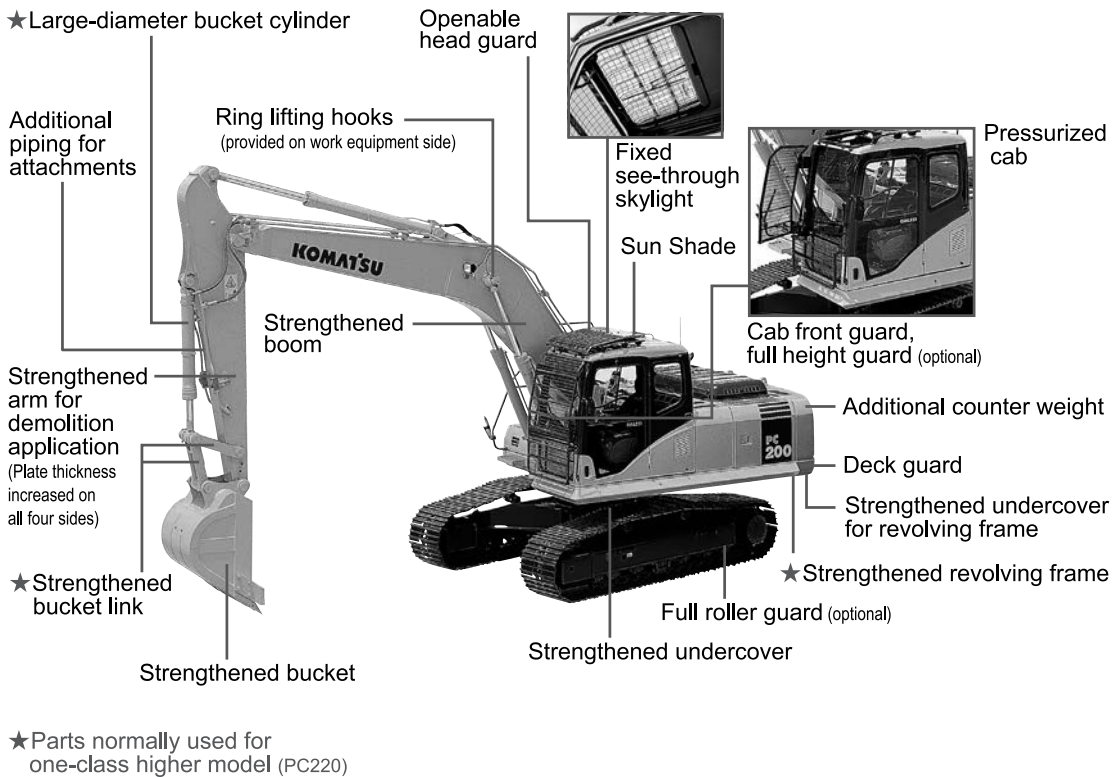
There is no space to carry out demolition work with machine from the ground level, or the building is too high (higher than 6 stories) to demolished, and the demolition attachment does not reach, place the demolition machine on the top floor of the building to be demolished. Start the demolition operation from the top, and work down.



Specifications Demolition Specification

DEMOLITION

- Demolition work means hard work for hydraulic excavators. Operator safety, machine flexibility, reliability and performance are essential for this application.
- Demolition specification features additional machine guarding, reinforced structure and better visibility that enables safer and more efficient operation.



Specifications Demolition High Reach

DEMOLITION

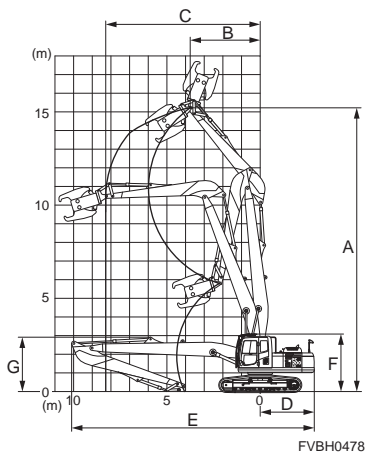
- Demolition high reach enables high efficient operation and safety for 3-4 stories building demolition.
- Two-stage front type provides easy demolition operation thanks to the same lever motion as standard machine.



Working Range

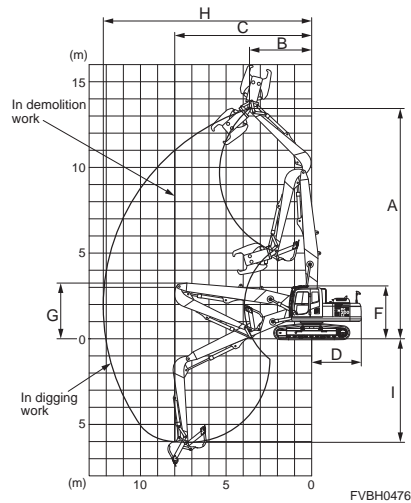
PC200LC

(2-stage type for demolition work only)



PC200LC

(2-stage type for demolition and digging work)



Specifications

Model		PC200LC	
Structure	High reach type	2-stage	
	Boom type	1-piece	
	Application	For Demolition work	For Demolition & Digging work
Operating Weight *1	kg(lb)	28,200(62,170)	27,200(59,970)
Max. Allowable Crusher Weight	kg(lb)	2,300(5,070)	2,300(5,070)
Max. Working Height *2	A mm(ft.in)	15,215(49'11")	13,460(44'2")
Arm Top Pin Radius at Max. Working Height	B mm(ft.in)	3,810(12'6")	3,600(11'10")
Max. Allowable Working Radius	C mm(ft.in)	8,300(27'3")	8,000(26'3")
Tail Swing Radius	D mm(ft.in)	2,940(9'8")	2,940(9'8")
Overall Length *3	E mm(ft.in)	13,260(43'6")	11,090(36'5")
Overall Height *3	F mm(ft.in)	3,160(10'4")	3,160(10'4")
Height of Folded Work Equipment	G mm(ft.in)	2,850(9'4")	3,000(9'10")
Arm Top Pin at Max. Working Radius	H mm(ft.in)	—	12,210(40'1")
Arm Top Pin at Max. Working Depth	I mm(ft.in)	—	6,165(20'3")

* The photos may slightly differ from the standard specifications of demolition high reach.

* For precautions when operating the machine, refer to the operation and maintenance manual.

*1 Excluding allowable crusher weight

*2 Arm top pin

*3 When work equipment is folded and lowered to the ground

Specifications Demolition High Reach

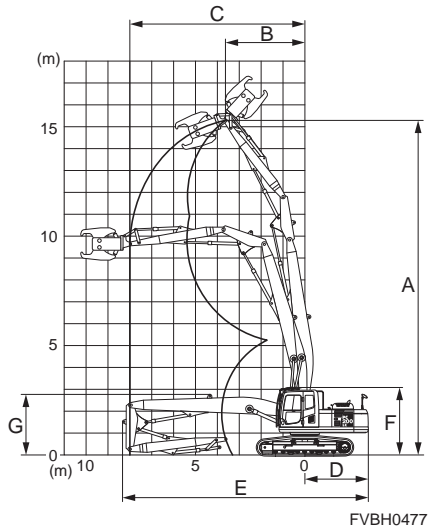
DEMOLITION

- Demolition high reach enables high efficient operation and safety for 3-4 stories building demolition.
- Three-stage front type suits for delicate demolition work thanks to the intermediate arm that ensures the wider working range than 2-stage type.

Working Range

PC200LC

(3-stage type for demolition work only)



Specifications

Model			PC200LC
Structure	High reach type	3-stage	
	Boom type	1-piece	
Operating Weight *1		kg(lb)	27,700(61,070)
Max. Allowable Crusher Weight		kg(lb)	2,100(4,630)
Max. Working Height *2	A	mm(ft.in)	15,225(49'11")
Arm Top Pin Radius at Max. Working Height	B	mm(ft.in)	3,600(11'10")
Max. Allowable Working Radius	C	mm(ft.in)	8,000(26'3")
Tail Swing Radius	D	mm(ft.in)	2,940(9'8")
Overall Length *3	E	mm(ft.in)	11,280(37'0")
Overall Height *3	F	mm(ft.in)	3,160(10'4")
Height of Folded Work Equipment	G	mm(ft.in)	2,750(9')

* The photos may slightly differ from the standard specifications of demolition high reach.

* For precautions when operating the machine, refer to the operation and maintenance manual.

*1 Excluding allowable crusher weight

*2 Arm top pin

*3 When work equipment is folded and lowered to the ground

Specifications Demolition High Reach

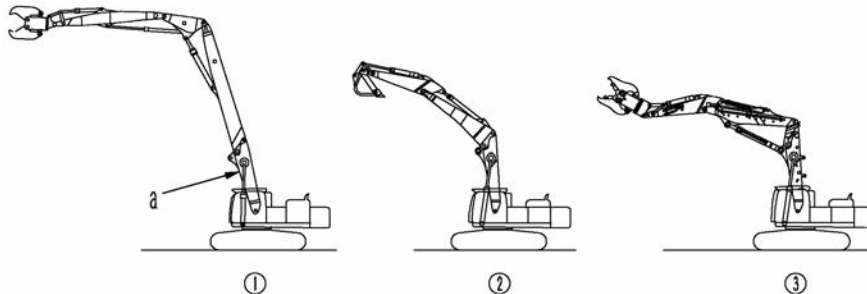
DEMOLITION

- There are several stages at the demolition works such as demolishing structures, taking out debris, leveling ground etc. which are required several machines at each process.
- The exchangeable fronts system can reduce the cost and time for demolition works. Three types of equipments are available by exchanging front equipment at one machine.
- Safety devices are equipped such as working range monitor, wide view front glass etc.

Demolition spec. outline

There are three kind of work equipment configuration.

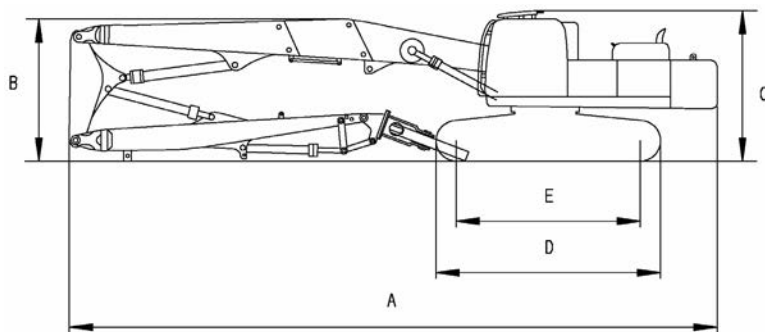
- (1) Hi-reach demolition spec.
- (2) Demolition excavation boom spec.
- (3) Demolition two-piece long front spec.



(a)'s first boom is a common for the above three configuration spec.

PC350LC Demolition spec.

		Hi-reach demolition spec.	Demolition excavation boom spec.	Demolition two-piece long front spec.	
Operating weight	kg (lb)	41,300 (91,050)	35,700 (78,700)	41,700 (91,930)	
Max. attachment weight	kg (lb)	2,300 (5,070)	—	3,600 (7,940)	
Bucket capacity	m ³ (cu.yd)	—	1.4 (1.83)	1.4 (1.83)	
A	Overall length	mm (ft.in)	14,980 (49'2")	12,120 (39'9")	14,350 (47'1")
B	Overall height	mm (ft.in)	3,340 (10'11")	3,565 (11'8")	3,565 (11'8")
C	Cab height	mm (ft.in)	3,140 (10'4")		
D	Track length	mm (ft.in)	4,960 (16'3")		
E	Tumbler distance	mm (ft.in)	4,030 (13'3")		
Overall width		mm (ft.in)	3,200 (10'6")		
Shoe width		mm (in)	600 (24")		
Ground clearance		mm (ft.in)	500 (1'8")		

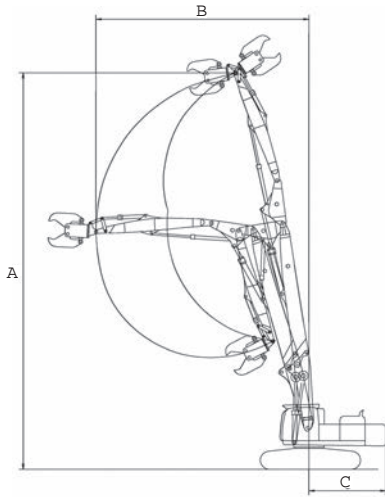


Specifications Demolition High Reach

DEMOLITION

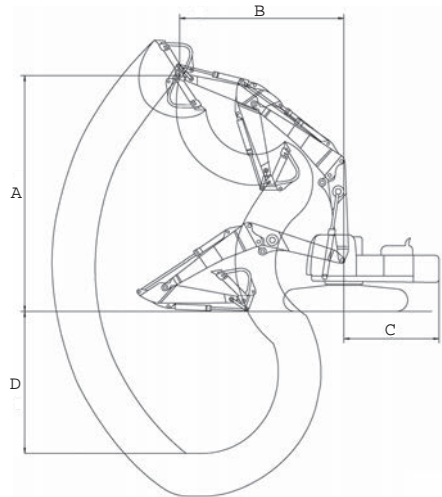
PC350LC Demolition spec.

Hi-reach demolition spec.



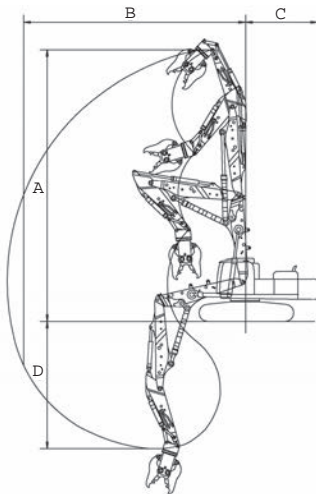
A	Max. working height	mm (ft.in)	20,510 (67'3")
B	Max. forward reach	mm (ft.in)	11,000 (36'1")
C	Turning radius at rear portion	mm (ft.in)	3,800 (12'6")
D	Max. digging depth	mm (ft.in)	—

Demolition excavation boom spec.



A	Max. working height	mm (ft.in)	10,540 (34'7")
B	Max. forward reach	mm (ft.in)	6,710 (22'0")
C	Turning radius at rear portion	mm (ft.in)	4,435 (14'7")
D	Max. digging depth	mm (ft.in)	7,410 (24'4")

Demolition two-piece long front spec.



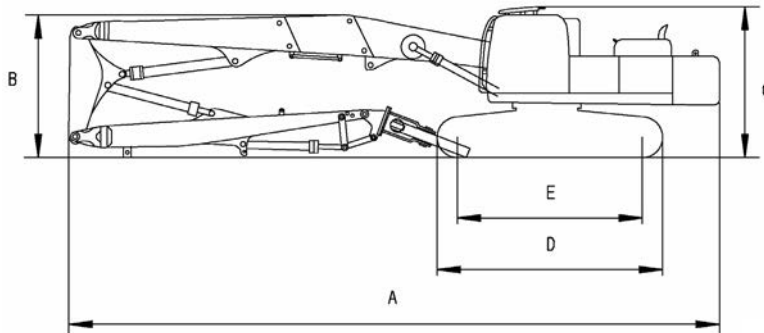
A	Max. working height	mm (ft.in)	14,380 (47'2")
B	Max. forward reach	mm (ft.in)	9,000 (29'6")
C	Turning radius at rear portion	mm (ft.in)	3,230 (10'7")
D	Max. digging depth	mm (ft.in)	6,750 (22'2")

Specifications Demolition High Reach

DEMOLITION

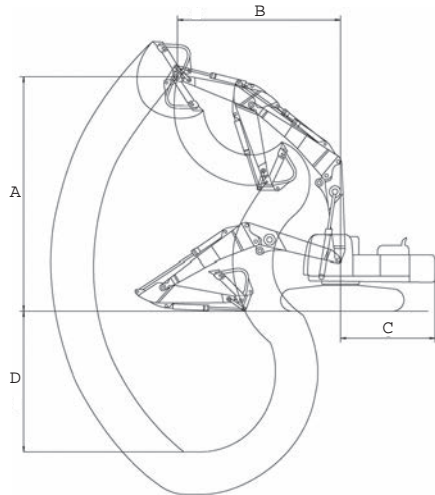
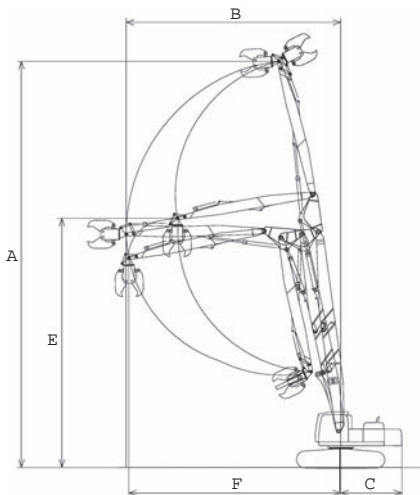
PC450LC Demolition spec.

		Hi-reach demolition spec.	Demolition excavation boom spec.	Demolition two-piece long front spec.
Operating weight	kg (lb)	57,220 (126,150)	54,300 (119,710)	60,520 (133,420)
Max. attachment weight	kg (lb)	2,300 (5,070)	—	5,700 (12,570) or 4,200 (9,260)
Bucket capacity	m ³ (cu.yd)	—	1.9 (2.49)	1.9 (2.49)
A	Overall length	mm (ft.in)	16,450 (54'0")	12,700 (41'8")
B	Overall height	mm (ft.in)	3,450 (11'4")	3,755 (12'4")
C	Cab height	mm (ft.in)	3,450 (11'4")	
D	Track length	mm (ft.in)	5,385 (17'8")	
E	Tumbler distance	mm (ft.in)	4,350 (14'3")	
Overall width		mm (ft.in)	3,490 (11'5")	
Shoe width		mm (in)	600 (24")	
Ground clearance		mm (ft.in)	685 (2'3")	



Hi-reach demolition spec.

Demolition excavation boom spec.



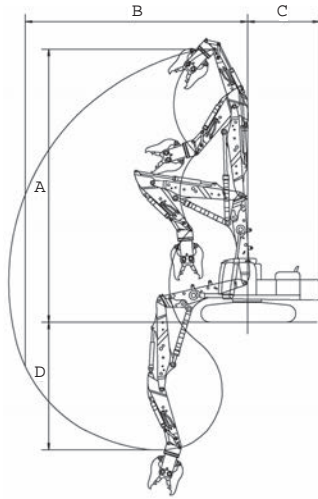
		Hi-reach demolition spec.	Demolition excavation boom spec.
A	Max. working height	mm (ft.in)	24,660 (80'11")
B	Max. forward reach	mm (ft.in)	13,000 (42'8")
C	Turning radius at rear portion	mm (ft.in)	3,710 (12'2")
D	Max. digging depth	mm (ft.in)	—
E	Max. working height at possible horizontal crashing	mm (ft.in)	15,128 (49'8")
F	Max. forward reach at possible horizontal crashing	mm (ft.in)	12,838 (42'1")

Specifications Demolition High Reach

DEMOLITION

PC450LC Demolition spec.

Demolition two-piece long front spec.

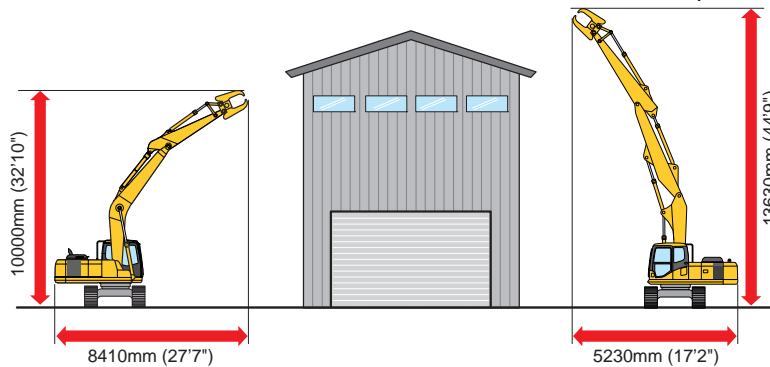


A	Max. working height	mm (ft.in)	15,150 (49'8")
B	Max. forward reach	mm (ft.in)	9,000 (29'6")
C	Turning radius at rear portion	mm (ft.in)	3,710 (12'2")
D	Max. digging depth	mm (ft.in)	6,910 (22'8")
E	Max. working height at possible horizontal crashing	mm (ft.in)	15,145 (49'8")
F	Max. forward reach at possible horizontal crashing	mm (ft.in)	9,000 (29'6")

- The demolition two piece boom now realizes a higher, wider and longer working range.
- It has also made possible demolition work comparable to a one-class larger machine in a tight quarter.
- It demonstrates power when demolishing low-rise to mid-rise building now that it can access closer to a building to be demolished.
- The base machine is designed for demolition work. Various critical parts and work equipment have been strengthened to ensure higher durability. Thus it demonstrates excellent performance in the hard working conditions.

The two piece boom enables an operator to reach a higher work point.

- PC200LC demolition specifications
- PC200LC demolition specifications with 2 piece boom



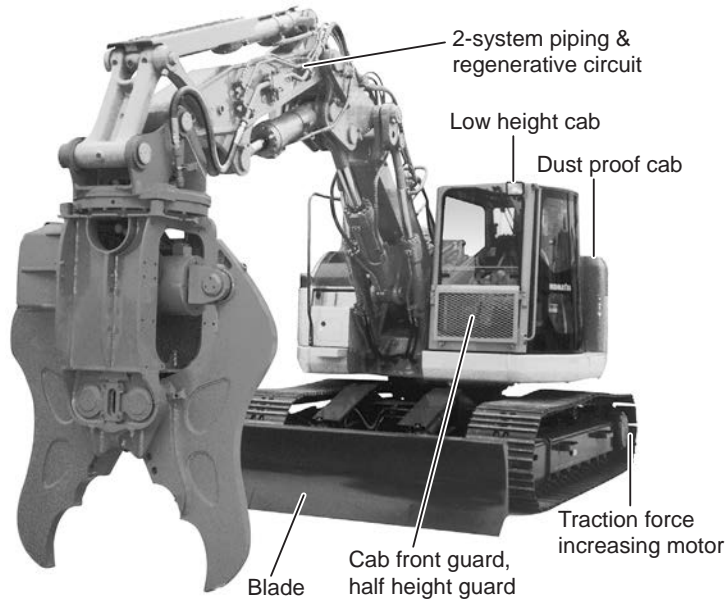
Tow piece boom spec.

		PC78US	PC138US	PC200LC	PC228USLC
Operating weight	kg (lb)	8,390 (18,500)	15,675 (34,560)	27,900 (61,510)	29,400 (64,820)
Max. attachment weight	kg (lb)	560 (1,230)	1,000 (2,200)	2,300 (5,070)	2,500 (5,510)
Bucket capacity	m ³ (cu.yd)	0.28 (0.37)	0.5 (0.65)	0.8 (1.05)	0.8 (1.05)
Max. working height	mm (ft.in)	8675 (28'6")	10500 (34'5")	12140 (39'10")	12100 (39'8")

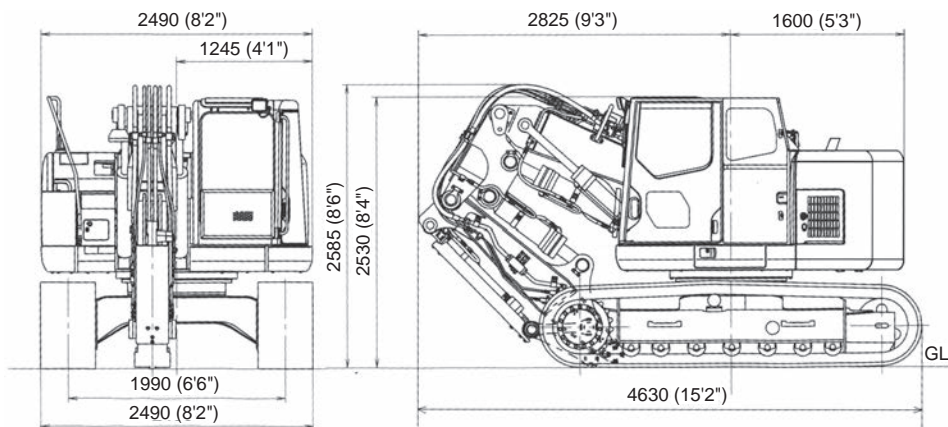
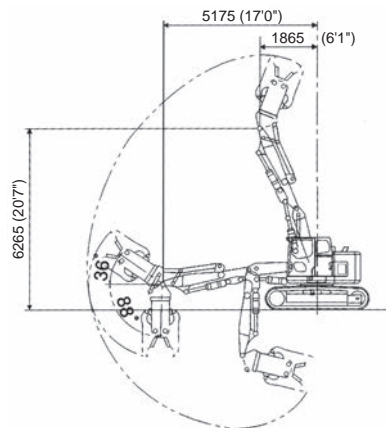
Attachment Features and Specifications Underground Demolition Specifications

DEMOLITION

- A breaker and crusher for a one-class larger machine (PC200 class) can be installed.
- A regenerative circuit assures a hydraulic oil amount equal to that for one-class larger machine (PC200 class) in the crushing work.
- A two piece boom is adopted.
- A low height cab is installed, allowing the machine to pass under 2,530 m (8'4") high beam.
- Ring hooks for lifting the machine are installed as a standard equipment.



Model		PC138US
Machine weight	kg (lb)	15000 (33,070)
Max. crusher weight	kg (lb)	2300 (5,070)



SCRAP & MATERIAL HANDLING

CONTENTS

Attachments for Industry:

Scrap Handling Machine	3G-2
High-mount Cab	3G-5
Lifting Magnet	3G-6
Car Scrap Handler	3G-6
Scrap Grapple	3G-6
Orange Grapple	3G-6
Magnet Fork	3G-6

Note:

Products and materials in this handbook shows typical examples of special application and optional equipments that KOMATSU has offered to mainly the customers in Japan. So some application may not have been available in your country or region. If you are interested in such application, please contact a KOMATSU office near you.

Scrap Handling Machine

Long Boom and Long Arm

- Mounted on the machine body these give you increased working reach-and safe, easy loading and unloading at those heights. The extended working range pays off in greater scrap-handling efficiency.

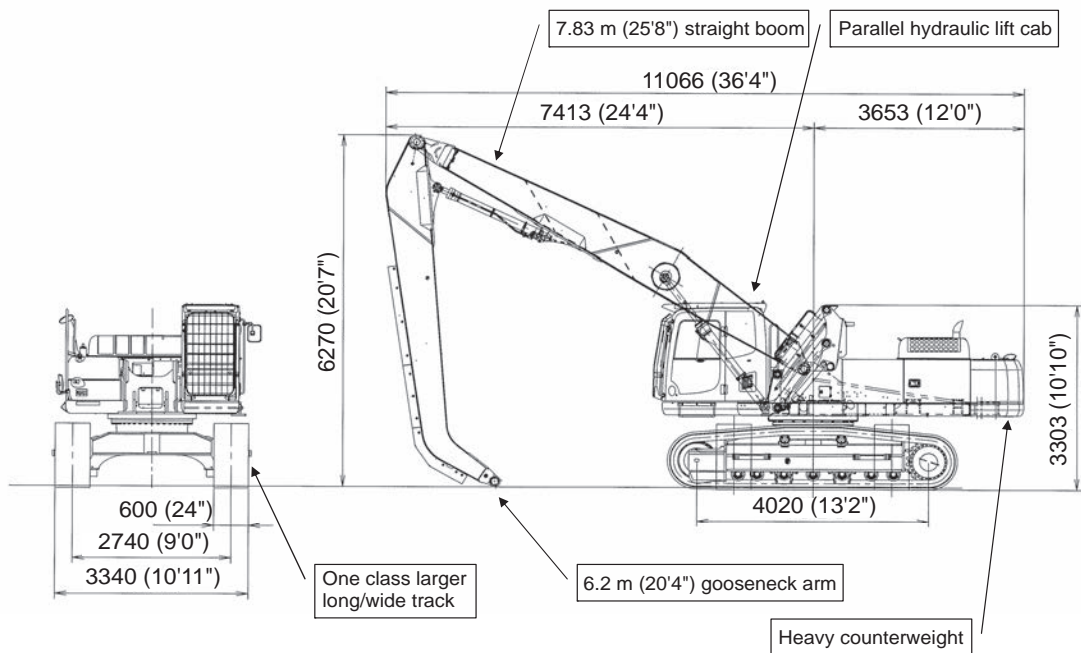
The Komatsu Scrap Handling Machine consists of:

- Basic Machine (See catalog for standard machines.)
- Scrap-handling long boom and gooseneck arm
- Attachment hydraulics
- Boom cylinder hydraulic line and drift-prevention valve
- Heavy counterweight
- High-mount cabs (hydraulic elevator; PC300 parallel link type, PC450 Z-link type)
- Optional widened track gauge for enhanced lateral stability. (PC300)



Dimensions & Working range

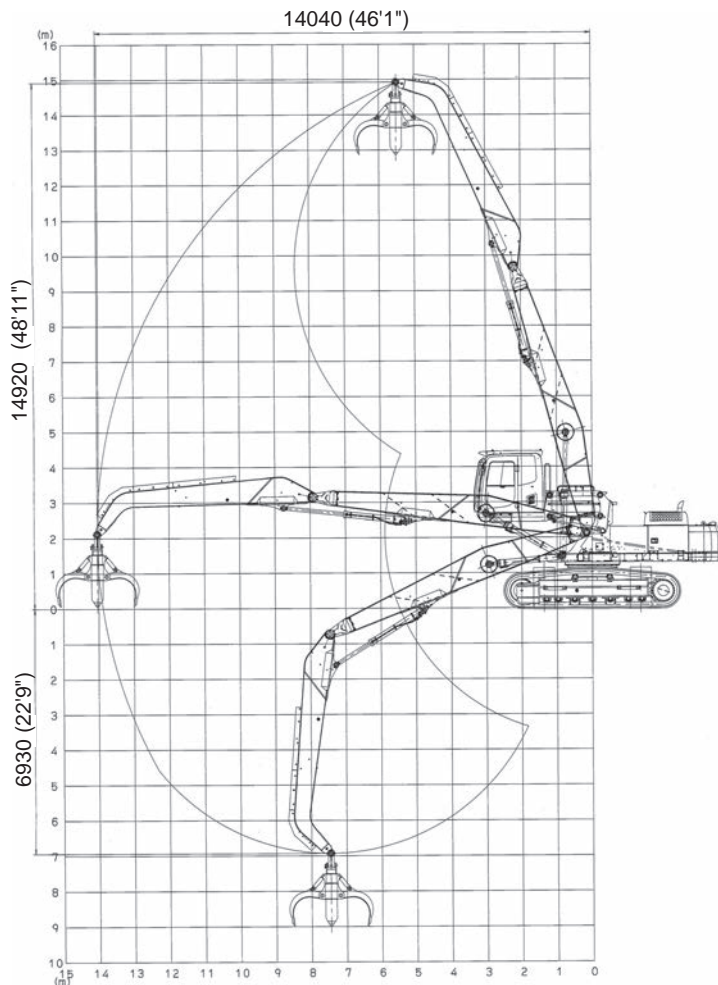
PC300 14 m (46') reach with hydraulic lift cab



Scrap Handling Machine

PC300 14m (46') reach spec with hydraulic lift cab

Working range

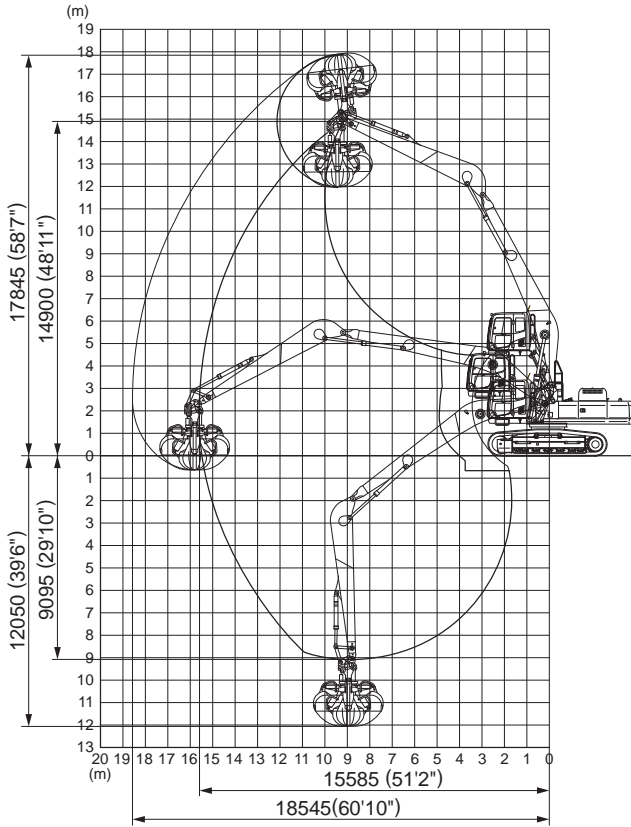


Model		PC300
Boom length	m (ft.in)	7.83 (25'8")
Arm length	m (ft.in)	6.2 (20'8")
Max. reach, at arm end pin	m (ft.in)	14.04 (46'1")
Max. height, at arm end pin	m (ft.in)	14.92 (48'11")
Max. digging depth, at arm end pin	m (ft.in)	6.93 (22'9")

Scrap Handling Machine

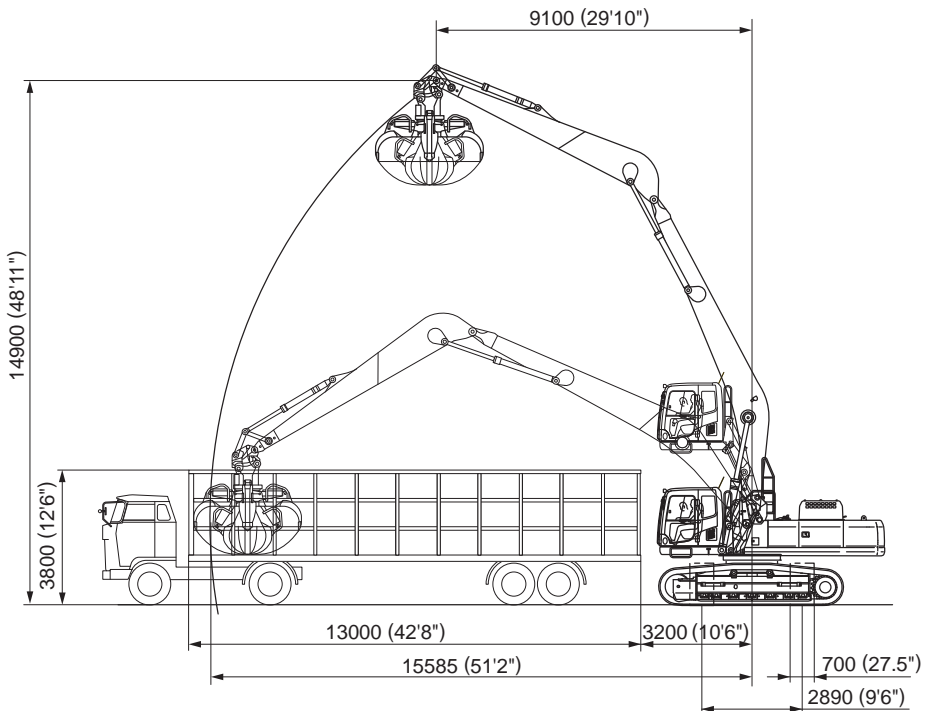
PC450LC 15.5 m (51'2") reach spec with hydraulic lift cab

Working range



Model		PC450LC
Boom length	m (ft.in)	9.6 (31'6")
Arm length	m (ft.in)	7.0 (23')
Max. reach, at arm end pin	m (ft.in)	15.58 (51'2")
Max. height, at arm end pin	m (ft.in)	14.90 (48'10")
Max. digging depth, at arm end pin	m (ft.in)	9.09 (29'10")

FVBH0488

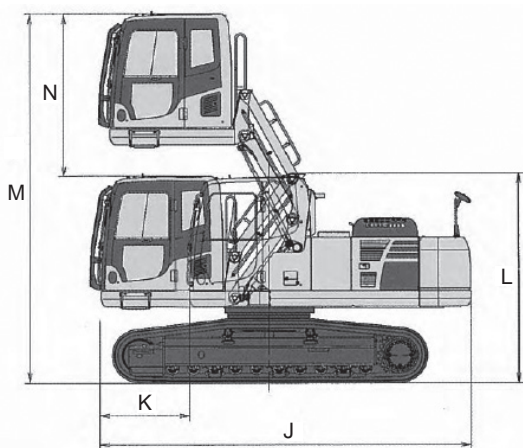


FVBH0489

High-mount Cab

A high-mount cab provides the operator with wider and clearer field view, thus facilitating loading or unloading of scrap on or off a truck and charging or discharging into or out of scrap processing machines. The hydraulic elevating cab lowered ensures better transportability.

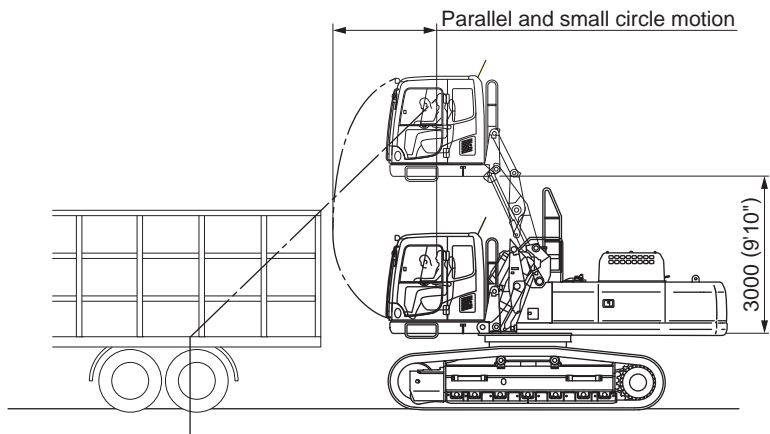
Parallel link cab



Dimension

	Model	PC200	PC220	PC300	
J	Overall length	mm (ft.in)	5,485 (18'0")	5,485 (18'0")	6,310 (20'8")
K	Cab protruding amount [compared with std cab]	mm (ft.in)	1,310 (4'4")	1,310 (4'4")	1,310 (4'4")
L	Height at cab lowest position	mm (ft.in)	3,075 (10'1")	3,085 (10'1")	3,195 (10'6")
M	Height at cab fully raised	mm (ft.in)	5,430 (17'10")	5,440 (17'10")	5,540 (18'2")
N	Lift height	mm (ft.in)	2,400 (7'10")	2,400 (7'10")	2,400 (7'10")

Z-link cab (3 m (9'10") lift height) for PC450LC



FVBH0490

Lifting Magnet (PC200-PC450)

- Lifting magnet with strong attraction force by over-excitation and swift release by reverse excitation.
- Engine-driven brushless alternator, realizing a maintenance free operation.



PC200LC

Car Scrap Handler (PC200)

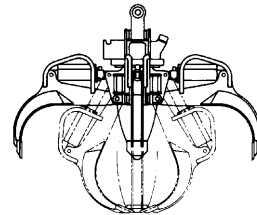
- With one car scrap handler, preparation, dismantling, and sorting work can be carried out speedily. The combination play between a state-of-the-art machine and a clamp arm makes delicate removal operations possible.
- Powerful clamp arm
The clamp arm installed to the track frame can hold the scrapped car securely, so picking-up work can be carried out efficiently and smoothly.



PC200

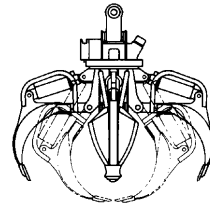
Scrap Grapple

To assure safe handling of massive or irregularly shaped scrap, each of the 4 claws opens and closes by independent hydraulic cylinders. The grapple rotates freely to make grappling readjustments safe and easy.



Orange Grapple

The claws are 4 vane-shaped blades operated independently by hydraulic cylinders. The freely turn-able grapple surrounds the scrap material; grasps accurately, and keeps small-item spillage to a minimum.



Magnet Fork (PC200-PC220)

An excavator-based machine with a lifting magnet and fork device exhibits the best operating performance in scrap handlings by itself through the combination of both the MAGNET absorbing and FORK grapple forces, thus enabling great improvement of working efficiency, because materials to be handled can be freely selected.



SECTION **3H**

SPECIAL APPLICATION MACHINES

CONTENTS

Inboard Work Specifications	3H-2
Barge-ship Work Specifications	
Backhoe Dredger	3H-4
Heat Resistance Specifications	3H-6

Note:

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Inboard Work Specifications

PC138US inboard work spec.

- (1) Wide working range can speedy inboard work at vessel corner and high position work.
- (2) Short tail swing type can meet with tight working conditions.



20% large fuel tank capacity for long refill interval

Head guard



Four additional working light



Engine room cover for preventive chip and dust intake



Strengthened arm and link

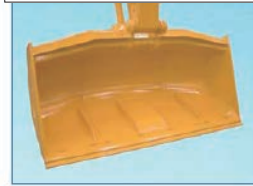
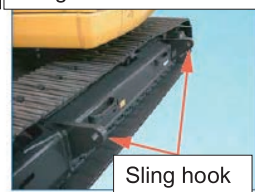
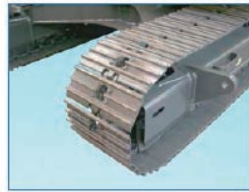
Large capacity chip bucket



Holed shoe for preventive chip stack

Spiked carrier roller for chip removal from track link

Hook for machine lifting



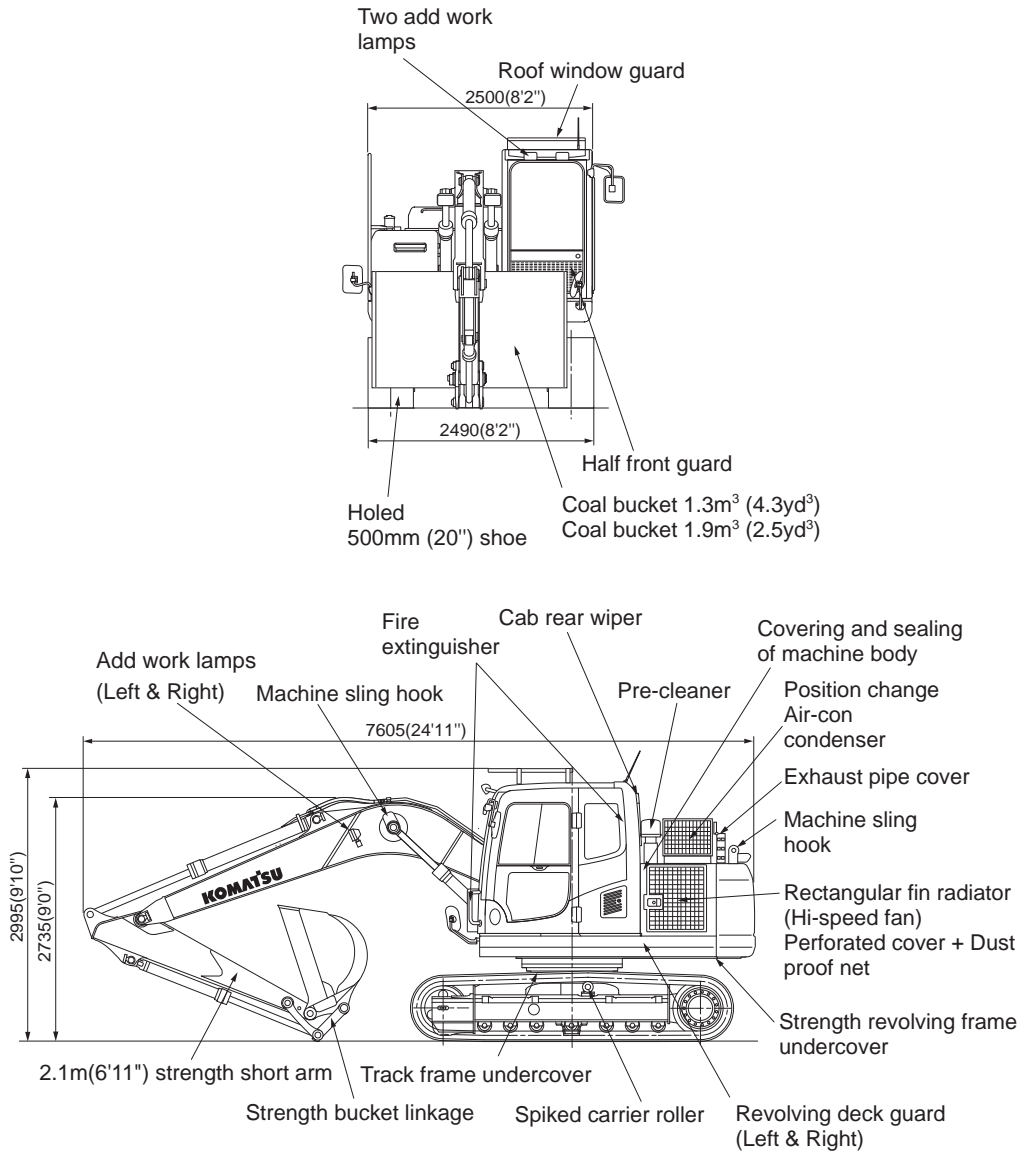
Sling hook



Photo shown PC138US-2 former model

Inboard Work Specifications

PC130 inboard work spec.



FVBH0485



For coal



For salt

Backhoe Dredger

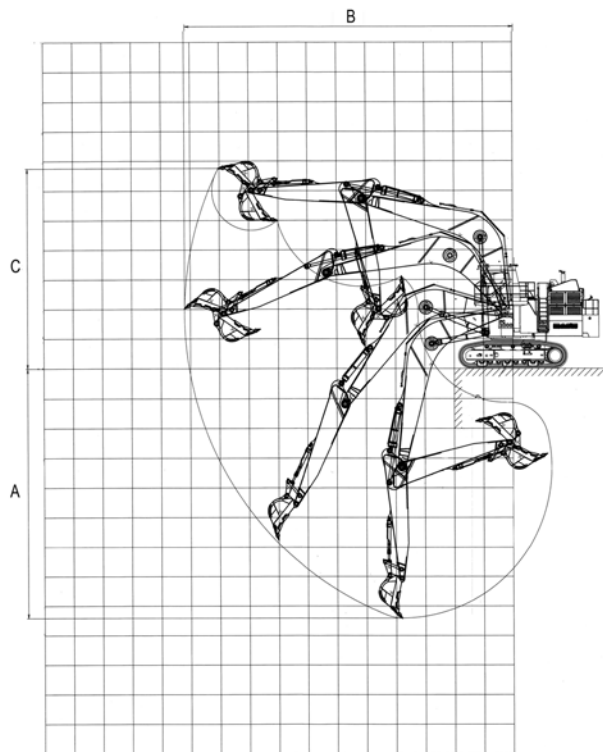
An excavator based machine with BACK-HOE TYPE SPECS mounted on a vessel exhibits its best operating performance in large-scaled ocean works such as filling-up reclamation to build a land, adjustment or enlargement of harbors and demolition or rehabilitation of breakwaters. As for mounting method, besides an excavator type with undercarriages, two methods (gantry- and fixed-type) are provided.

The work in a salty environment is necessary to prevent corrosion of parts.

Antit-corrosion arrangement is also available.



Specifications

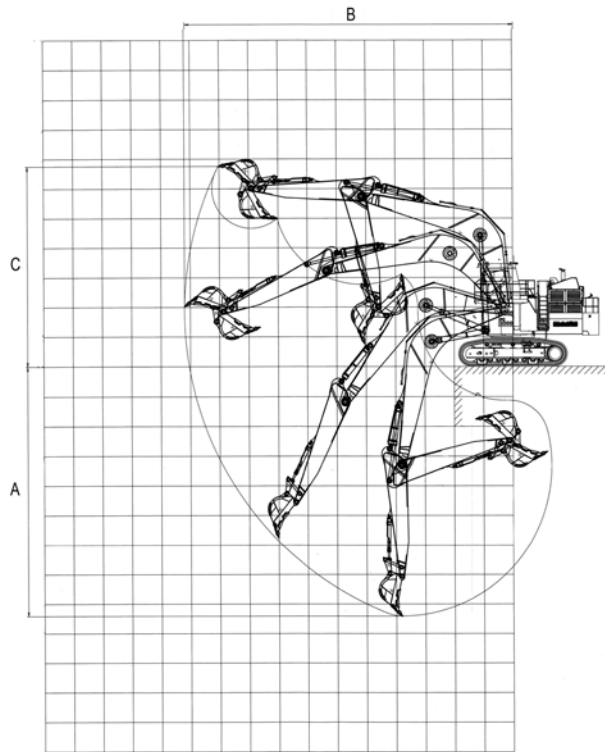


Working Range

Item		Model	PC600			PC800	
Boom length		m (ft.in)	7.6 (24'11")			8.2 (26'11")	
Arm length		m (ft.in)	3.5 (11'6")	4.3 (14'1")	5.2 (17'1")	4.6 (15'1")	5.6 (18'4")
Bucket capacity (SAE)							
Struck*		m ³ (cu.yd)	2.1 (2.75)	1.8 (2.35)	1.6 (2.09)	2.2 (2.88)	2.2 (2.88)
Heaped*		m ³ (cu.yd)	2.7 (3.53)	2.3 (3.01)	2.0 (2.62)	2.8 (2.66)	2.8 (2.66)
A	Max. digging depth	m (ft.in)	8.49 (27'10")	9.28 (30'5")	10.23 (33'7")	9.59 (31'6")	10.6 (34'9")
B	Max. digging reach	m (ft.in)	13.02 (42'9")	13.74 (45'1")	14.63 (48'0")	14.56 (47'9")	15.64 (51'4")
C	Max. digging height	m (ft.in)	11.88 (39'0")	12.18 (40'0")	12.56 (41'3")	12.0 (39'4")	12.69 (41'8")
Tail swing radius		m (ft.in)	3.95 (13'0")	3.95 (13'0")	3.95 (13'0")	4.4 (11'10")	4.4 (14'5")

* : Reference spec., Sand/gravel bucket and Soft clay bucket etc. is fitted depend on job conditions.

Specifications



Working Range

Item		model	PC800	PC850		PC1250	
Boom length	m (ft.in)		10.0 (32'10")	8.2 (26'11")	7.1 (23'4")	9.1 (29'10")	
Arm length	m (ft.in)		5.6 (18'4")	3.6 (14'1")	2.9 (9'6")	3.4 (11'2")	4.5 (14'9")
Bucket capacity (SAE)	Struck*	m ³ (cu.yd)	1.3 (1.70)	2.4 (3.14)	3.2 (4.19)	3.9 (5.10)	3.0 (3.92)
	Heaped*	m ³ (cu.yd)	1.7 (2.22)	3.1 (4.05)	4.3 (5.62)	5.2 (6.80)	4.0 (5.23)
A	Max. digging depth	m (ft.in)	12.17 (39'11")	8.6 (28'3")	7.13 (23'5")	9.35 (30'8")	10.44 (34'3")
B	Max. digging reach	m (ft.in)	17.5 (57'5")	13.74 (45'1")	12.27 (40'3")	15.35 (50'4")	16.34 (53'7")
C	Max. digging height	m (ft.in)	13.97 (45'10")	11.84 (38'10")	11.33 (37'2")	13.4 (44'0")	13.49 (44'3")
	Tail swing radius	m (ft.in)	4.4 (14'5")	4.4 (14'5")	4.4 (14'5")	4.87 (16'0")	4.87 (16'0")

Item		model	PC1250			PC2000	
Boom length	m (ft.in)		9.1 (29'10")	11.0 (36'1")	17.5 (57'5")	12.5 (41'0")	12.0 (39'4")
Arm length	m (ft.in)		5.7 (18'8")	5.7 (18'8")	11.0 (36'1")	7.5 (24'7")	5.5 (18'1")
Bucket capacity (SAE)	Struck*	m ³ (cu.yd)	2.6 (3.40)	3.0 (3.92)	0.76 (0.99)	3.7 (4.84)	7.5 (9.81)
	Heaped*	m ³ (cu.yd)	3.4 (4.45)	4.0 (5.23)	1.0 (1.31)	5.0 (6.54)	10.2 (13.3)
A	Max. digging depth	m (ft.in)	11.59 (38'0")	12.38 (40'7")	23.69 (77'9")	16.82 (55'2")	13.71 (45'0")
B	Max. digging reach	m (ft.in)	17.45 (57'3")	18.93 (62'1")	29.71 (97'6")	22.4 (73'6")	20.96 (68'9")
C	Max. digging height	m (ft.in)	13.91 (45'8")	15.81 (51'10")	16.3 (53'6")	13.5 (44'4")	16.55 (54'4")
	Tail swing radius	m (ft.in)	4.87 (16'0")	4.87 (16'0")	5.98 (19'7")	5.98 (19'7")	5.98 (19'7")

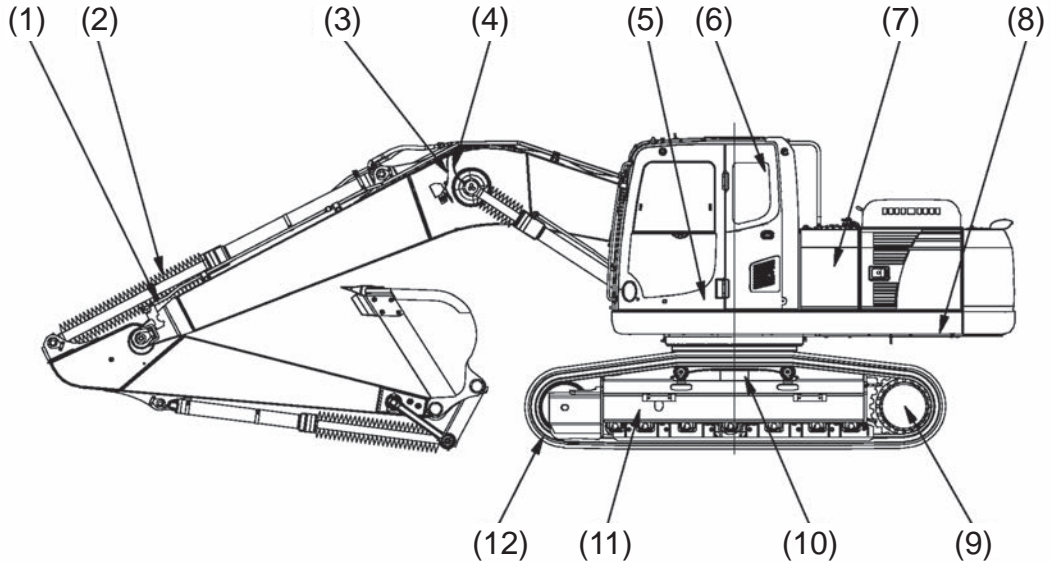
* : Reference spec., Sand/gravel bucket and Soft clay bucket etc. is fitted depend on job conditions.

Heat Resistance Specifications

The works at a steel mill in a high temperature work place, typically a slag yard, is always fraught with various problems and danger like early deterioration and corrosion of parts and ignition

Heat resistance specification are developed to protect machine from those tough working condisions.

PC350 / PC450 Heat resistance specification



(1) Heat resistance type hydraulic hoses	(7) Heat resistance type fuel hoses
(2) Hydraulic cylinder rod protective cover (boom, arm and bucket)	(8) Revolving frame under guard
(3) Work lamp wiring harness protect by cover wound	(9) Travel motor hydraulic hoses (Heat resistance type)
(4) Heat resistance type greasing hose	(10) Track frame under guard
(5) Heat resistance hoses between boom and machine	(11) Heat resistance type roller's seal (idler, carrier, track rollers and final drive)
(6) Fire extinguisher (equipped inside and outside cab)	(12) Metal type shoe link seal

CONTENTS

SECTION **4**

WHEEL LOADERS Sec 4A

WHEEL DOZERS Sec 4B

SECTION 4A

WHEEL LOADERS

CONTENTS

Features	4A-2
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■ Ecology features

- EPA Tier4 Interim and EU Stage 3B emissions certified engine (Dash 7)

Note: For details, see the page of engine features (Section 12)

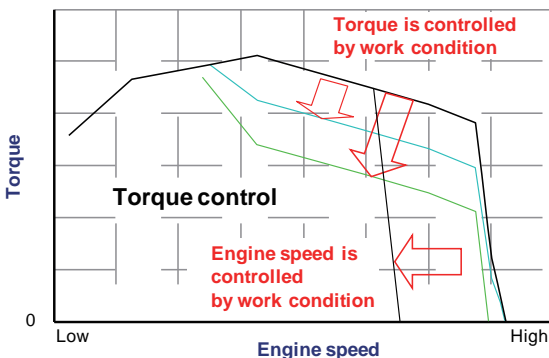
- EPA Tier4 Final and EU Stage 4 emissions certified engine (Dash 8)

Note: For details, see the page of engine features (Section 12)

■ High productivity and low fuel consumption

- Komatsu SmartLoader logic

Komatsu new wheel loaders provide Komatsu SmartLoader Logic, a new engine control system. This technology acquires data from various sensors in the vehicle and controls the engine to yield enough torque for each work phase. Engine torque requirement for a wheel loader varies depending on working conditions. For example, it requires higher torque for digging in V-shape loading, but less torque in driving with an empty bucket. This technology limits the engine torque during less demanding work, therefore saving fuel. Komatsu SmartLoader Logic functions automatically and doesn't interfere with operation, saving fuel without decreasing production.



- Enhanced lock-up

The newly designed large-capacity torque converter with lock-up is standard on Komatsu new wheel loaders, and the lock-up function activates in 2nd, 3rd and 4th gears to give the loader a maximum travel speed of 40 km/h. The large capacity torque converter with the enhanced lock-up is effective for both load and carry application, and V-shape loading which uses lower gears. The enhanced lock-up reduces the clutch engagement shock by controlling engine torque with Komatsu SmartLoader Logic. Lower fuel consumption in load-and-carry applications, and V-shape loading results from the enhanced lock-up + Komatsu SmartLoader Logic.

- Large-capacity torque converter

The newly designed power train has a large capacity torque converter for optimum efficiency. Komatsu new wheel loaders have greater productivity in V-shape loading applications because of the increased tractive effort without requiring full throttle. The improved hill climbing ability allows the Komatsu new wheel loaders to up-shift gears faster because of improved acceleration. Komatsu new wheel loaders can achieve higher gear ranges and maintain higher travel speed when working in load-and-carry applications. In most applications, production is increased and fuel consumption reduced, resulting in improved fuel efficiency.

- Dual-mode engine power select system

This wheel loader offers two selectable operating modes E and P.

- E Mode: This mode provides maximum fuel efficiency for general loading.
- P Mode: This mode provides maximum power output for hard digging operation or hill climb.



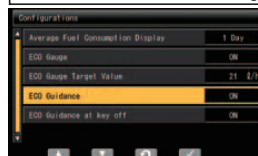
Dual mode engine power selection switch

- New E-light mode
- Auto idle shutdown
- Remote bucket & boom positioner with shockless stop function
- Automatic digging bucket
- New shape bucket
- ECO guidance

The ECO Guidance provides information on a monitor to help save fuel. The monitor displays messages in real-time during operation and on the exit screen when turning of the key. This function can be controlled through on the monitor. The operator can view fuel consumption through the monitor as well as through KOMTRAX.



User menu for ON/OFF setting



Key OFF



■ Excellent operator environment

● Ergonomic comfort

Ergonomically designed round dashboard is incorporated. Switches are arranged for easy access.



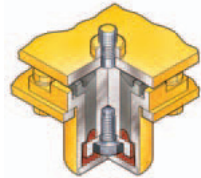
● Operator seat with EPC (Electronic Pilot Control) levers

The EPC lever console is integrated in the seat and moves with it. The angle of the armrest is fully adjustable for optimum operator comfort.



● Low noise design

The large cab is mounted with Komatsu's unique ROPS/FOPS viscous mounts. The low-noise engine, hydraulically driven fan, and hydraulic pumps are mounted with rubber cushions, and the cab sealing is improved to provide a quiet, low-vibration, dustproof, and comfortable operating environment.



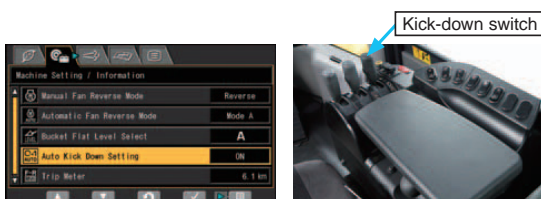
● Rear view monitoring system

The operator can view the rear of the machine with a color monitor screen.



● Automatic kick-down

Komatsu new wheel loaders have the function to shift down to F1 automatically. It can be controlled ON/OFF through the monitor.



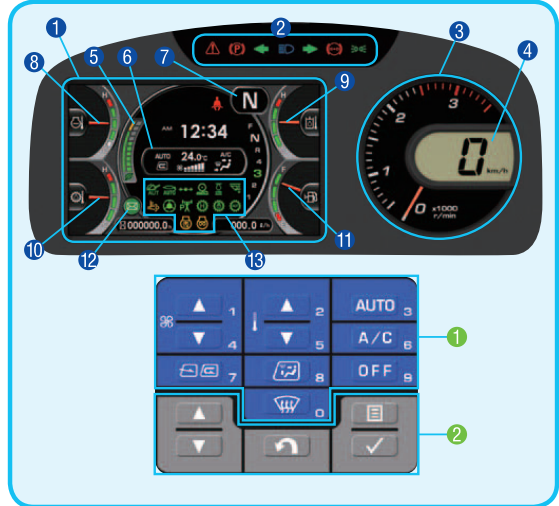
■ Information & communication technology

● Machine monitor (Dash 7)

The machine monitor display various machine information and allows for various settings of the machine. The LCD unit is a 7-inch color TFT-LCD and displays maintenance information, operation record, ECO Guidance record, etc. The switch panel is used to select various LCD unit screens and the air conditioner control screen. By using the switch panel, you can display various user menus on the LCD unit screen and perform the settings of the machine.

Machine monitor

- | | |
|---------------------------|---|
| 1 LCD unit | 8 Engine coolant temperature gauge |
| 2 LED unit | 9 Hydraulic oil temperature gauge |
| 3 Engine tachometer | 10 Torque converter oil temperature gauge |
| 4 Speedometer | 11 Fuel gauge |
| 5 ECO gauge | 12 Message pilot lamp |
| 6 Air conditioner display | 13 Pilot lamps |
| 7 Shift indicator | |



Switch panel

- 1 Air conditioner switches / Numeral key pad 2 Function switches

● High resolution 7-inch color LED monitor (Dash 8)

The machine monitor display various machine information and allows for various settings of the machine. The monitor is a 7-inch color LCD and displays maintenance information, operation record, ECO guidance record, etc. The switch panel is used to select various screens and the air conditioner control screen. By using the switch panel, you can display various user menus on the LCD screen and adjust the machine settings.

Machine monitor

- | | |
|---------------------------|---|
| 1 LCD unit | 8 Engine coolant temperature gauge |
| 2 LED unit | 9 Hydraulic oil temperature gauge |
| 3 Engine tachometer | 10 Torque converter oil temperature gauge |
| 4 Speedometer | 11 Fuel gauge |
| 5 ECO gauge | 12 Message pilot lamp |
| 6 Air conditioner display | 13 Pilot lamps |
| 7 Shift indicator | 14 DEF level gauge |



Switch panel

- 1 Air conditioner switches / Numeral key pad 2 Function switches

● Diesel Exhaust Fluid (DEF) level guidance and refill timing notice (Dash 8)

The DEF level gauge is displayed continuously on the monitor screen. In addition, when the refill timing* is reached, the DEF low level guidance appears as a pop up display to inform the operator in real time.

*: The 2014 standard covering specific special automobile exhaust gases stipulates that when the DEF level becomes very low, the engine output is limited by law.



DEF level gauge



DEF low level guidance

■ Easy maintenance

● Side-opening gull-wing engine doors

The large gull-wing type engine doors are operated with less power assisted by gas springs. The doors open in two steps. The first position is for daily maintenance and the second position is for periodic maintenance. Large steps are provided on each side of the engine to help access.



● Swing-out type cooling fan for wider core radiator

The fan drive unit swings open for cleaning. It features wider spacing of cooling fins to prevent clogging. Wide core radiator can reduce core clogging.



● Automatic reversing fan

The engine cooling fan is driven hydraulically. It can be set to operate in reverse automatically. Fan reverse mode can be controlled through the monitor.



● KDPF regeneration

Soot trapped by and accumulated in the KDPF is removed by burning it periodically and automatically.



KDPF regeneration monitor

● Maintenance function

The monitor informs when the replacement interval for oil and filters is reached.



■ **High productivity and low fuel consumption**

● **Dual-mode engine power select system**

Dash 6: E mode & P mode
(Dash5: N mode & P mode)

E mode: This mode provides maximum fuel efficiency for most of general loading.

P mode: This mode provides maximum power output for hard digging operation or hill climb.

● **Automatic transmission mode select system**

This operator controlled system allows the operator to select manual shifting or three levels of automatic shifting (low, medium, and high).

● **New dual-speed hydraulic system**

Komatsu's dual-speed hydraulic system increases operational efficiency by matching the hydraulic demands to work conditions. (Dash 5)

● **Maximum dumping clearance and reach**

The long lift arms provide high dumping clearances and maximum dumping reach. The operator can even level loads on the body of a dump truck easily and efficiently.

● **Long wheelbase/articulation angle of 40°**

The widest tread in class and the long wheelbase provide improved machine stability in both longitudinal and lateral directions. Since the articulation angle is 40°, the operator can work efficiently even in the tightest job sites. (Dash 5)

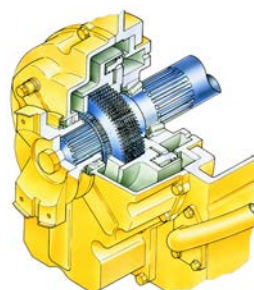
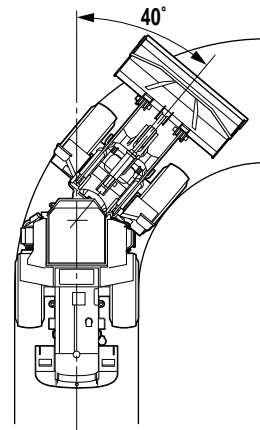
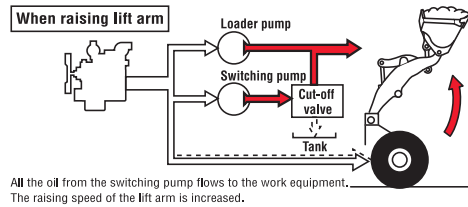
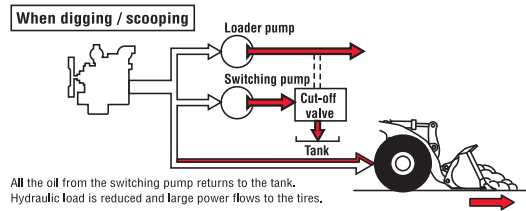
● **Low fuel consumption**

The fuel consumption is reduced greatly because of the low-noise, high-torque engine and the large-capacity torque converter with maximum efficiency in the low-speed range.

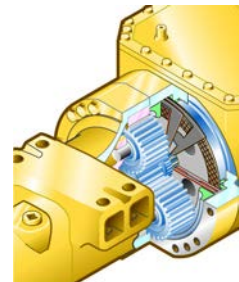
■ **Increased reliability**

● **Wet disc brakes and fully hydraulic braking system** mean lower maintenance costs and higher reliability. Wet disc brakes are fully sealed. Contaminants are kept out, reducing wear and resulting maintenance.

Brakes require no adjustments for wear, meaning even lower maintenance. The new parking brake is also an adjustment-free, wet multi-disc for high reliability and long life.



Wet multi-disc brake



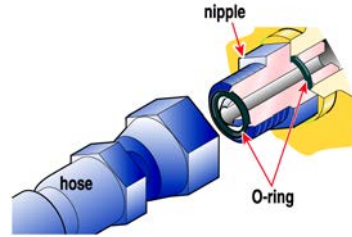
Wet type disc parking brake

• **Hi-rigidity frames**

The front and rear frames have high rigidity to bear twisting and bending loads applied repeatedly to the loader body.

• **Flat face-to-face O-ring seals**

Flat face-to-face O-ring seals are used to securely seal all hydraulic hose connections and to prevent oil leakage. In addition, buffer rings are installed to the head side of the all-hydraulic cylinders to lower the load on the rod seals and maximize the reliability.

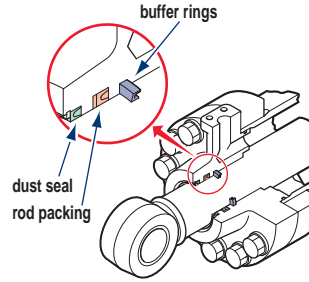


• **Cathion Electrodeposition primer paint/ powder coating final paint**

Cathion electrodeposition paint is applied as a primer paint and powder coating is applied as topcoat to the exterior metal sheet parts.

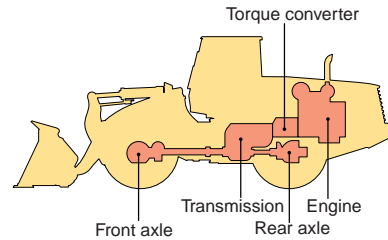
• **Sealed DT connectors**

Main harnesses and controller connectors are equipped with sealed DT connectors providing high reliability, water resistance and dust resistance.



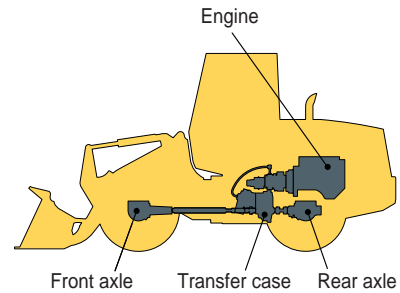
• **Komatsu components (with torque converter spec.)**

Komatsu manufactures the engine, torque converter, transmission, hydraulic units, electric parts, and even each bolt on this wheel loader.



• **Komatsu components (with HST spec.)**

Komatsu manufactures the engine, transfer case and hydraulic components on this wheel loader. Komatsu loaders are manufactured with an integrated production system under a strict quality control system.



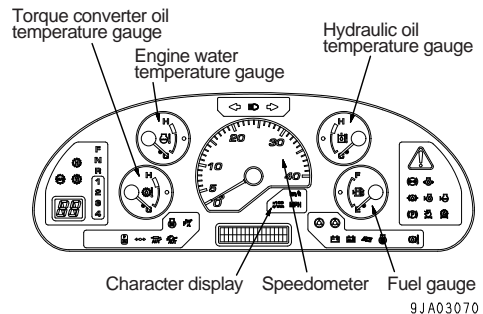
■ **Easy maintenance**

• **EMMS (Equipment Management Monitoring System)**

Monitor is mounted in front of the operator for easy view, allowing the operator to easily check gauges and warning lights.

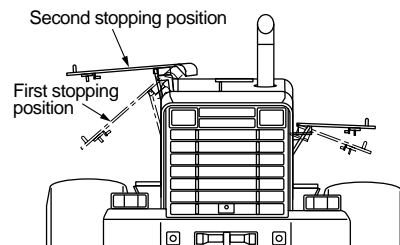
• **Reversible cooling fan**

If the machine is operating in adverse conditions, the operator can reverse the hydraulic cooling fan from inside the cab by turning on a switch on the control panel.



• **Gull-wing type engine side doors open wide**

The operator can open and close each gull-wing type engine side door easily with the assistance of a gas spring to perform daily service checks from the ground.



■ Easy & comfortable operation

● **Automatic transmission with ECMV (with torque converter spec.)**

Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV (Electronically Controlled Modulation Valve) system engages the clutch smoothly to prevent lags and shocks when shifting. This system provides efficient machine operation and a comfortable ride.

● **Kick-down switch (with torque converter spec.)**

With the touch of a finger, the kick-down switch automatically down shifts from second to first when beginning the digging cycle.

● **Electronically controlled transmission lever (with torque converter spec.)**

Easy shifting and directional changes with Komatsu two-lever electronic shifting. Change direction or shift gears with a touch of the fingers without removing the shifting hand from the steering wheel.

● **Variable transmission cut-off (with torque converter spec.)**

The operator can adjust the transmission cut-off connected to the left brake pedal with the switch near the operator's seat to set the brake/cut-off point for easier operation and higher operating performance in variable operating conditions.

- High cut-off pressure for digging operations.
- Low cut-off pressure for truck-loading operations.

● **Fingertip work equipment control lever**

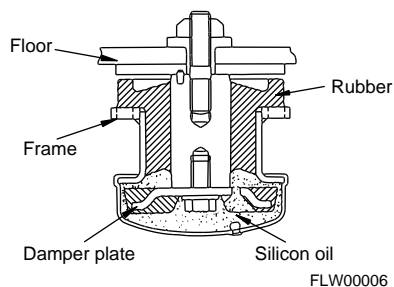
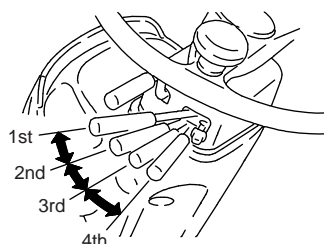
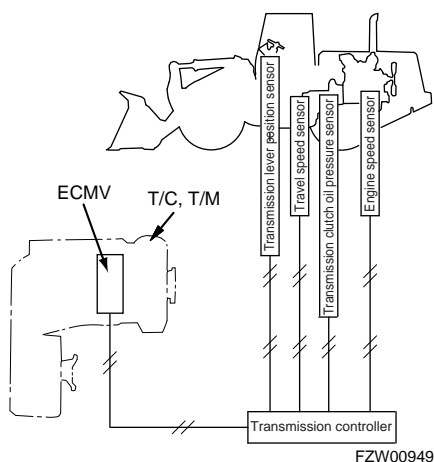
New PPC control levers are used for the work equipment. The operator can easily operate the work equipment with fingertip control, reducing operator fatigue and increasing controllability.

● **Low-noise design**

The large cab is mounted with Komatsu's unique ROPS/FOPS viscous mounts. The low-noise engine, hydraulically driven fan, and hydraulic pumps are mounted with rubber cushions, and the cab sealing is improved to provide a quiet, low-vibration, dustproof with pressurizing, and comfortable operating environment.

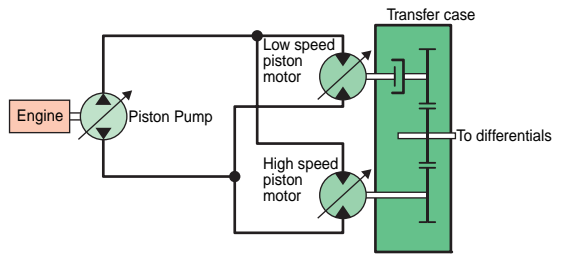
● **Rear-hinged full open cab door**

The cab door hinges are installed to the rear side of the cab providing a large opening angle for the operator to enter and exit.



■ **Electronically-controlled HST using a 1-pump, 2-motor system (with HST spec.)**

- The 1-pump, 2-motor system allows for high-efficiency and high tractive effort. Engine power is transmitted hydraulically to transfer case, then manually out to the differentials and out to the four driving wheels.
- HST provides quick travel response and aggressive drive into the pile. The variable displacement system automatically adjusts to the tractive effort demand to provide maximum power and efficiency.
- Full auto-shifting eliminates any gear shifting and kick-down operation to allow the operator to concentrate on digging and loading.
- When high drive torque is needed for digging, climbing or initiating movement, the pump feeds both motors. This combination makes the loader very aggressive and quick.
- Under deceleration, the HST system acts as a dynamic brake on the mechanical drive system. The dynamic brake can hold the loader in position on most workable slopes. This can be an advantage in stockpiling and ramp loading.

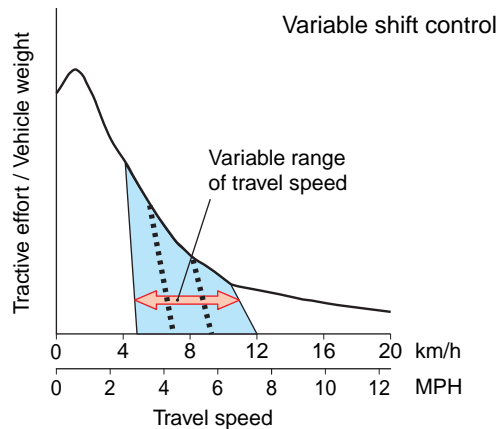


- As the machine moves and gains ground speed, the torque demand decreases and the low speed motor is effectively removed from the drive system by a clutch. At this point, the flow is going to the high-speed motor and the low-speed motor is not causing a drag on the system.
- An inching pedal gives the operator excellent simultaneous control of his travel and equipment hydraulic speeds. By depressing the inching pedal, drive pump flow to the motors will decrease, reducing ground speed and allowing the operator to use his accelerator to increase flow to his equipment hydraulics. Depressing the inching pedal further will activate the service brakes.

■ **Electronically-controlled HST with variable shift control system**

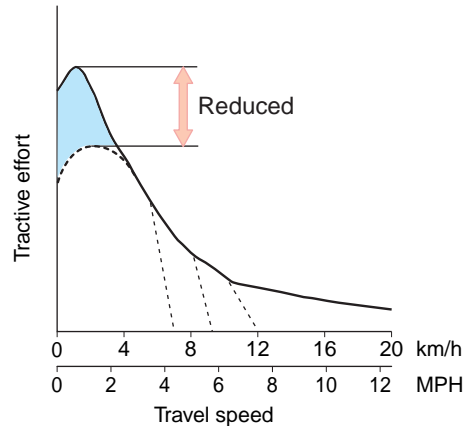
The operator can choose between first, second, third or fourth maximum speeds by dialing the speed range selector switch.

The variable shift control allows the operator to adjust his machine speed in confined v-loading applications.



■ Traction control system

In limited traction situations where the operator would like to avoid tire slippage (such as sandy or wet surface operations), he can automatically reduce slippage by activating the traction control feature. Putting the traction control switch in the "ON" position limits the maximum amount of tractive effort.



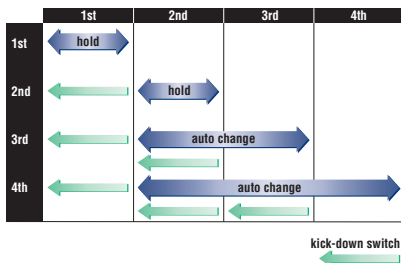
■ Overrun prevention system (with HST spec.)

When the machine descends a slope of six degrees or less, maximum travel speed is automatically restricted to specified speed, for safety protection against damage of power train components and brakes by sensing the travel speed and controlling the discharge amount of the HST pump and motor. When the machine descends a steep slope and the travel speed reaches specified speed, the caution lamp lights up to inform the operator to reduce the travel speed.

■ Automatic transmission with ECMV (with torque converter spec.)

Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV (Electronically Controlled Modulation Valve) system engages the clutch smoothly to prevent lags and shocks when shifting. This system provides efficient machine operation and a comfortable ride.

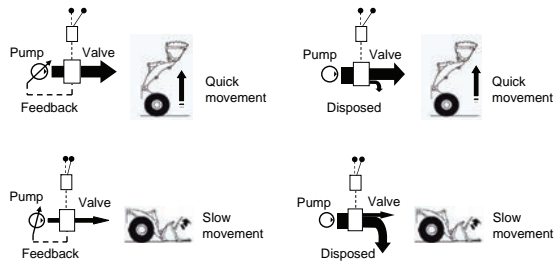
- Kick-down switch: Consider this valuable feature for added productivity. With the touch of a finger, the kick-down switch automatically downshifts from second to first when beginning the digging cycle. It automatically up shifts from first to second when the direction control lever is placed in reverse. This results in increased rim pull for better bucket penetration and reduced cycle times for higher productivity.
- Hold switch: Auto shift is selected and if the operator turns on this switch when the lever is at the 3rd or 4th gear speed position, the transmission is fixed to that gear speed.



■ Variable displacement piston pump & CLSS

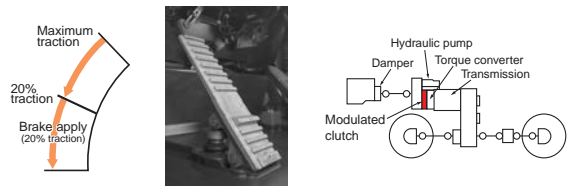
New design variable displacement piston pump combined with the Closed-center Load Sensing System delivers hydraulic flow just as the job requires preventing wasted hydraulic pressure. Minimized waste loss contributes to better fuel economy.

- **New Variable Displacement Piston Pump:** The pump delivers only necessary amounts minimizing waste loss.
- **Fixed Displacement Gear Pump:** The pump delivers the maximum amount at any time and the unused flow is disposed.



■ Modulated clutch system

The Modulated Clutch System controls the tractive effort with left brake pedal from 100% to 20% of the converter output torque.



■ Lock-up torque converter

The Komatsu designed lock-up torque converter provides increased production efficiency, reduced cycle times and optimum fuel savings in load & carry or hill-climb operations.

■ Variable transmission cut-off

The operator can adjust the transmission cut-off connected to the left brake pedal with the switch near the operator's seat to set the brake/cut-off point for easier operation and higher operating performance in variable operating conditions.

- High cut-off pressure for digging operations.
- Low cut-off pressure for truck-loading operations.

■ Ecology features

ecot 3 (EPA Tier 3, EU Stage 3A certified engine)

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.

With this "Komatsu Technology", and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.

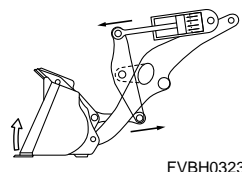
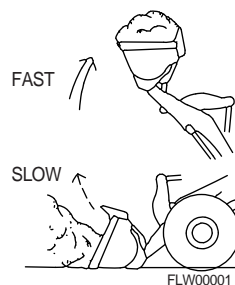
The result is a new generation of high performance and environment friendly machines. (Dash 6)

■ Fuel efficient electronic controlled engine

The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection system and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance. To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions. (Dash 6)

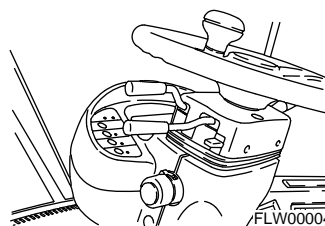
■ **Excellent productivity**

- Dual hydraulic speed system to reduce cycle time
- High capacity engine with power to spare
The powerful Komatsu engine provides fuel-efficient operation.
- High breakout force
Z-bar loader linkages are made of high-tensile-strength steel for maximum rigidity and powerful excavation.

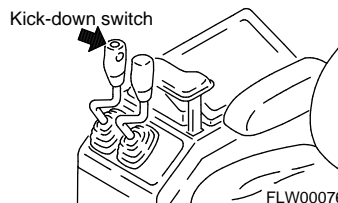


■ **Easy & comfortable operation**

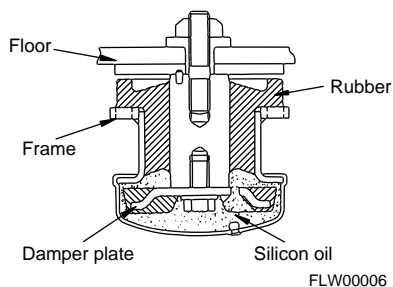
- Light-touch operations
Electrically controlled transmission enables light fingertip control of all direction/gear shifting.
- Use of PPC work equipment control valve



- Faster pile-penetration & scooping
Kick-down switch on the boom control lever facilitates material scooping operation.
- Tilttable steering column & one-glance monitor
Tilttable steering wheel and adjustable seat provide operator comfort and efficiency.



- Low vibration & noise
Komatsu viscous damping mounts reduce unpleasant vibration and noise.

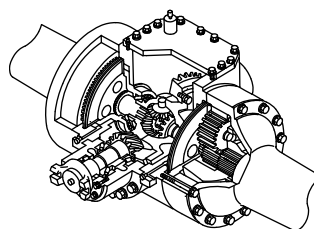


- Easy-to-use with organ-type brake pedal
- Switches centralized in front of operator
- Quick glow automatic preheating system employed
- AJSS (Advanced Joystick Steering System) with light, short strokes for perfect steering accuracy.
- Variable transmission cut-off system



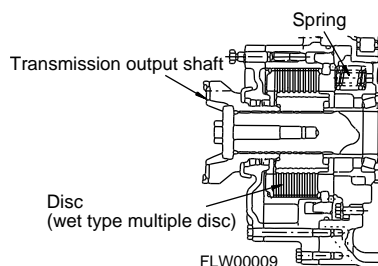
■ Easy maintenance and safety

- Fully-sealed wet disc brake
Adjustment-free wet disc brakes ensure braking even on muddy terrain. They are sealed to stay free of dirt and other abrasive contaminants.



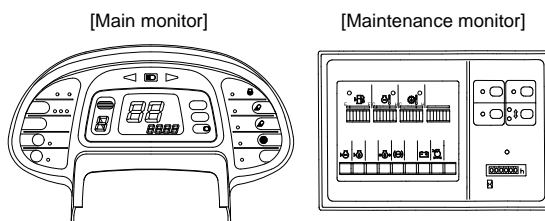
FLW00052

- Wet disc type parking brake
The parking brake prevents the entry of dirt or dust and reduced wear to make the parking brake maintenance free.

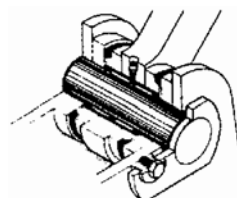
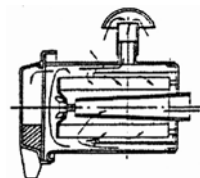


FLW00009

- Electric display panel one unit with steering column
The main monitor and the maintenance monitor (EDIMOS II) are neatly arranged on the instrument panel for a quick, clear reading of machine functions at all times.

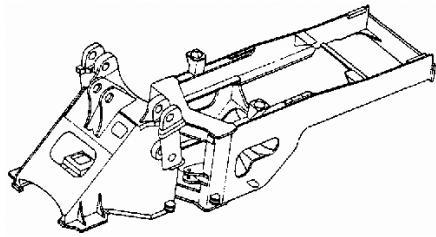


- Spin-on type full-flow engine oil filters and fuel filters for easy element replacement.
- Dry type air cleaner with automatic dust evacuator for longer element service.
- Sealed loader linkage pins with dust seals and cord rings extend greasing intervals.

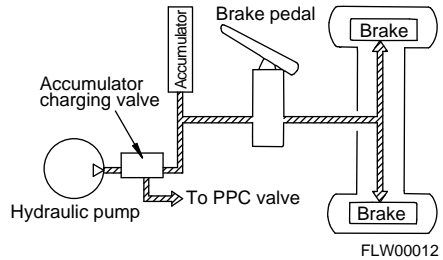


■ Dependable and high-performance components

- High-rigidity frames
Front and rear frames are made as one larger loader class to provide high rigidity for the power train and loader equipment.
The high-rigidity frames, together with the reinforced loader linkage for resist loading stress and shock.

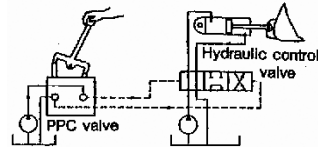


- Dependable braking system
Two independent fully hydraulic brake lines are used for the brake control system.



- High-quality paint
Most exterior plates are treated with a cation electro-deposition undercoat and melamine baked final paint for rust resistance and longer service life.
In addition, some exterior components employ resin.

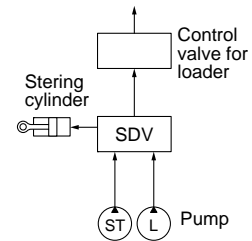
- Proportional pressure control (PPC): Little effort is required to operate the bucket and boom control levers, assuring smooth, responsive bucket/boom action.



- Tilttable steering wheel and fully adjustable suspension seat provide maximum operator comfort.

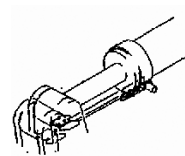


- Hydraulic power steering system guarantees light-touch steering at all times.
- High machine stability is assured by a center-pin-supported rear axle and large oscillation angle that keep the machine level even on the roughest surfaces.

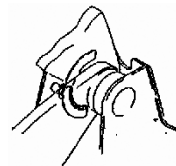


FVBH0324

- Automatic bucket positioner assures accurate bucket positioning.



- Boom kick out device facilitates repeated dig-load operations.



Features Features Matrix

WHEEL LOADERS

Generation: Dash Series 3

(Note: ● : Standard equipment, ○ :Optional equipment)

Model	WA700-900	WA800-900
Feature	3	3E0
■ Excellent productivity	●	●
• Dual hydraulic speed system	●	●
• High capacity engine with power to spare The powerful Komatsu engine provides fuel efficient operation	●	●
• High breakout force Z-bar loader linkages are made of high-tensile-strength steel for maximum rigidity and powerful excavation.	●	●
■ Easy & comfortable operation	●	●
• Light-touch operations Electrically controlled transmission enables light fingertip control of all direction/gear shifting.	●	●
• Use of PPC work equipment control valve	●	●
• Faster pile-penetration & scooping Kick-down switch on the boom control lever facilitates material scooping operation.	●	●
• Tiltable steering column & one-glance monitor Tiltable steering wheel and adjustable seat provide operator comfort and efficiency.	●	●
• Low vibration & noise Komatsu viscous damping mounts reduce unpleasant vibration and noise.	●	●
• Easy-to-use with organ-type brake pedal	●	●
• Switches centralized in front of operator	●	●
• Quick glow automatic preheating system employed	●	●
• AJSS (Advanced Joystick Steering System) with light, short strokes for perfect steering accuracy.	○ (WA700-3 only)	○
• Variable transmission cut-off system	●	●
■ Easy maintenance and safety	●	●
• Fully-sealed wet disc brake	●	●
• Wet disc type parking brake	●	●
• Electric display panel one unit with steering column	●	●
• Spin-on type Full-flow engine oil filters and fuel filters for easy element replacement	●	●
• Dry type air cleaner with automatic dust evacuator for longer element service	●	●
• Sealed loader linkage pins with dust seals and cord rings extend greasing intervals.	●	●
■ Dependable and high-performance components	●	●
• High-rigidity frames	●	●
• Dependable braking system Two independent fully hydraulic brake lines are used for the brake control system.	●	●
• High-quality paint Most exterior plates are treated with a cation electro-deposition undercoat and melamine baked final paint for rust resistance and longer service life.	●	●
• Proportional pressure control (PPC)	●	●
• Tiltable steering wheel and fully adjustable suspension seat provide maximum operator comfort.	●	●
• Hydraulic power steering system guarantees light-touch steering at all times.	●	●
• High machine stability is assured by a center-pin-supported rear axle and large oscillation angle that keep the machine level even on the roughest surfaces.	●	●
• Automatic bucket positioner assures accurate bucket positioning.	●	●
• Boom kick out device facilitates repeated dig-load operations.	●	●

Features Features Matrix

WHEEL LOADERS

Generation: Dash 5, Dash 6, Dash 7, Dash 8 Series

(Note: ● : Standard equipment, ○ :Optional equipment)

Feature	Model Type	WA150		WA200				WA250		WA270		WA320				
		5	6	5	6	7	8	5	6	7	8	5	6	7	8	
■ High productivity and low fuel consumption																
• Komatsu SmartLoader Logic										●	●				●	●
• Dual-mode engine power select system																
- E light mode (Some Dash 8)																
- E mode (N mode: Dash 5)																
- P mode																
• ECO guidance										●	●				●	●
• Automatic transmission with shift mode select system																
• New dual-speed hydraulic system																
• Variable displacement piston pump & CLSS (Closed-center Load Sensing System)										●	●				●	●
- Variable displacement piston pump										●	●				●	●
- Fixed displacement piston pump																
• Large-capacity torque converter																
• Lock-up torque converter																
■ Increased reliability																
• Wet disc brakes and fully hydraulic braking system		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Hi-rigidity frames		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Flat face-to-face O-ring seals		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Komatsu components		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Cathion Electrodeposition primer paint / powder coating final paint		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Sealed DT connectors		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
■ Easy maintenance																
• EMMS (Equipment Management Monitoring System)		●	●	●	●			●	●				●	●		
• Machine monitor with troubleshooting function						●	●			●	●				●	●
• Reversible cooling fan			●		●	●	●		●	●	●		●	●	●	●
• Gull-wing type engine side doors		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Swing-out type cooling fan for wider core radiator						●	●			●	●				●	●
• Automatic reversing fan			○		○	●	●		○	●	●		○	●	●	●
• KDPF regeneration						●	●			●	●				●	●
• Maintenance function						●	●			●	●				●	●
■ Easy & comfortable operation (with torque converter spec.)																
• Automatic transmission with Electronically Controlled Modulation Valve (ECMV)																
• Kick-down switch																
• Electronically controlled transmission lever																
• Variable transmission cut-off																
• Modulated clutch system																
• Fingertip work equipment control lever																
■ Easy & comfortable operation (with HST (Hydro-static transmission))																
• Electronically-controlled HST (Hydro-static transmission) using a 1-pump, 2-motor system		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Electrically-controlled HST (Hydro-static transmission) with variable shift control system		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Traction control system		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Overrun prevention system		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
■ Excellent operator environment																
• Ergonomic comfort																
• Operator seat with EPC (Electronic pilot control) levers																
• Automatic kick-down																
• Rear view monitoring system						●	●			●	●				●	●
• Low-noise design		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
• Rear-hinged full open cab door		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
■ Information & communication technology																
• Machine monitor (Dash 7)						●				●					●	
• High Resolution 7-inch Color LCD Monitor (Dash 8)							●				●					●

Specifications

WHEEL LOADERS

Item		Model	WA50-6	WA70-7	WA80M-7	WA100M-8
Source			Japan	Germany	Germany	Germany
Emissions				T3/S3A	T4i/S3B	T4F/S4
OPERATING WEIGHT*		kg (lb)	3675 (8,100)	5035 (11,100) - 5380 (11,860)	5485 (12,090) - 5990 (13,210)	7135 (15,730) - 7430 (16,380)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	29.7 (39.8)/2400 28.7 (38.6)/2400	36.9 (49.5)/2350	52.0 (69.7)/2200	69.8 (93.6)/2000
BUCKET CAPACITY*		m ³ (cu.yd)	0.6 (0.8)	0.75 (0.98) - 1.25 (1.64)	0.8 (1.05) - 1.25 (1.64)	1.05 (1.37) - 1.8 (2.35)
PERFORMANCE: Travel speeds:		km/h (MPH)				
Forward			0-15.0 (9.3)	5.0 (3.1) 20.0 (12.4)	4.5 (2.8)/8.5 (5.3) ^{*5} 20.0 (12.4)/30.0 (18.6) ^{*5}	6.0 (3.7)/15 (9.3) ^{*6} 20.0 (12.4)/40.0 (24.9) ^{*6} Creep: 10.0 (6.2)
Reverse			0-15.0 (9.3)	5.0 (3.1) 20.0 (12.4)	4.5 (2.8)/8.5 (5.3) ^{*5} 20.0 (12.4)/30.0 (18.6) ^{*5}	4.5 (2.8)/8.5 (5.3) ^{*6} 20.0 (12.4)/40.0 (24.9) ^{*6} Creep: 10.0 (6.2)
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	42.5	40	42	42
DIMENSIONS*:		mm (ft.in)				
ENGINE: Model			KOMATSU 4D88E-6B 4-88 × 90 (3.46 × 3.54)	KOMATSU 4D95LWE-5 4-95 × 115 (3.74 × 4.53)	KOMATSU SAA4D95LWE-6 4-95 × 115 (3.74 × 4.53)	KOMATSU SAA4D94LE-3 4-94 × 110 (3.70 × 4.33)
No. of cylinders-bore × stroke		mm (in)				
Piston displacement		ltr. (cu.in)	2.189 (135)	3.26 (199)	3.26 (199)	3.05 (186)
CAPACITY: Fuel tank		ltr. (U.S. Gal)	50 (13.2)	132 (34.9)	130 (34.3)	110 (29.1)

Item		Model	WA100M-7	WA150-6	WA150-5	WA200-8
Source			Germany	Japan	Japan	Japan
Emissions			T4i/S3B	T3/S3A		T4F/S4
OPERATING WEIGHT*		kg (lb)	6925 (15,270) - 7230 (15,940)	7630 (16,830) - 7770 (17,130)	7410 (16,336) - 7495 (16,524)	11715 (25,830) - 12015 (26,490)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	66.0 (88.5)/2350	74 (99)/2200 73 (98)/2200 71 (95)/2200	71 (96)/2000	95.2 (128)/2000 94.0 (126)/2000
BUCKET CAPACITY*		m ³ (cu.yd)	1.05 (1.37) - 1.8 (2.35)	1.2 (1.6) - 1.7 (2.2)	1.3 (1.7) - 1.7 (2.2)	2.0 (2.6)
PERFORMANCE: Travel speeds:		km/h (MPH)				
Forward			5.0 (3.1)/6.6 (4.1) ^{*5} 20.0 (12.4)/30.0 (18.6) ^{*5}	5.3-13.0 (3.3-8.1)** 13.0 (8.1) 22.4 (13.9) 36.2 (22.5)	4.6-13.0 (2.9-8.1)** 13.0 (8.1) 20.0 (12.4) 38.0 (23.6)	5.2-14.3 (3.2-8.9)** 14.3 (8.9) 23.2 (14.4) 38.0 (23.6)
Reverse			4.5 (2.8)/8.5 (5.3) ^{*5} 20.0 (12.4)/30.0 (18.6) ^{*5}	5.3-13.0 (3.3-8.1)** 13.0 (8.1) 22.4 (13.9) 36.2 (22.5)	4.6-13.0 (2.9-8.1)** 13.0 (8.1) 20.0 (12.4) 38.0 (23.6)	5.2-14.3 (3.1-4.1)** 14.3 (8.9) 23.2 (14.4) 38.0 (23.6)
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	42	38/40	40	38/40
DIMENSIONS*:		mm (ft.in)				
ENGINE: Model			KOMATSU SAA4D95LE-6 4-95 × 115 (3.74 × 4.53)	KOMATSU SAA4D95LE-5 4-95 × 115 (3.74 × 4.53)	KOMATSU SAA4D102E-2 4-102 × 120 (4.02 × 4.72)	KOMATSU SAA4D107E-3 4-107 × 124 (4.21 × 4.88)
No. of cylinders-bore × stroke		mm (in)				
Piston displacement		ltr. (cu.in)	3.26 (199)	3.26 (199)	3.92 (239)	4.46 (272)
CAPACITY: Fuel tank		ltr. (U.S. Gal)	130 (34.3)	133 (35.1)	133 (35.1)	177 (46.8)

*: See PERFORMANCE DATA

** : 1st speed can be set variably

*5: Max. travel speed: 30 km/h (18.6 MPH) version

*6: Max. travel speed: 40 km/h (24.9 MPH) version

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Item		Model	WA200-8	WA200-7	WA200-7	WA200-6
Source			Germany	Japan	Germany	Japan
Emissions			T4F/S4	T4i/S3B	T4i/S3B	T3/S3A
OPERATING WEIGHT*		kg (lb)	11865 (26,160) - 13065 (28,800)	11495 (25,340) - 11890 (26,210)	11345 (25,010) - 11840 (26,100)	9585 (21,131) - 9715 (21,418)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	95.2 (128)/2000 94.0 (126)/2000	95.2 (128)/2000 94.0 (126)/2000	95.2 (128)/2000 94.0 (126)/2000	95.2 (128)/2000 94 (126)/2000 91 (122)/2000
BUCKET CAPACITY*		m ³ (cu.yd)	1.9 (2.5) - 2.0 (2.6)	2.0 (2.6)	1.9 (2.5) - 2.1 (2.7)	1.7 (2.2) - 2.4 (3.1)
PERFORMANCE: Travel speeds:		km/h (MPH)				
Forward			5.2-14.3 (3.2-8.9)**	5.2-14.3 (3.2-8.9)**	5.0-14.0 (3.1-8.7)**	4.0-13.0 (2.5-8.1)**
1st			14.3 (8.9)	14.3 (8.9)	14.0 (8.7)	13.0 (8.1)
2nd			23.2 (14.4)	23.2 (14.4)	23.0 (14.3)	20.0 (12.4)
3rd			38.0 (23.6)	38.0 (23.6)	38.0 (23.6)	34.5 (21.4)
4th						
Reverse			5.2-14.3 (3.1-4.1)**	5.2-14.3 (3.1-4.1)**	5.0-14.0 (3.1-8.7)**	4.4-14.3 (2.7-8.9)**
1st			14.3 (8.9)	14.3 (8.9)	14.0 (8.7)	14.3 (8.9)
2nd			23.2 (14.4)	23.2 (14.4)	23.0 (14.3)	22.0 (13.7)
3rd			38.0 (23.6)	38.0 (23.6)	38.0 (23.6)	38.0 (23.6)
4th						
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	38/40	38/40	40	38/40
DIMENSIONS*:		mm (ft.in)				
ENGINE: Model			KOMATSU SAA4D107E-3	KOMATSU SAA4D107E-2	KOMATSU SAA4D107E-2	KOMATSU SAA4D107E-1
No. of cylinders- bore × stroke		mm (in)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	4.46 (272)	4.46 (272)	4.46 (272)	4.46 (272)
CAPACITY: Fuel tank		ltr. (U.S. Gal)	177 (46.8)	177 (46.8)	177 (46.8)	177 (46.8)

Item		Model	WA200-6	WA200PZ-6	WA200PZ-6	WA200-5
Source			Brazil	Japan	Germany	Japan, Thailand
Emissions			T3/S3A	T3/S3A	T3/S3A	
OPERATING WEIGHT*		kg (lb)	10515 (23,180) - 10650 (23,480)	11450 (25,240)	11730 (25,860) - 11855 (26,140)	9425 (20,779) - 9555 (21,065)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	95.2 (128)/2000 94.0 (126)/2000	95.2 (128)/2000 94 (126)/2000	95.2 (128)/2000 94 (126)/2000	92 (123)/2000
BUCKET CAPACITY*		m ³ (cu.yd)	1.7 (2.2) - 2.4 (3.1)	2.0 (2.6)	1.9 (2.5) - 2.1 (2.7)	1.7 (2.2) - 2.4 (3.1)
PERFORMANCE: Travel speeds:		km/h (MPH)				
Forward			4.0-13.0 (2.5-8.1)**	4.4-14.3 (2.7-8.9)**	4.4-14.3 (2.7-8.9)**	4.0-13.0 (2.5-8.1)**
1st			13.0 (8.1)	14.3 (8.9)	14.3 (8.9)	13.0 (8.1)
2nd			20.0 (12.4)	22.0 (13.7)	22.0 (13.7)	20.0 (12.4)
3rd			34.5 (21.4)	38.0 (23.6)	38.0 (23.6)	34.5 (21.4)
4th						
Reverse			4.0-13.0 (2.5-8.1)**	4.4-14.3 (2.7-8.9)**	4.4-14.3 (2.7-8.9)**	4.0-13.0 (2.5-8.1)**
1st			13.0 (8.1)	14.3 (8.9)	14.3 (8.9)	13.0 (8.1)
2nd			20.0 (12.4)	22.0 (13.7)	22.0 (13.7)	20.0 (12.4)
3rd			34.5 (21.4)	38.0 (23.6)	38.0 (23.6)	34.5 (21.4)
4th						
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	38/40	38/40	38/40	40
DIMENSIONS*:		mm (ft.in)				
ENGINE: Model			KOMATSU SAA4D107E-1	KOMATSU SAA4D107E-1	KOMATSU SAA4D107E-1	KOMATSU SAA6D102E-2
No. of cylinders- bore × stroke		mm (in)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	4-107 × 124 (4.21 × 4.88)	6-102 × 120 (4.02 × 4.72)
Piston displacement		ltr. (cu.in)	4.46 (272)	4.46 (272)	4.46 (272)	5.88 (359)
CAPACITY: Fuel tank		ltr. (U.S. Gal)	177 (46.8)	177 (46.8)	177 (46.8)	175 (46.2)

*: See PERFORMANCE DATA

** : 1st speed can be set variably

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Item	Model	WA250-6	WA250PZ-6	WA250PZ-6	WA250-5
Source		Japan	Japan	Germany	Japan
Emissions		T3/S3A	T3/S3A	T3/S3A	
OPERATING WEIGHT*	kg (lb)	10815 (23,845) - 11055 (24,370)	12690 (27,980)	12325 (27,170) - 13055 (28,780)	10565 (23,292) - 10710 (23,611)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	104 (140)/2000 103 (138)/2000 100 (134)/2000	104 (140)/2000 103 (138)/2000	104 (139)/2000 103 (138)/2000	101 (135)/2000
BUCKET CAPACITY*	m ³ (cu.yd)	1.8 (2.4) - 2.7 (3.5)	2.2 (2.9)	2.0 (2.6) - 2.5 (3.3)	1.9 (2.5) - 2.7 (3.5)
PERFORMANCE: Travel speeds:	km/h (MPH)				
Forward 1st		3.6-11.7 (2.2-7.3)**	4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**	3.6-11.7 (2.2-7.3)**
2nd		11.7 (7.3)	13.0 (8.1)	13.0 (8.1)	11.7 (7.3)
3rd		16.2 (10.1)	18.0 (11.2)	18.0 (11.2)	16.2 (10.1)
4th		34.2 (21.2)	38.0 (23.6)	38.0 (23.6)	34.2 (21.2)
Reverse 1st		4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**	3.6-11.7 (2.2-7.3)**
2nd		13.0 (8.1)	13.0 (8.1)	13.0 (8.1)	11.7 (7.3)
3rd		18.0 (11.2)	18.0 (11.2)	18.0 (11.2)	16.2 (10.1)
4th		38.0 (23.6)	38.0 (23.6)	38.0 (23.6)	34.2 (21.2)
Turning radius* (Outside corner of bucket)	mm (ft.in)				
Articulation angle: each dire./end stop	degree	38/40	38/40	40	40
DIMENSIONS*:	mm (ft.in)				
ENGINE: Model		KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU SAA6D102E-2
No. of cylinders- bore × stroke	mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.85)	6-102 × 120 (4.02 × 4.72)
Piston displacement	ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	5.88 (359)
CAPACITY: Fuel tank	ltr. (U.S. Gal)	186 (49.1)	186 (49.1)	186 (49.1)	184 (48.6)

Item	Model	WA270-8	WA270-8	WA270-8	WA270-7
Source		Japan	USA	Germany	Japan
Emissions		T4F/S4	T4F/S4	T4F/S4	T4i/S3B
OPERATING WEIGHT*	kg (lb)	12795 (28,210) - 13190 (29,080)	12795 (28,210) - 13190 (29,080)	13030 (28,730) - 13470 (29,700)	12580 (27,730)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	115 (153)/2000 111 (149)/2000	115 (153)/2000 111 (149)/2000	115 (153)/2000 111 (149)/2000	115 (153)/2000 111 (149)/2000
BUCKET CAPACITY*	m ³ (cu.yd)	1.9 (2.5) - 2.7 (3.5)	1.9 (2.5) - 2.7 (3.5)	2.1 (2.7) - 2.5 (3.3)	2.3 (3.0)
PERFORMANCE: Travel speeds:	km/h (MPH)				
Forward 1st		1.0-13.0(0.6-8.1)**	1.0-13.0(0.6-8.1)**	1-13 (0.6-8.1)**	1.0-13.0(0.6-8.1)**
2nd		13.0 (8.1)	13.0 (8.1)	13 (8.1)	13.0 (8.1)
3rd		19.0 (11.8)	19.0 (11.8)	19 (11.8)	19.0 (11.8)
4th		38.0 (23.6)	38.0 (23.6)	38 (23.6)	38.0 (23.6)
Reverse 1st		1.0-13.0(0.6-8.1)**	1.0-13.0(0.6-8.1)**	1-13 (0.6-8.1)**	1.0-13.0(0.6-8.1)**
2nd		13.0 (8.1)	13.0 (8.1)	13 (8.1)	13.0 (8.1)
3rd		19.0 (11.8)	19.0 (11.8)	19 (11.8)	19.0 (11.8)
4th		38.0 (23.6)	38.0 (23.6)	38 (23.6)	38.0 (23.6)
Turning radius* (Outside corner of bucket)	mm (ft.in)				
Articulation angle: each dire./end stop	degree	38/40	38/40	40	38/40
DIMENSIONS*:	mm (ft.in)				
ENGINE: Model		KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-2
No. of cylinders- bore × stroke	mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement	ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
CAPACITY: Fuel tank	ltr. (U.S. Gal)	186 (49.1)	186 (49.1)	186 (49.1)	186 (49.1)

*: See PERFORMANCE DATA

** : 1st speed can be set variably

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Item		Model	WA270-7	WA270-7	WA320-8	WA320-8
Source			USA	Germany	Japan	USA
Emissions			T4i/S3B	T4i/S3B	T4F/S4	T4F/S4
OPERATING WEIGHT*		kg (lb)	12775 (28,160) - 13290 (29,300)	12600 (27,780) - 13100 (28,880)	15480 (34,130) - 15600 (34,390)	15480 (34,130) - 15870 (34,990)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	115 (153)/2000 111 (149)/2000	115 (153)/2000 111 (149)/2000	127 (170)/2100 123 (165)/2100	127 (170)/2100 123 (165)/2100
BUCKET CAPACITY*		m ³ (cu.yd)	1.9 (2.5) - 2.7 (3.5)	2.0 (2.6) - 2.5 (3.3)	2.3 (3.0) - 3.2 (4.2)	2.3 (3.0) - 3.2 (4.2)
PERFORMANCE: Travel speeds:		km/h (MPH)				
Forward 1st			1.0-13.0(0.6-8.1)**	1-13 (0.6-8.1)**	1.0-13.0(0.6-8.1)**	1.0-13.0(0.6-8.1)**
2nd			13.0 (8.1)	13 (8.1)	13.0 (8.1)	13.0 (8.1)
3rd			19.0 (11.8)	19 (11.8)	18.7 (11.6)	18.7 (11.6)
4th			38.0 (23.6)	38 (23.6)	38.0 (23.6)	38.0 (23.6)
Reverse 1st			1.0-13.0(0.6-8.1)**	1-13 (0.6-8.1)**	1.0-13.0(0.6-8.1)**	1.0-13.0(0.6-8.1)**
2nd			13.0 (8.1)	13 (8.1)	13.0 (8.1)	13.0 (8.1)
3rd			19.0 (11.8)	19 (11.8)	18.7 (11.6)	18.7 (11.6)
4th			38.0 (23.6)	38 (23.6)	38.0 (23.6)	38.0 (23.6)
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	38/40	40	38.5/40	38.5/40
DIMENSIONS*:		mm (ft.in)				
ENGINE: Model			KOMATSU SAA6D107E-2	KOMATSU SAA6D107E-2	KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-3
No. of cylinders- bore x stroke		mm (in)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
CAPACITY: Fuel tank		ltr. (U.S. Gal)	186 (49.1)	186 (49.1)	245 (64.7)	245 (64.7)

Item		Model	WA320-8	WA320-7	WA320-7	WA320-7
Source			Germany	Japan	USA	Germany
Emissions			T4F/S4	T4i/S3B	T4i/S3B	T4i/S3B
OPERATING WEIGHT*		kg (lb)	15700 (34,610) - 16560 (36,510)	15300 (33,730) - 15415 (33,980)	15300 (33,730) - 15415 (33,980)	15230 (33,580) - 16095 (35,480)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net		kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	127 (170)/2100 123 (165)/2100	127 (170)/2100 123 (165)/2100	127 (170)/2100 123 (165)/2100	127 (170)/2100 123 (165)/2100
BUCKET CAPACITY*		m ³ (cu.yd)	2.6 (3.4) - 2.8 (3.7)	2.8 (3.7) - 3.2 (4.2)	2.8 (3.7) - 3.2 (4.2)	2.6 (3.4) - 3.2 (4.2)
PERFORMANCE: Travel speeds:		km/h (MPH)				
Forward 1st			1-13 (0.6-8.1)**	1.0-13.0(0.6-8.1)**	1.0-13.0(0.6-8.1)**	1-13 (0.6-8.1)**
2nd			13 (8.1)	13.0 (8.1)	13.0 (8.1)	13 (8.1)
3rd			19 (11.8)	18.7 (11.6)	18.7 (11.6)	19 (11.8)
4th			38 (23.6)	38.0 (23.6)	38.0 (23.6)	38 (23.6)
Reverse 1st			1-13 (0.6-8.1)**	1.0-13.0(0.6-8.1)**	1.0-13.0(0.6-8.1)**	1-13 (0.6-8.1)**
2nd			13 (8.1)	13.0 (8.1)	13.0 (8.1)	13 (8.1)
3rd			19 (11.8)	18.7 (11.6)	18.7 (11.6)	19 (11.8)
4th			38 (23.6)	38.0 (23.6)	38.0 (23.6)	38 (23.6)
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	40	38.5/40	38.5/40	40
DIMENSIONS*:		mm (ft.in)				
ENGINE: Model			KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-2	KOMATSU SAA6D107E-2	KOMATSU SAA6D107E-2
No. of cylinders- bore x stroke		mm (in)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
CAPACITY: Fuel tank		ltr. (U.S. Gal)	245 (64.7)	245 (64.7)	245 (64.7)	245 (64.7)

*: See PERFORMANCE DATA

** : 1st speed can be set variably

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Item	Model	WA320-6	WA320-6	WA320PZ-6	WA320-5
Source		Japan	Brazil	Japan	Japan, Thailand
Emissions		T3/S3A	T3/S3A	T3/S3A	T4F/S4
OPERATING WEIGHT*	kg (lb)	13705 (30,215) - 14025 (30,920)	13705 (30,215) - 14025 (30,920)	15280 (33,690)	13520 (29,806) - 13710 (30,225)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	127.3 (171)/2000 125 (167)/2000 117 (156)/2000	127 (171)/2100 125 (167)/2100 117 (156)/2000	127.3 (171)/2000 125 (167)/2000 117 (156)/2000	124 (166)/2000
BUCKET CAPACITY*	m ³ (cu.yd)	2.1 (2.7) - 3.2 (4.2)	2.1 (2.7) - 3.2 (4.2)	2.7 (3.5)	2.3 (3.0) - 3.2 (4.2)
PERFORMANCE: Travel speeds:	km/h (MPH)				
Forward 1st		4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**
2nd		13.0 (8.1)	13 (8.1)	13.0 (8.1)	13.0 (8.1)
3rd		18.7 (11.6)	18.7 (11.6)	18.7 (11.6)	18.0 (11.2)
4th		38.0 (23.6)	38 (23.6)	38.0 (23.6)	38.0 (23.6)
Reverse 1st		4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**	4.0-13.0 (2.5-8.1)**
2nd		13.0 (8.1)	13 (8.1)	13.0 (8.1)	13.0 (8.1)
3rd		18.7 (11.6)	18.7 (11.6)	18.7 (11.6)	18.0 (11.2)
4th		38.0 (23.6)	38 (23.6)	38.0 (23.6)	38.0 (23.6)
Turning radius* (Outside corner of bucket)	mm (ft.in)				
Articulation angle: each dire./end stop	degree	38.5/40	38.5/40	38.5/40	40
DIMENSIONS*:	mm (ft.in)				
ENGINE: Model		KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU SAA6D102E-2
No. of cylinders- bore × stroke	mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-102 × 120 (4.02 × 4.72)
Piston displacement	ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	5.88 (359)
CAPACITY: Fuel tank	ltr. (U.S. Gal)	245 (64.7)	245 (64.7)	245 (64.7)	228 (60.2)

Item	Model	WA380-8	WA380-8	WA380-8	WA380-7
Source		Japan	USA	Germany	Japan
Emissions		T4F/S4	T4F/S4	T4F/S4	T4i/S3B
OPERATING WEIGHT*	kg (lb)	18385 (40,530) - 18565 (40,930)	18385 (40,530) - 19020 (41,930)	18155 (40,020) - 19765 (43,570)	18155 (40,020) - 18265 (40,270)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	143 (192)/2100 143 (191)/2100	143 (192)/2100 143 (191)/2100	143 (192)/2100 143 (191)/2100	143 (192)/2100 143 (191)/2100
BUCKET CAPACITY*	m ³ (cu.yd)	2.7 (3.5) - 3.3 (4.3)	2.7 (3.5) - 3.3 (4.3)	3.2 (4.2) - 3.75 (4.9)	2.7 (3.5) - 3.3 (4.3)
PERFORMANCE: Travel speeds:	km/h (MPH)				
Forward 1st		6.6 (4.1)	6.6 (4.1)	6.6 (4.1)	6.6 (4.1)
2nd		11.7 (7.3)/12.4 (7.7) ⁴	11.7 (7.3)/12.4 (7.7) ⁴	11.7 (7.3)/12.4 (7.7) ⁴	11.7 (7.3)/12.4 (7.7) ⁴
3rd		20.9 (13)/22.4 (13.9) ⁴	20.9 (13)/22.4 (13.9) ⁴	20.9 (13)/22.5 (14) ⁴	20.9 (13)/22.5 (14) ⁴
4th		36.1(22.4)/37.5 (23.3) ⁴	36.1(22.4)/37.5 (23.3) ⁴	36.1(22.4)/40 (24.9) ⁴	36.1(22.4)/40 (25) ⁴
Reverse 1st		7.1(4.4)	7.1(4.4)	7.1(4.4)	7.1(4.4)
2nd		12.4 (7.7)/ 13.3 (8.3) ⁴	12.4 (7.7)/ 13.3 (8.3) ⁴	12.4 (7.7)/13.3 (8.3) ⁴	12.4 (7.7)/ 13.3 (8.3) ⁴
3rd		22.3 (13.9)/24.1(15) ⁴	22.3 (13.9)/24.1(15) ⁴	22.3 (13.9)/24.1 (15) ⁴	22.3 (13.9)/24.1(15) ⁴
4th		38.6 (24)/37.5 (23.3) ⁴	38.6 (24)/37.5 (23.3) ⁴	38.6 (24)/40 (24.9) ⁴	38.6 (24)/40 (24.9) ⁴
Turning radius* (Outside corner of bucket)	mm (ft.in)				
Articulation angle: each dire./end stop	degree	35/40	35/40	40	35/40
DIMENSIONS*:	mm (ft.in)				
ENGINE: Model		KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-2
No. of cylinders- bore × stroke	mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement	ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
CAPACITY: Fuel tank	ltr. (U.S. Gal)	300 (79.3)	300 (79.3)	300 (79.3)	300 (79.3)

*: See PERFORMANCE DATA

** : 1st speed can be set variably

*4: With torque converter lock-up

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Item		Model	WA380-6	WA380-6	WA380Z-6	WA380Z-6
Source			Japan	China	Japan, Thailand	China
Emissions			T3/S3A	T3/S3A	T3/S3A	T3/S3A
OPERATING WEIGHT*		kg (lb)	16610 (36,620) - 16850 (37,150)	17500 (38,580) - 17830 (39,310)	17130 (37,760) - 17420 (38,400)	16900 (27,260) - 17340 (38,230)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 143 (192)/2100 142 (191)/2100 133 (179)/2100	kW (HP)/RPM 143 (192)/2100 142 (191)/2100 133 (179)/2100	kW (HP)/RPM 143 (192)/2100 141 (189)/2100 130 (175)/2100	kW (HP)/RPM 143 (192)/2100 142 (191)/2100 133 (179)/2100
BUCKET CAPACITY*		m ³ (cu.yd)	2.7 (3.5) - 4.0 (5.2)	2.7 (3.5) - 4.0 (5.2)	2.7 (3.5) - 4.0 (5.2)	2.8 (3.7) - 3.8 (5.0)
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward						
1st			6.0 (3.7)	6.6 (4.1)	6.6 (4.1)	6.6 (4.1)
2nd			10.6 (6.7)	11.5 (7.1)	11.5 (7.1)	11.5 (7.1)
3rd			18.6 (11.6)	20.2 (12.6)	20.2 (12.6)	20.2 (12.6)
4th			31.1 (19.3)	34.0 (21.1)	34.0 (21.1)	34.0 (21.1)
Reverse						
1st			6.5 (4.0)	7.1 (4.4)	7.1 (4.4)	7.1 (4.4)
2nd			11.3 (7.0)	12.3 (7.6)	12.3 (7.6)	12.3 (7.6)
3rd			20.2 (12.6)	21.5 (13.4)	21.5 (13.4)	21.5 (13.4)
4th			34.0 (21.1)	35.5 (22.1)	35.5 (22.1)	35.5 (22.1)
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	35/40	35/40	35/40	35/40
DIMENSIONS*:		mm (ft.in)				
ENGINE:						
Model			KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1
No. of cylinders- bore × stroke		mm (in)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)	6-107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)
CAPACITY:						
Fuel tank		ltr. (U.S. Gal)	300 (79.3)	300 (79.3)	300 (79.3)	300 (79.3)

Item		Model	WA380-5	WA430-6	WA430-5	WA470-8
Source			Japan	Japan	Japan	Japan
Emissions				T3/S3A		T4F/S4
OPERATING WEIGHT*		kg (lb)	16160 (35,626) - 16420 (36,200)	18220 (40,170) - 18545 (40,880)	18275 (40,290) - 18585 (40,970)	24200 (53,350) - 25210 (55,580)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 140 (187)/2000	kW (HP)/RPM 173 (232)/2100 172 (231)/2100 163 (218)/2100	kW (HP)/RPM 162 (217)/2000	kW (HP)/RPM 204 (273)/2000 203 (272)/2000 194 (260)/2000
BUCKET CAPACITY*		m ³ (cu.yd)	2.7 (3.5) - 4.0 (5.2)	3.1 (4.1) - 4.6 (6.0)	3.1 (4.1) - 4.6 (6.0)	3.8 (5.0) - 4.4 (5.8)
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward						
1st			6.3 (3.9)	7.0 (4.4)	6.6 (4.1)	7.6 (4.7)
2nd			11.4 (7.1)	12.3 (7.6)	11.5 (7.1)	13.1 (8.1)/13.2(8.2) ^{*4}
3rd			20.2 (12.6)	21.6 (13.4)	20.4 (12.7)	22.9 (14.2)/23.6(14.7) ^{*4}
4th			31.5 (19.6)	37.2 (23.1)	33.2 (20.6)	36.2 (22.5)/38.3(23.8) ^{*4}
Reverse						
1st			6.7 (4.2)	7.6 (4.7)	7.1 (4.4)	7.9 (4.9)
2nd			11.8 (7.3)	12.9 (8.0)	12.3 (7.6)	13.5 (8.4)/13.7(8.5) ^{*4}
3rd			21.0 (13.0)	23.0 (14.3)	21.6 (13.4)	23.6 (14.7)/24.3(15.1) ^{*4}
4th			32.5 (20.2)	37.2 (23.1)	34.9 (21.7)	37.3 (23.2)/39.0(24.2) ^{*4}
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	40	35/40	40	35/40
DIMENSIONS*:		mm (ft.in)				
ENGINE:						
Model			KOMATSU SAA6D114E-2	KOMATSU SAA6D114E-3	KOMATSU SAA6D125E-3	KOMATSU SAA6D125E-7
No. of cylinders- bore × stroke		mm (in)	6-114 × 135 (4.49 × 5.31)	6-114 × 135 (4.49 × 5.32)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	8.27 (505)	8.27 (505)	11.04 (674)	11.04 (674)
CAPACITY:						
Fuel tank		ltr. (U.S. Gal)	300 (79.3)	325 (85.9)	343 (90.6)	380 (100)

*: See PERFORMANCE DATA

** : 1st speed can be set variably

*4: With torque converter lock-up

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Item		Model	WA470-8	WA470-8	WA470-7	WA470-7
Source			USA	Germany	Japan	Germany
Emissions			T4F/S4	T4F/S4	T4i/S3B	T4i/S3B
OPERATING WEIGHT*		kg (lb)	24200 (53,350) - 25210 (55,580)	24170 (53,290) - 25670 (56,590)	23590 (52,010) - 23780 (52,430)	23725 (52,300) - 24230 (53,420)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 204 (273)/2000 kW (HP)/RPM 203 (272)/2000 kW (HP)/RPM 194 (260)/2000	204 (273)/2000 203 (272)/2000	204 (273)/2000 203 (272)/2000 194 (260)/2000	204 (273)/2000 203 (272)/2000 194 (260)/2000
BUCKET CAPACITY*		m ³ (cu.yd)	3.8 (5.0) - 4.4 (5.8)	4.1 (5.4) - 6.0 (7.8)	3.8 (5.0) - 4.4 (5.8)	4.1 (5.4) - 6.0 (7.8)
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward			7.6 (4.7)	7.6 (4.7)	7.6 (4.7)	7.6 (4.7)
1st			13.1 (8.1)/13.2 (8.2) ⁴	13.1 (8.1)/13.2 (8.2) ⁴	13.1 (8.1)/13.2 (8.2) ⁴	13.2 (8.2)/13.5 (8.4) ⁴
2nd			22.9 (14.2)/23.6 (14.7) ⁴	22.9 (14.2)/23.6 (14.7) ⁴	22.9 (14.2)/23.6 (14.7) ⁴	22.7 (14.1)/23.6 (14.7) ⁴
3rd			36.2 (22.5)/38.3 (23.8) ⁴	36.2 (22.5)/38.3 (23.8) ⁴	36.2 (22.5)/38.3 (23.8) ⁴	36.2 (22.5)/39.0 (24.2) ⁴
4th			7.9 (4.9)	7.9 (4.9)	7.9 (4.9)	7.9 (4.9)
Reverse			13.5 (8.4)/13.7 (8.5) ⁴	13.5 (8.4)/13.7 (8.5) ⁴	13.5 (8.4)/13.7 (8.5) ⁴	13.5 (8.4)/13.8 (8.6) ⁴
1st			23.6 (14.7)/24.3 (15.1) ⁴	23.6 (14.7)/24.3 (15.1) ⁴	23.6 (14.7)/24.3 (15.1) ⁴	23.5 (14.6)/24.3 (15.1) ⁴
2nd			37.3 (23.2)/39.0 (24.2) ⁴	37.3 (23.2)/39.0 (24.2) ⁴	37.3 (23.2)/39.0 (24.2) ⁴	37.3 (23.2)/39.0 (24.2) ⁴
3rd						
4th						
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	35/40	40	35/40	40
DIMENSIONS*:		mm (ft.in)				
ENGINE:						
Model			KOMATSU SAA6D125E-7	KOMATSU SAA6D125E-7	KOMATSU SAA6D125E-6	KOMATSU SAA6D125E-6
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)
CAPACITY:						
Fuel tank		ltr. (U.S. Gal)	380 (100)	380 (100)	380 (100)	380 (100)

Item		Model	WA470-6	WA470-6	WA470-6R	WA470-5
Source			Japan	China	Japan	Japan
Emissions			T3/S3A	T3/S3A		
OPERATING WEIGHT*		kg (lb)	22880 (50,620) - 23095 (50,910)	22940 (50,570) - 23170 (51,080)	22900 (50,490) - 23190 (51,120)	22085 (48,690) - 23315 (49,195)
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM 204 (273)/2000 kW (HP)/RPM 203 (272)/2000 kW (HP)/RPM 191 (256)/2000	204 (273)/2000 203 (272)/2000 191 (256)/2000	204 (273)/2000 203 (272)/2000	195 (261)/2000
BUCKET CAPACITY*		m ³ (cu.yd)	3.6 (4.7) - 5.2 (6.8)	3.6 (4.7) - 5.2 (6.8)	3.6 (4.7) - 5.2 (6.8)	3.6 (4.7) - 5.2 (6.8)
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward			7.6 (4.7)	7.6 (4.7)	7.6 (4.7)	6.3 (3.9)
1st			13.1 (8.1)	13.1 (8.1)	13.1 (8.1)	12.1 (7.5)
2nd			22.9 (14.2)	22.9 (14.2)	22.9 (14.2)	21.7 (13.5)
3rd			36.2 (22.5)	36.2 (22.5)	36.2 (22.5)	34.9 (21.7)
4th			7.9 (4.9)	7.9 (4.9)	7.9 (4.9)	6.7 (4.2)
Reverse			13.5 (8.4)	13.5 (8.4)	13.5 (8.4)	12.8 (8.0)
1st			23.6 (14.7)	23.6 (14.7)	23.6 (14.7)	23.0 (14.3)
2nd			37.3 (23.2)	37.3 (23.2)	37.3 (23.2)	36.0 (22.4)
3rd						
4th						
Turning radius* (Outside corner of bucket)		mm (ft.in)				
Articulation angle: each dire./end stop		degree	35/40	35/40	35/40	40
DIMENSIONS*:		mm (ft.in)				
ENGINE:						
Model			KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-3
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	11.04 (674)
CAPACITY:						
Fuel tank		ltr. (U.S. Gal)	413 (109)	413 (109)	413 (109)	390 (103)

*: See PERFORMANCE DATA

** : 1st speed can be set variably

*4: With torque converter lock-up

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Item		Model	WA480-8	WA480-6	WA480-6R	WA500-8	
Source			Germany	Japan	Japan	Japan	
Emissions			T4F/S4	T3/S3A		T4F/S4	
OPERATING WEIGHT*		kg (lb)	26315 (58,010) - 26465 (58,340)	24910 (54,920) - 25155 (55,460)	24900 (54,890) - 25265 (55,700)	34725 (76,550) - 35635 (78,560)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	224 (300)/2000 223 (299)/2000 211 (283)/2000	224 (300)/2000 223 (299)/2000 211 (283)/2000	224 (300)/2000 223 (299)/2000 211 (283)/2000	266 (357)/1900 264 (353)/1900 250 (335)/1900
BUCKET CAPACITY*		m ³ (cu.yd)	4.8 (6.3) - 5.3 (6.9)	3.8 (5.0) - 6.1 (8.0)	3.8 (5.0) - 6.1 (8.0)	4.3 (5.6) - 6.3 (8.2)	
PERFORMANCE:							
Travel speeds:		km/h (MPH)					
Forward			7.6 (4.7)	7.7 (4.8)	7.7 (4.8)	7.5 (4.7)	
1st			13.2 (8.2)/13.5(8.4) ^{*4}	13.1 (8.1)	13.1 (8.1)	12.9 (8.0)/13.1(8.1) ^{*4}	
2nd			22.7 (14.1)/23.6(14.7) ^{*4}	22.9 (14.2)	22.9 (14.2)	22.2 (13.8)/23.7 (14.7) ^{*4}	
3rd			36.2 (22.5)/39.0 (24.2) ^{*4}	36.3 (22.6)	36.3 (22.6)	35.5 (22.1)/37.3(23.2) ^{*4}	
4th			7.9 (4.9)	7.9 (4.9)	7.9 (4.9)	8.5 (5.3)	
Reverse			13.5 (8.4)/13.8(8.6) ^{*4}	13.5 (8.4)	13.5 (8.4)	12.9 (8.0)/13.0(8.1) ^{*4}	
1st			23.5 (14.6)/24.3(15.1) ^{*4}	23.6 (14.7)	23.6 (14.7)	24.7 (15.3)/26.6(16.5) ^{*4}	
2nd			37.3 (23.2)/39.0(24.2) ^{*4}	37.4 (23.2)	37.4 (23.2)	38.0 (23.6)/38.0(23.6) ^{*4}	
3rd							
4th							
Turning radius* (Outside corner of bucket)		mm (ft.in)					
Articulation angle: each dire./end stop		degree	40	35/40	35/40	36/40	
DIMENSIONS*:		mm (ft.in)					
ENGINE:							
Model			KOMATSU SAA6D125E-7	KOMATSU SAA6D125E-5	KOMATSU SAA6D125E-5	KOMATSU SAA6D140E-7	
No. of cylinders- bore × stroke		mm (in)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-125 × 150 (4.92 × 5.91)	6-140 × 165 (5.51 × 6.50)	
Piston displacement		ltr. (cu.in)	11.04 (674)	11.04 (674)	11.04 (674)	15.24 (930)	
CAPACITY:							
Fuel tank		ltr. (U.S. Gal)	380 (100)	413 (109)	413 (109)	473 (125)	

Item		Model	WA500-8	WA500-8	WA500-7	WA500-6	
Source			USA	Germany	Japan	Japan	
Emissions			T4F/S4	T4F/S4	T4i/S3B	T3/S3A	
OPERATING WEIGHT*		kg (lb)	34880 (76,900) - 35315 (77,860)	35110 (77,400) - 36130 (79,650)	33805 (74,530) - 34225 (75,450)	32010 (70,570) - 33330 (73,480)	
HORSEPOWER		SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM kW (HP)/RPM kW (HP)/RPM	266 (357)/1900 263 (353)/1900 250 (335)/1900	266 (357)/1900 264 (353)/1900 250 (335)/1900	266 (357)/1900 263 (353)/1900 250 (335)/1900	266 (357)/1900 263 (353)/1900 248 (332)/1900
BUCKET CAPACITY*		m ³ (cu.yd)	4.5 (5.9) - 6.3 (8.2)	5.3 (6.9) - 6.3 (8.2)	5.2 (6.8) - 6.3 (8.2)	4.3 (5.6) - 5.6 (7.3)	
PERFORMANCE:							
Travel speeds:		km/h (MPH)					
Forward			7.5 (4.7)	7.5 (4.7)	7.5 (4.7)	7.7 (4.8)	
1st			12.9 (8.0)/13.1 (8.1) ^{*4}	12.9 (8.0)/13.1 (8.1) ^{*4}	12.9 (8.0)/13.1 (8.1) ^{*4}	12.5 (7.8)	
2nd			22.2 (13.8)/23.7 (14.7) ^{*4}	22.2 (13.8)/23.7 (14.7) ^{*4}	22.2 (13.8)/23.7 (14.7) ^{*4}	22.3 (13.9)	
3rd			35.5 (22.1)/37.3 (23.2) ^{*4}	35.5 (22.1)/37.3 (23.2) ^{*4}	35.5 (22.1)/37.3 (23.2) ^{*4}	34.9 (21.7)	
4th			8.5 (5.3)	8.5 (5.3)	8.5 (5.3)	8.6 (5.3)	
Reverse			12.9 (8.0)/13.0 (8.1) ^{*4}	12.9 (8.0)/13.0 (8.1) ^{*4}	12.9 (8.0)/13.0 (8.1) ^{*4}	13.0 (8.1)	
1st			24.7 (15.3)/26.6 (16.5) ^{*4}	24.7 (15.3)/26.6 (16.5) ^{*4}	24.7 (15.3)/26.6 (16.5) ^{*4}	24.8 (15.4)	
2nd			38.0 (23.6)/38.0 (23.6) ^{*4}	38.0 (23.6)/38.0 (23.6) ^{*4}	38.0 (23.6)/38.0 (23.6) ^{*4}	37.5 (23.3)	
3rd							
4th							
Turning radius* (Outside corner of bucket)		mm (ft.in)					
Articulation angle: each dire./end stop		degree	36/40	40	36/40	40	
DIMENSIONS*:		mm (ft.in)					
ENGINE:							
Model			KOMATSU SAA6D140E-7	KOMATSU SAA6D140E-7	KOMATSU SAA6D140E-6	KOMATSU SAA6D140E-5	
No. of cylinders- bore × stroke		mm (in)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.5)	6-140 × 165 (5.51 × 6.5)	6-140 × 165 (5.51 × 6.50)	
Piston displacement		ltr. (cu.in)	15.24 (930)	15.24 (930)	15.24 (930)	15.24 (930)	
CAPACITY:							
Fuel tank		ltr. (U.S. Gal)	473 (125)	473 (125)	473 (125)	473 (125)	

*: See PERFORMANCE DATA

** : 1st speed can be set variably

*4: With torque converter lock-up

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Model		WA500-6R	WA500-3	WA600-8	WA600-6
Item					
Source		Japan	Japan	Japan	Japan
Emissions				T4F/S4	T3/S3A
OPERATING WEIGHT*	kg (lb)	33150 (73,080) - 34470 (75,990)	27910 (61,530) - 29700 (65,480)	54170 (119,420) - 56740 (125,090)	52320 (115,340) - 52900 (118,830)
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM	266 (357)/1900	235 (315)/2100	396 (530)/1800	396 (530)/1800
	kW (HP)/RPM	263 (353)/1900		395 (529)/1800	393 (527)/1800
	kW (HP)/RPM	248 (332)/1900		375 (502)/1800	374 (502)/1900
BUCKET CAPACITY*	m ³ (cu.yd)	4.3 (5.6) - 5.6 (7.3)	4.3 (5.6) - 5.5 (7.2)	6.4 (8.4) - 7.8 (10.2)	6.4 (8.4) - 7.0 (9.2)
PERFORMANCE:					
Travel speeds:	km/h (MPH)				
Forward					
1st		7.7 (4.8)	6.7 (4.2)	6.7 (4.2)	6.7 (4.2)
2nd		12.5 (7.8)	12.0 (7.5)	11.7 (7.3)/12.4(7.7) ^{*4}	11.7 (7.3)
3rd		22.3 (13.9)	20.2 (12.6)	20.3 (12.6)/21.7(13.5) ^{*4}	20.3 (12.6)
4th		34.9 (21.7)	33.0 (20.5)	33.8 (21.0)/37.7(23.4) ^{*4}	33.8 (21.0)
Reverse					
1st		8.6 (5.3)	7.5 (4.7)	7.3 (4.5)	7.3 (4.5)
2nd		13.0 (8.1)	13.4 (8.3)	12.8 (8.0)/13.5(8.4) ^{*4}	12.8 (8.0)
3rd		24.8 (15.4)	22.5 (14.0)	22.0 (13.7)/23.7(14.7) ^{*4}	22.0 (13.7)
4th		36.5 (22.7)	36.1 (22.4)	37.0 (23.0)/41.0(25.5) ^{*4}	37.0 (23.0)
Turning radius* (Outside corner of bucket)	mm (ft.in)				
Articulation angle: each dire./end stop	degree	40	40	43	43
DIMENSIONS*:	mm (ft.in)				
ENGINE:					
Model		KOMATSU SAA6D140E-5	KOMATSU SA6D140E-3	KOMATSU SAA6D170E-7	KOMATSU SAA6D170E-5
No. of cylinders- bore × stroke	mm (in)	6-140 × 165 (5.51 × 6.50)	6-140 × 165 (5.51 × 6.50)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)
Piston displacement	ltr. (cu.in)	15.24 (930)	15.24 (930)	23.15 (1413)	23.15 (1413)
CAPACITY:					
Fuel tank	ltr. (U.S. Gal)	473 (125)	450 (119)	718 (190)	718 (190)

Model		WA600-6R	WA600-3	WA700-3	WA800-3E0	
Item						
Source		Japan	Japan	Japan	Japan	
Emissions						
OPERATING WEIGHT*	kg (lb)	52320 (115,340) - 52900 (116,620)	45180 (99,600) - 46600 (102,730)	70620 (155,690) - 72400 (159,610)	101900 (224,650) - 104500 (230,380)	
HORSEPOWER SAE J1995 Gross ISO9249 /SAE J1349 Net Hyd. fan at max. speed Net	kW (HP)/RPM	396 (530)/1800	357 (478)/2000	502 (672)/2000	636 (853)/2000	
	kW (HP)/RPM	393 (527)/1800				603 (808)/2000
	kW (HP)/RPM	374 (502)/1800				
BUCKET CAPACITY*	m ³ (cu.yd)	6.4 (8.4) - 7.0 (9.2)	5.6 (7.3) - 6.1 (8.0)	8.7 (11.4) - 9.4 (12.3)	10.0 (13.1) - 14.0 (18.3)	
PERFORMANCE:						
Travel speeds:	km/h (MPH)					
Forward						
1st		6.7 (4.2)	6.4 (4.0)	6.4 (4.0)	7.0 (4.3)	
2nd		11.7 (7.3)	11.1 (6.9)	11.1 (6.9)	12.3 (7.6)	
3rd		20.3 (12.6)	18.8 (11.7)	18.7 (11.6)	28.0 (17.4)	
4th		33.8 (21.0)	30.3 (18.8)	30.0(18.6)		
Reverse						
1st		7.3 (4.5)	7.1 (4.4)	7.1 (4.4)	7.1 (4.4)	
2nd		12.8 (8.0)	12.2 (7.6)	12.3 (7.6)	12.4 (7.7)	
3rd		22.0 (13.7)	20.5 (12.7)	20.5 (12.7)	28.3 (17.6)	
4th		37.0 (23.0)	32.7 (20.3)	32.3 (20.1)		
Turning radius* (Outside corner of bucket)	mm (ft.in)					
Articulation angle: each dire./end stop	degree	43	43	40	40	
DIMENSIONS*:	mm (ft.in)					
ENGINE:						
Model		KOMATSU SAA6D170E-5	KOMATSU SAA6D170E-3	KOMATSU SAA6D170E-3	KOMATSU SAA12V140E-3	
No. of cylinders- bore × stroke	mm (in)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	6-170 × 170 (6.69 × 6.69)	12-140 × 165 (5.51 × 6.50)	
Piston displacement	ltr. (cu.in)	23.15 (1413)	23.15 (1413)	23.15 (1413)	30.5 (1,861)	
CAPACITY:						
Fuel tank	ltr. (U.S. Gal)	718 (190)	670 (177)	1100 (291)	1555 (411)	

*: See PERFORMANCE DATA

** : 1st speed can be set variably

*4: With torque converter lock-up

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

WHEEL LOADERS

Model		WA800-3	WA900-8	WA900-3E0	WA900-3
Item					
Source		Japan	Japan	Japan	Japan
Emissions			T4F/S4		
OPERATING WEIGHT*	kg (lb)	98300 (216,710) - 99820 (220,060)	116400 (256,620) - 116720 (257,320)	107200 (236,340) - 107350 (236,350)	101550 (223,880) - 101920 (224,690)
HORSEPOWER	SAE J1995 Gross kW (HP)/RPM	636 (853)/2000	672 (900)/2050	672 (900)/2050	672 (900)/2050
	ISO9249 /SAE J1349 Net kW (HP)/RPM	603 (808)/2000	671 (899)/2050	638 (856)/2000	638 (856)/2000
	Hyd. fan at max. speed Net kW (HP)/RPM				
BUCKET CAPACITY*	m ³ (cu.yd)	10.0 (13.1) - 12.3 (16.1)	11.5 (15.0) - 13.0 (17.0)	11.5 (15.0) - 13.0 (17.0)	11.5 (15.0) - 13.0 (17.0)
PERFORMANCE:					
Travel speeds:	km/h (MPH)				
Forward					
1st		7.0 (4.3)	7.6 (4.7)	7.0 (4.3)	7.0 (4.3)
2nd		12.3 (7.6)	11.9 (7.4)	12.3 (7.6)	12.3 (7.6)
3rd		28.0 (17.4)	23.3 (14.5)	28.0 (17.4)	28.0 (17.4)
4th			-		
Reverse					
1st		7.1 (4.4)	7.9 (4.9)	7.1 (4.4)	7.1 (4.4)
2nd		12.4 (7.7)	12.1 (7.5)	12.4 (7.7)	12.4 (7.7)
3rd		28.3 (17.6)	24.1 (15.0)	28.3 (17.6)	28.3 (17.6)
4th			-		
Turning radius* (Outside corner of bucket)	mm (ft.in)				
Articulation angle: each dire./end stop	degree	40	40	40	40
DIMENSIONS*:	mm (ft.in)				
ENGINE:					
Model		KOMATSU SAA12V140E-3	KOMATSU SAA12V140E-7	KOMATSU SAA12V140E-3	KOMATSU SAA12V140E-3
No. of cylinders- bore × stroke	mm (in)	12-140 × 165 (5.51 × 6.50)	12-140 × 165 (5.51 × 6.50)	12-140 × 165 (5.51 × 6.50)	12-140 × 165 (5.51 × 6.50)
Piston displacement	ltr. (cu.in)	30.5 (1,861)	30.48 (1860)	30.5 (1,861)	30.5 (1,861)
CAPACITY:					
Fuel tank	ltr. (U.S. Gal)	1555 (411)	1555 (411)	1555 (411)	1555 (411)

Model		WA1200-6			
Item					
Source		Japan			
Emissions					
OPERATING WEIGHT*	kg (lb)	216400 (477,100) - 220550 (486,250)			
HORSEPOWER	SAE J1995 Gross kW (HP)/RPM	1411 (1892)/1800			
	ISO9249 /SAE J1349 Net kW (HP)/RPM	1316 (1765)/1800			
	Hyd. fan at max. speed Net kW (HP)/RPM				
BUCKET CAPACITY*	m ³ (cu.yd)	18.0 (23.5) - 35.0 (45.8)			
PERFORMANCE:					
Travel speeds:	km/h (MPH)				
Forward					
1st		6.1 (3.8)			
2nd		11.1 (6.9)			
3rd		18.7 (11.6)			
4th					
Reverse					
1st		6.3 (3.9)			
2nd		11.4 (7.1)			
3rd		19.3 (12.0)			
4th					
Turning radius* (Outside corner of bucket)	mm (ft.in)				
Articulation angle: each dire./end stop	degree	40			
DIMENSIONS*:	mm (ft.in)				
ENGINE:					
Model		KOMATSU SSDA16V160E-2			
No. of cylinders- bore × stroke	mm (in)	16-159 × 190 (6.26 × 7.48)			
Piston displacement	ltr. (cu.in)	60.0 (3661)			
CAPACITY:					
Fuel tank	ltr. (U.S. Gal)	5100 (1347)			

*: See PERFORMANCE DATA

** : 1st speed can be set variably

*4: With torque converter lock-up

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

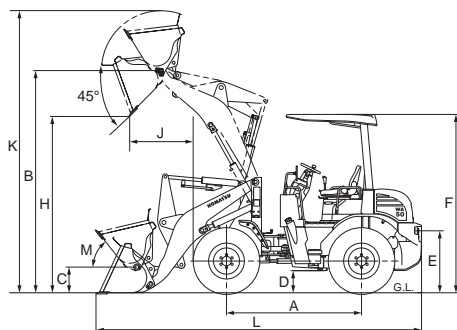
T4F/S4 : EPA Tier 4 Final and EU Stage 4

**Performance Data
Dimensions**

WHEEL LOADERS

WA50-6 (Japan source)

Unit: mm (ft.in)



Tires	15.5/60-18-8PR(L-2)
Tread	1250 (4'1")
Width over tires	1650 (5'5")
A Wheelbase	1900 (6'3")
B Hinge pin height, max. height	3120 (10'3")
C Hinge pin height, carry position	360 (1'2")
D Ground clearance	310 (1'0")
E Hitch height	470 (1'7")
F Overall height, ROPS (canopy/cab)	2500 (8'2")/2540 (8'4")
M Tilt back angle	52°

Measured with 15.5/60-18-8PR (L2) tires

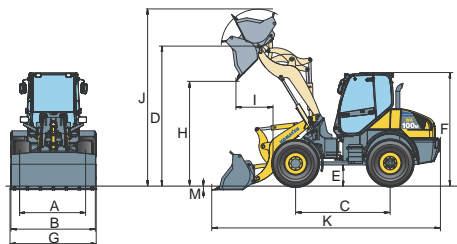
Bucket type			Stockpile bucket with Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	0.6 (0.8)
	Struck	m ³ (yd ³)	0.5 (0.7)
Bucket width		mm (ft.in)	1690 (5'7")
Bucket weight (with B.O.C.)		kg (lb)	215 (475)
Static tipping load	Straight (canopy/cab)	kg (lb)	2450 (5,400)/2580 (5,690)
	Full turn (canopy/cab)	kg (lb)	2000 (4,410)/2100 (4,630)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2475 (8'1")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	
J. Reach at max. height and 45° dump angle**		mm (ft.in)	900 (2'11")
Reach with arm horizontal and bucket level**		mm (ft.in)	1945 (6'5")
K. Operating height (fully raised)		mm (ft.in)	3955 (13'0")
L. Overall length, bucket on ground		mm (ft.in)	4580 (15'0")
Turning radius*		mm (ft.in)	3825 (12'7")
Digging depth	0°	mm (ft.in)	43 (1.7")
	10°	mm (ft.in)	175 (6.9")
Breakout force		kN/kgf (lb)	29.9/3050 (6,720)
Operating weight (canopy/cab)		kg (lb)	3675 (8,100)/3825 (8,430)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C.

WA70-7 (Germany source)

Unit: mm (ft.in)



A Tread	1306 (4'3")
B Width over tires	1625 (5'4")
C Wheelbase	2050 (6'9")
D Hinge pin height, max. height	3150 (10'4")
E Ground clearance	305 (1'0")
F Overall height, ROPS cab	2465 (8'1")
Turning radius at corner of tire	3680 (12'1")

Bucket

Measured with 12.5-18 tires

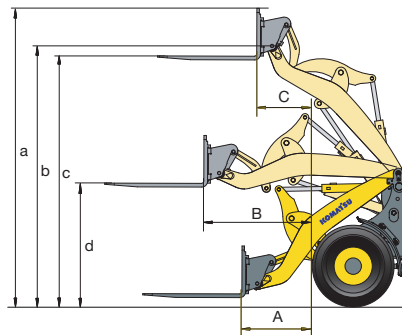
Bucket type			Universal Bucket		Light Material Bucket		4-in-1	
			with Teeth	without Teeth	with B.O.C.	without Teeth	with Teeth	without Teeth
Bucket capacity	Heaped	m ³ (yd ³)	0.85 (1.1)	0.85 (1.1)	1.0 (1.3)	1.25 (1.6)	0.75 (1.0)	0.8 (1.0)
G. Bucket width		mm (ft.in)	1800 (5'11")	1800 (5'11")	1870 (6'2")	1870 (6'2")	1800 (5'11")	1900 (6'3")
Bucket weight		kg (lb)	295 (650)	273 (602)	301 (664)	337 (743)	592 (1,305)	615 (1,356)
Static tipping load	Straight	kg (lb)	4200 (9,260)	4300 (9,480)	4170 (9,190)	4080 (8,995)	3900 (8,600)	3900 (8,600)
	40° full turn	kg (lb)	3650 (8,050)	3750 (8,270)	3620 (7,980)	3540 (7,805)	3350 (7,385)	3350 (7,385)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2415 (7'11")	2435 (8'0")	2335 (7'8")	2260 (7'5")	2355 (7'9")	2355 (7'9")
I. Reach at max. height and 45° dump angle**		mm (ft.in)	935 (3'1")	915 (3'0")	960 (3'2")	1030 (3'5")	980 (3'3")	980 (3'3")
J. Operating height (fully raised)		mm (ft.in)	4070 (13'4")	4070 (13'4")	4025 (13'2")	4190 (13'9")	3950 (13'0")	3950 (13'0")
K. Overall length, bucket on ground		mm (ft.in)	5445 (17'10")	5310 (13'5")	5375 (17'8")	5475 (18'0")	5470 (17'11")	5470 (17'11")
Turning radius*		mm (ft.in)	4175 (13'8")	4175 (13'8")	4245 (13'11")	4280 (14'1")	4250 (13'11")	4286 (14'1")
M. Digging depth 0°		mm (ft.in)	100 (3.9")	100 (3.9")	140 (5.5")	140 (5.5")	110 (4.3")	110 (4.3")
Breakout force		kN	41	41	35	31	36	36
		kgf (lb)	4180 (9,220)	4180 (9,220)	3570 (7,870)	3160 (6,970)	3670 (8,095)	3670 (8,095)
Operating weight		kg (lb)	5060 (11,155)	5035 (11,100)	5065 (11,165)	5100 (11,240)	5355 (11,805)	5380 (11,860)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

Fork tine type		FEM IIA	FEM IIB
Fork tine length	mm (ft.in)	1200 (3'11")	1200 (3'11")
A Max. reach at ground level	mm (ft.in)	820 (2'8")	885 (2'11")
B Max. reach	mm (ft.in)	1305 (4'3")	1305 (4'3")
C Max. reach at max. stacking height	mm (ft.in)	640 (2'1")	640 (2'1")
a Max. height fork-carrier	mm (ft.in)	3595 (11'10")	3547 (11'8")
b Hinge pin height	mm (ft.in)	3150 (10'4")	3150 (10'4")
c Max. stacking height	mm (ft.in)	3015 (9'11")	2890 (9'6")
d Height of forks at maximum reach	mm (ft.in)	1472 (4'10")	1350 (4'5")
Max. static tipping load	Straight	kg (lb)	3080 (6,790)
	Full turn	kg (lb)	2650 (5,840)
Max. payload as per EN 474-3, 80%	kg (lb)	2120 (4,675)	2135 (4,710)
Max. payload as per EN 474-3, 60%	kg (lb)	1590 (3,505)	1600 (3,530)
Weight in working order with fork tines	kg (lb)	4980 (10,980)	4985 (10,990)

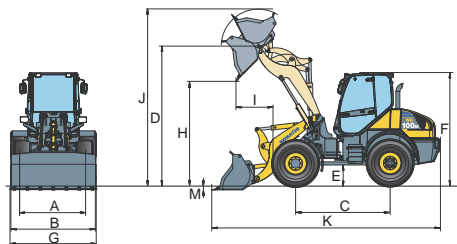


Performance Data Dimensions

WHEEL LOADERS

WA80M-7 (Germany source)

Unit: mm (ft.in)



A Tread	1470 (4'10")
B Width over tires	1880 (6'2")
C Wheelbase	2260 (7'5")
D Hinge pin height, max. height	3200 (10'6")
E Ground clearance	340 (1'1")
F Overall height, ROPS cab	2720 (8'11")
Turning radius at corner of tire	3985 (13'1")

Bucket

Measured with 405/70 R18 tires

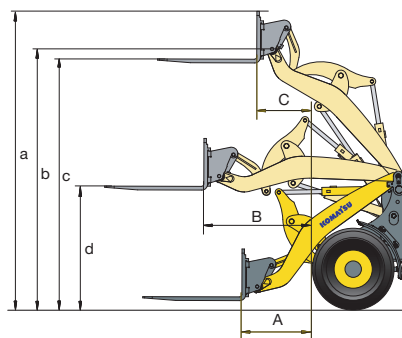
Bucket type			Universal		Light Material Bucket	4-in-1
			with Teeth	without Teeth	without teeth	with teeth
Bucket capacity	Heaped	m ³ (yd ³)	1.0 (1.3)	1.0 (1.3)	1.25 (1.6)	0.8 (1.0)
	Struck	m ³ (yd ³)	—	—	—	—
G Bucket width		mm (ft.in)	1915 (6'3")	1915 (6'3")	1870 (6'2")	1900 (6'3")
Bucket weight		kg (lb)	422 (930)	400 (882)	340 (750)	615 (1,356)
Static tipping load	Straight	kg (lb)	4595 (10,130)	4625 (10,195)	4580 (10,100)	4300 (9,480)
	Full turn (40°)	kg (lb)	3900 (8,600)	3930 (8,665)	3890 (8,575)	3610 (7,960)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2425 (7'11")	2519 (8'3")	2330 (7'8")	2400 (7'10")
Reach at 2130 mm (7') cutting edge clearance and 45° dump angle		mm (ft.in)	—	—	—	—
I. Reach at max. height and 45° dump angle**		mm (ft.in)	995 (3'3")	903 (3'0")	1040 (3'5")	1020 (3'4")
Reach with arm horizontal and bucket level		mm (ft.in)	—	—	—	—
J. Operating height (fully raised)		mm (ft.in)	4094 (13'5")	4094 (13'5")	4168 (13'8")	4120 (13'6")
K. Overall length	Bucket on ground	mm (ft.in)	5640 (18'6")	5505 (18'1")	5730 (18'10")	5720 (18'9")
	Turning radius	mm (ft.in)	4490 (14'9")	4490 (14'9")	4420 (14'6")	4360 (14'4")
M. Digging depth	0°	mm (ft.in)	90 (3.5")	90 (3.5")	135 (5.3")	100 (3.9")
	10°	mm (ft.in)	—	—	—	—
Breakout force	kN		57	57	42	48.7
	kgf (lb)		5714 (12,820)	5714 (12,820)	4284 (9,445)	4967 (10,950)
Operating weight		kg (lb)	5690 (12,540)	5670 (12,500)	5705 (12,580)	5990 (13,210)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

Fork tine type		FEM IIA	FEM IIB
Fork tine length	mm (ft.in)	1200 (3'11")	1200 (3'11")
A Max. reach at ground level	mm (ft.in)	927 (3'0")	1013 (3'4")
B Max. reach	mm (ft.in)	1375 (4'6")	1375 (4'6")
C Max. reach at max. stacking height	mm (ft.in)	663 (2'2")	663 (2'2")
a Max. height fork-carrier	mm (ft.in)	3654 (12'0")	3654 (12'0")
b Hinge pin height	mm (ft.in)	3200 (10'6")	3200 (10'6")
c Max. stacking height	mm (ft.in)	3074 (10'1")	2952 (9'8")
d Height of forks at maximum reach	mm (ft.in)	1512 (5'0")	1390 (4'7")
Max. static tipping load	Straight	kg (lb)	3520 (7,760)
	Full turn	kg (lb)	3000 (6,615)
Max. payload as per EN 474-3, 80%	kg (lb)	2210 (4,870)	2400 (5,290)
Max. payload as per EN 474-3, 60%	kg (lb)	1800 (3,970)	1790 (3,945)
Weight in working order with fork tines	kg (lb)	5485 (12,090)	5490 (12,100)

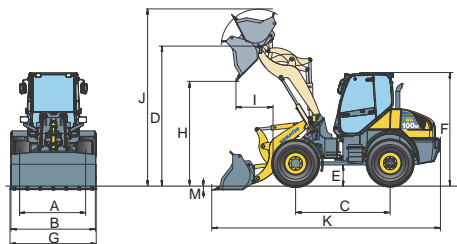


Performance Data Dimensions

WHEEL LOADERS

WA100M-8 (Germany source)

Unit: mm (ft.in)



A Tread	1635 (5'4")
B Width over tires	2080 (6'10")
C Wheelbase	2400 (7'10")
D Hinge pin height, max. height	3520 (11'7")
E Ground clearance	390 (1'3")
F Overall height, ROPS cab	2885 (9'6")
Turning radius at corner of tire	4125 (13'6")

Bucket

Measured with 455/70 R20 tires

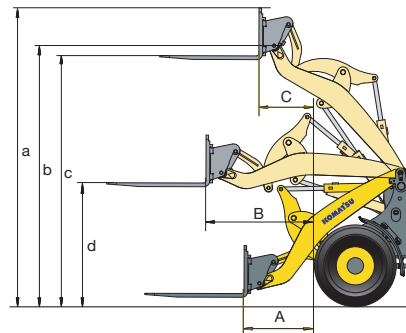
Bucket type			Universal Bucket				Light Material Bucket	4-in-1
			with Teeth	without Teeth	with Teeth	without Teeth	without Teeth	with Teeth
Bucket capacity	Heaped	m ³ (yd ³)	1.3 (1.7)	1.3 (1.7)	1.4 (1.8)	1.4 (1.8)	1.6 (2.1)	1.05 (1.4)
G. Bucket width		mm (ft.in)	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")
Bucket weight		kg (lb)	429 (946)	403 (888)	452 (996)	427 (941)	461 (1,016)	695 (1,532)
Static tipping load	Straight	kg (lb)	6080 (13,400)	6200 (13,670)	6220 (13,710)	6225 (13,720)	5850 (12,900)	5850 (12,900)
	40° full turn	kg (lb)	5195 (11,450)	5285 (11,650)	5300 (11,680)	5325 (11,740)	4975 (10,970)	5205 (11,740)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2635 (8'8")	2655 (8'9")	2405 (7'11")	2305 (7'7")	2480 (8'2")	2545 (8'4")
I. Reach at max. height and 45° dump angle**		mm (ft.in)	940 (3'1")	845 (2'9")	1035 (3'5")	945 (3'1")	965 (3'2")	960 (3'2")
J. Operating height (fully raised)		mm (ft.in)	4420 (14'6")	4420 (14'6")	4420 (14'6")	4420 (14'6")	4470 (14'8")	4415 (14'6")
K. Overall length, bucket on ground		mm (ft.in)	6000 (19'8")	5865 (19'3")	6145 (20'2")	6005 (19'8")	6105 (20'0")	6015 (19'9")
Turning radius*		mm (ft.in)	4655 (15'3")	4655 (15'3")	4660 (15'3")	4660 (15'3")	4670 (15'4")	4670 (15'4")
M. Digging depth 0°		mm (ft.in)	130 (5.1")	130 (5.1")	130 (5.1")	130 (5.1")	125 (4.9")	85 (3.3")
Breakout force		kN	60.4	60.4	71.7	71.7	76.4	62.6
		kgf (lb)	6160 (13,580)	6160 (13,580)	7310 (16,120)	7310 (16,120)	7790 (17,170)	6385 (14,080)
Operating weight		kg (lb)	7160 (15,780)	7135 (15,730)	7185 (15,840)	7160 (15,780)	7195 (15,860)	7430 (16,380)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

Fork tine type		FEM IIA	
Fork tine length	mm (ft.in)	1200 (3'11")	
A Max. reach at ground level	mm (ft.in)	850 (2'9")	
B Max. reach	mm (ft.in)	1380 (4'6")	
C Max. reach at max. stacking height	mm (ft.in)	565 (1'10")	
a Max. height fork-carrier	mm (ft.in)	4000 (13'1")	
b Hinge pin height	mm (ft.in)	3525 (11'7")	
c Max. stacking height	mm (ft.in)	3320 (10'11")	
d Height of forks at maximum reach	mm (ft.in)	1540 (5'1")	
Max. static tipping load	Straight	kg (lb)	4515 (9,950)
	Full turn	kg (lb)	3920 (8,640)
Max. payload as per EN 474-3, 80%	kg (lb)	3136 (6,910)	
Max. payload as per EN 474-3, 60%	kg (lb)	2352 (5,185)	
Weight in working order with fork tines	kg (lb)	7035 (15,510)	

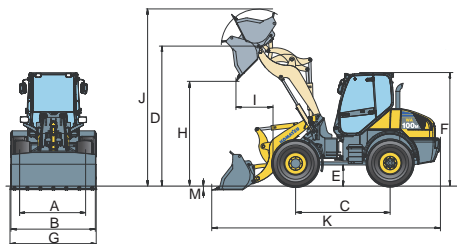


Performance Data Dimensions

WHEEL LOADERS

WA100M-7 (Germany source)

Unit: mm (ft.in)



A Tread	1635 (5'4")
B Width over tires	2080 (6'10")
C Wheelbase	2400 (7'10")
D Hinge pin height, max. height	3545 (11'8")
E Ground clearance	390 (1'3")
F Overall height, ROPS cab	2885 (9'6")
Turning radius at corner of tire	4210 (13'10")

Bucket

Measured with 455/70 R20 tires

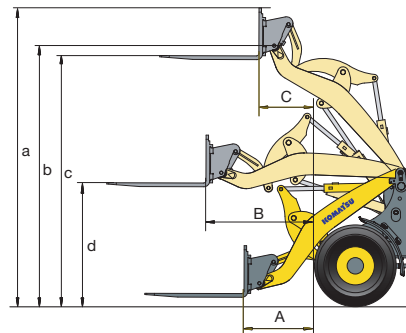
Bucket type			Universal Bucket				Light Material Bucket	4-in-1
			with Teeth	without Teeth	with Teeth	without Teeth	without Teeth	with Teeth
Bucket capacity	Heaped	m ³ (yd ³)	1.25 (1.6)	1.25 (1.6)	1.4 (1.8)	1.4 (1.8)	1.6 (2.1)	1.05 (1.4)
G. Bucket width		mm (ft.in)	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")	2200 (7'3")
Bucket weight		kg (lb)	440 (970)	415 (915)	452 (996)	427 (941)	461 (1,016)	695 (1,532)
Static tipping load	Straight	kg (lb)	5900 (13,010)	6020 (13,270)	6040 (13,320)	6065 (8,995)	5690 (12,540)	5690 (12,540)
	40° full turn	kg (lb)	5030 (11,090)	5140 (11,330)	5165 (11,390)	5190 (11,440)	4840 (10,670)	5070 (11,180)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2710 (8'11")	2730 (8'11")	2480 (8'2")	2580 (8'8")	2560 (8'5")	2620 (8'7")
I. Reach at max. height and 45° dump angle**		mm (ft.in)	940 (3'1")	845 (2'9")	1035 (3'5")	945 (3'1")	965 (3'2")	960 (3'2")
J. Operating height (fully raised)		mm (ft.in)	4515 (14'10")	4515 (14'10")	4515 (14'10")	4515 (14'10")	4565 (15'0")	4510 (14'10")
K. Overall length, bucket on ground		mm (ft.in)	6000 (19'8")	5865 (19'3")	6145 (20'2")	6005 (19'8")	6105 (20'0")	6015 (19'9")
Turning radius*		mm (ft.in)	4730 (15'6")	4730 (15'6")	4735 (15'6")	4735 (15'6")	4745 (15'7")	4725 (15'6")
M. Digging depth 0°		mm (ft.in)	130 (5.1")	130 (5.1")	130 (5.1")	130 (5.1")	125 (4.9")	85 (3.3")
Breakout force		kN	74.2	74.2	50.2	54.7	58.4	71.7
		kgf (lb)	7570 (16,685)	7570 (16,685)	5120 (11,290)	5580 (12,300)	5960 (13,130)	7310 (13,120)
Operating weight		kg (lb)	6950 (15,320)	6925 (15,270)	6960 (15,340)	6935 (15,290)	6995 (15,420)	7230 (15,940)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

Fork tine type		FEM IIA	
Fork tine length	mm (ft.in)	1200 (3'11")	
A Max. reach at ground level	mm (ft.in)	850 (2'9")	
B Max. reach	mm (ft.in)	1380 (4'6")	
C Max. reach at max. stacking height	mm (ft.in)	565 (1'10")	
a Max. height fork-carrier	mm (ft.in)	4000 (13'1")	
b Hinge pin height	mm (ft.in)	3525 (11'7")	
c Max. stacking height	mm (ft.in)	3320 (10'11")	
d Height of forks at maximum reach	mm (ft.in)	1540 (5'1")	
Max. static tipping load	Straight	kg (lb)	4440 (9,790)
	Full turn	kg (lb)	3785 (8,340)
Max. payload as per EN 474-3, 80%	kg (lb)	3030 (6,680)	
Max. payload as per EN 474-3, 60%	kg (lb)	2270 (5,000)	
Weight in working order with fork tines	kg (lb)	6840 (15,080)	

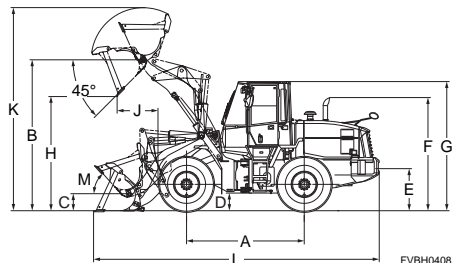


Performance Data Dimensions

WHEEL LOADERS

WA150-6 (Japan source)

Unit: mm (ft.in)



	16.9-24 tires	15.5-25 tires	17.5-25 tires
Tread	1780 (5'10")	1780 (5'10")	1780 (5'10")
Width over tires	2250 (7'5")	2180 (7'2")	2220 (7'3")
A Wheelbase	2600 (8'6")	2600 (8'6")	2600 (8'6")
B Hinge pin height, max. height	3485 (11'5")	3475 (11'5")	3510 (11'6")
C Hinge pin height, carry position	360 (1'2")	360 (1'2")	355 (1'2")
D Ground clearance	400 (1'4")	390 (1'3")	425 (1'5")
E Hitch height	800 (2'7")	790 (2'1")	825 (2'8")
F Overall height, top of the stack	2495 (8'2")	2485 (8'2")	2520 (8'3")
G Overall height, ROPS cab	3035 (9'11")	3025 (9'11")	3060 (10'0")
M Tilt back angle	46°	46°	46°

Measured with 16.9-24-10PR (L2) tires

Bucket type			Stockpile Bucket		Excavating Bucket		Light Material Bucket
			Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	1.5 (2.0)	1.4 (1.8)	1.3 (1.7)	1.2 (1.6)	1.7 (2.2)
	Struck	m ³ (yd ³)	1.25 (1.6)	1.2 (1.6)	1.1 (1.4)	1.05 (1.4)	1.5 (2.0)
Bucket width		mm (ft.in)	2390 (7'10")	2390 (7'10")	2390 (7'10")	2390 (7'10")	2390 (7'10")
Bucket weight		kg (lb)	595 (1,310)	540 (1,190)	580 (1,280)	525 (1,160)	665 (1,470)
Static tipping load	Straight	kg (lb)	6635 (14,630)	6690 (14,750)	6675 (14,720)	6730 (14,840)	6540 (14,420)
	Full turn (38°)	kg (lb)	5775 (12,730)	5825 (12,840)	5810 (12,810)	5860 (12,920)	5695 (12,560)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2705 (8'10")	2645 (8'8")	2745 (9'0")	2685 (8'10")	2630 (8'8")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1385 (4'7")	1405 (4'7")	1365 (4'6")	1385 (4'7")	1420 (4'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	970 (3'10")	1020 (3'4")	930 (3'1")	980 (3'3")	1045 (3'5")
Reach with arm horizontal and bucket level**		mm (ft.in)	2055 (6'9")	2130 (7'0")	1995 (6'6")	2070 (6'9")	2160 (7'1")
K. Operating height (fully raised)		mm (ft.in)	4630 (15'2")	4630 (15'2")	4560 (15'0")	4560 (15'0")	4710 (15'5")
L. Overall length, bucket on ground		mm (ft.in)	6310 (20'8")	6385 (20'11")	6250 (20'6")	6325 (20'6")	6415 (21'1")
Turning radius*		mm (ft.in)	5380 (17'8")	5400 (17'9")	5360 (17'7")	5385 (17'8")	5405 (17'9")
Digging depth	0°	mm (ft.in)	90 (3.5")	100 (3.9")	90 (3.5")	100 (3.9")	90 (3.5")
	10°	mm (ft.in)	255 (10.0")	275 (10.8")	245 (9.6")	265 (10.4")	270 (10.6")
Breakout force		kN (kgf) (lb)	72.6 (7400) (16,310)	66.5 (6780) (14,950)	78.6 (8010) (17,660)	71.5 (7290) (16,070)	64.0 (6530) (14,400)
Operating weight		kg (lb)	7700 (16,980)	7645 (16,850)	7685 (16,940)	7630 (16,830)	7770 (17,130)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

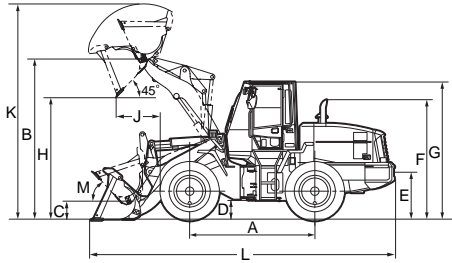
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
15.5-25-8PR (L2)	+10	+22	+10	+22	+5	+11	2180	7'2"	390	1'3"	-10	-0.4"	+10	+0.4"
17.5-25-12PR (L2)	+150	+331	+110	+243	+95	+209	2220	7'3"	425	1'5"	+25	+1.0"	-25	-1.0"
Install ROPS canopy (instead of cab)	-150	-331	-160	-353	-150	-331								
Additional counterweight	+200	+441	+380	+838	+336	+728								

Performance Data Dimensions

WHEEL LOADERS

WA150-5 (Japan source)



	Unit: mm (ft.in)			
	16.9-24-10PR (L2)	14.00-24-12PR (L2)	15.5-25-8PR (L2)	17.5-25-12PR (L2)
Tread	1780 (5'10")	1780 (5'10")	1780 (5'10")	1780 (5'10")
Width over tires	2250 (7'5")	2185 (7'2")	2180 (7'2")	2220 (7'3")
A Wheelbase	2600 (8'6")	2600 (8'6")	2600 (8'6")	2600 (8'6")
B Hinge pin height, max. height	3485 (11'5")	3510 (11'6")	3475 (11'5")	3510 (11'6")
C Hinge pin height, carry position	360 (1'2")	355 (1'2")	360 (1'2")	355 (1'2")
D Ground clearance	400 (1'4")	425 (1'5")	390 (1'3")	425 (1'5")
E Hitch height	800 (2'7")	825 (2'8")	790 (2'7")	825 (2'8")
F Overall height, top of the stack	2420 (7'11")	2445 (8'0")	2410 (7'11")	2445 (8'0")
G Overall height, ROPS cab	3035 (9'11")	3060 (10'0")	3025 (9'11")	3060 (10'0")
M Tilt back angle	46°	46°	46°	46°

Measured with 16.9-24-10PR (L2) tires

Bucket type			Stockpile Bucket with Bolt-on Cutting Edge	Excavating Bucket with Bolt-on Cutting Edge	Light Material Bucket with Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	1.5 (2.0)	1.3 (1.7)	1.7 (2.2)
	Struck	m ³ (yd ³)	1.25 (1.6)	1.1 (1.4)	1.5 (2.0)
Bucket width		mm (ft.in)	2390 (7'10")	2390 (7'10")	2390 (7'10")
Bucket weight		kg (lb)	595 (1,312)	580 (1,279)	665 (1,466)
Static tipping load	Straight	kg (lb)	6370 (14,043)	6410 (14,132)	6280 (13,845)
	Full turn (40°)	kg (lb)	5540 (12,213)	5570 (12,280)	5460 (12,037)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2705 (8'10")	2745 (9'0")	2630 (8'8")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1385 (4'7")	1365 (4'6")	1420 (4'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	970 (3'2")	930 (3'1")	1045 (3'5")
Reach with arm horizontal and bucket level**		mm (ft.in)	2055 (6'9")	1995 (6'6")	2160 (7'1")
K. Operating height (fully raised)		mm (ft.in)	4630 (15'2")	4560 (15'0")	4710 (15'5")
L. Overall length, bucket on ground		mm (ft.in)	6320 (20'9")	6260 (20'6")	6425 (21'1")
Turning radius*		mm (ft.in)	5185 (17'0")	5180 (17'0")	5225 (17'2")
Digging depth	0°	mm (ft.in)	90 (3.5")	90 (3.5")	90 (3.5")
	10°	mm (ft.in)	255 (10.0")	245 (9.6")	270 (10.6")
Breakout force		kgf (lb)	7400 (16,314)	8010 (17,659)	6530 (14,396)
Operating weight		kg (lb)	7425 (16,369)	7410 (16,336)	7495 (16,524)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

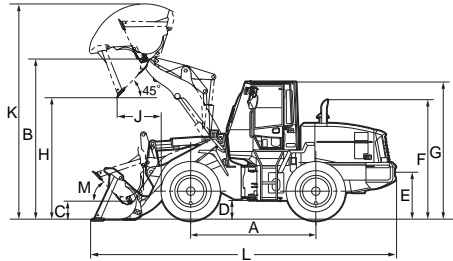
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
	kg	lb	Straight		Full Turn		mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
			kg	lb	kg	lb								
14.00-24-12PR (L2)	+130	+287	+95	+209	+85	+187	2185	7'2"	425	1'5"	+25	+1.0"	-25	-1.0"
15.5-25-8PR (L2)	+10	+22	+10	+22	+5	+11	2180	7'2"	390	1'3"	-10	-0.4"	+10	+0.4"
17.5-25-12PR (L2)	+150	+331	+110	+243	+95	+209	2220	7'3"	425	1'5"	+25	+1.0"	-25	-1.0"
Install ROPS canopy (instead of cab)	-110	-243	-110	-243	-95	-209								
Additional counterweight	+200	+441	+380	+838	+330	+728								
Air conditioner	+70	+154	+80	+176	+70	+154								

Performance Data Dimensions

WHEEL LOADERS

WA200-8 (Japan source)

Unit: mm (ft.in)



	17.5 R25 tires	20.5 R25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2840 (9'4")	2840 (9'4")
B Hinge pin height, max. height	3815 (12'6")	3885 (12'9")
C Hinge pin height, carry position	355 (1'2")	425 (1'5")
D Ground clearance	425 (1'5")	495 (1'7")
E Hitch height	895 (2'11")	965 (3'2")
F Overall height, top of the stack	2940 (9'8")	3010 (9'11")
G Overall height, ROPS cab	3130 (10'3")	3200 (10'6")
M Tilt back angle	47°	47°

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type	Stockpile Bucket		Stockpile Bucket
	with B.O.C.		(Quick Coupler)
			with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.0 (2.6)
	Struck	m ³ (yd ³)	1.7 (2.2)
Bucket width		mm (ft.in)	2550 (8'4")
Bucket weight		kg (lb)	890 (1,960)
Static tipping load	Straight	kg (lb)	8725 (19,240)
	Full turn (40°)	kg (lb)	7645 (16,850)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2965 (9'9")
Reach at 2130 mm (7') clearance and 45° dump angle**		mm (ft.in)	1580 (5'2")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	950 (3'1")
Reach with arm horizontal and bucket level		mm (ft.in)	2315 (7'7")
K. Operating height (fully raised)		mm (ft.in)	5095 (16'9")
L. Overall length		mm (ft.in)	7130 (23'5")
Turning radius*		mm (ft.in)	5930 (19'5")
Digging depth	0°	mm (ft.in)	110 (4.3")
	10°	mm (ft.in)	295 (11.6")
Breakout force		kN	108
		kgf (lb)	11000 (26,670)
Operating weight		kg (lb)	11715 (25,830)
			12015 (26,490)

* Bucket at carry, outside corner of bucket

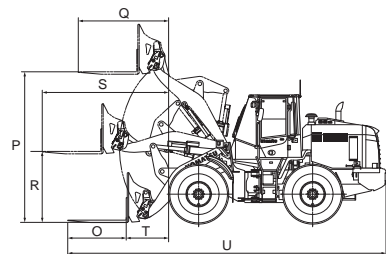
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
17.5 R25 (L2)	-470	-1036	-310	-683	-310	-683	2375	7'10"	425	1'5"	-70	-2.8"
17.5-25-12PR (L2)	-610	-1345	-405	-893	-405	-893	2375	7'10"	425	1'5"	-70	-2.8"
20.5 R25 (L2)	+40	+88	+25	+55	+25	+55	2470	8'1"	495	1'7"	0	0

Fork (with quick coupler)

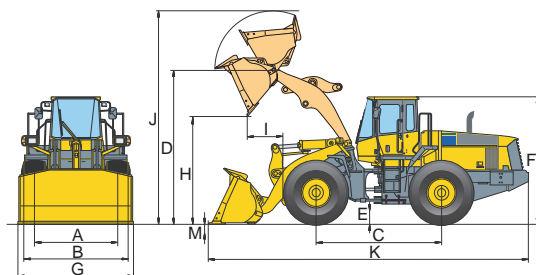
O. Fork tine length		mm (ft.in)	1220 (4'0")
P. Ground to top of tine at maximum lift		mm (ft.in)	3740 (12'3")
Q. Reach at maximum height		mm (ft.in)	2030 (6'8")
R. Ground to top of tine - boom and tine level		mm (ft.in)	1750 (5'9")
S. Reach - boom and tine level		mm (ft.in)	2935 (9'8")
T. Reach - tine level on ground		mm (ft.in)	1110 (3'8")
U. Overall length - tine level on ground		mm (ft.in)	7775 (25'6")
Operating load		mm (ft.in)	2670 (5,890)
Max. static tipping load	Straight	kg (lb)	6095 (13,440)
	Full turn	kg (lb)	5340 (11,770)
Operating weight		kg (lb)	11705 (25,800)



Performance Data Dimensions

WHEEL LOADERS

WA200-8 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2840 (9'4")
D Hinge pin height, max. height	3885 (12'9")
E Ground clearance	495 (1'7")
F Overall height, ROPS cab	3200 (10'6")
G Turning radius at corner of tire	5150 (16'11")

Bucket

Measured with 20.5 R25 tires

Bucket type			Flat bottom Bucket			
			with Teeth		without Teeth	
Bucket mount			Direct	Direct	Quick-coupler	Quick-coupler
Bucket capacity	Heaped	m ³ (yd ³)	1.9 (2.5)	2.0 (2.6)	1.9 (2.5)	2.0 (2.6)
G. Bucket width			mm (ft.in)	2540 (8'4")	2540 (8'4")	2540 (8'4")
Bucket weight			kg (lb)	900 (1,984)	973 (2,145)	870 (1,918)
Static tipping load	Straight	kg (lb)	9316 (20,540)	9168 (20,210)	8550 (18,850)	8407 (18,530)
	40° full turn	kg (lb)	8176 (18,020)	8034 (17,710)	7469 (16,470)	7331 (16,160)
H. Dumping clearance, max. height and 45° dump angle**			mm (ft.in)	2859 (9'5")	2937 (9'8")	2701 (8'10")
I. Reach at max. height and 45° dump angle**			mm (ft.in)	1090 (3'7")	978 (3'3")	1235 (4'1")
J. Operating height (fully raised)			mm (ft.in)	5244 (17'2")	5244 (17'2")	5386 (17'8")
K. Overall length, bucket on ground			mm (ft.in)	7305 (24'0")	7191 (23'7")	7528 (24'8")
Turning radius*			mm (ft.in)	5757 (18'11")	5723 (18'9")	5828 (19'1")
M. Digging depth 0°			mm (ft.in)	85 (3.3")	110 (4.3")	95 (3.7")
Breakout force			kN	110.3	104.3	90.3
			kgf (lb)	11250 (24,800)	10640 (23,450)	9210 (20,300)
Operating weight			kg (lb)	11880 (26,190)	11950 (26,340)	12160 (26,810)

* Bucket at carry, outside corner of bucket

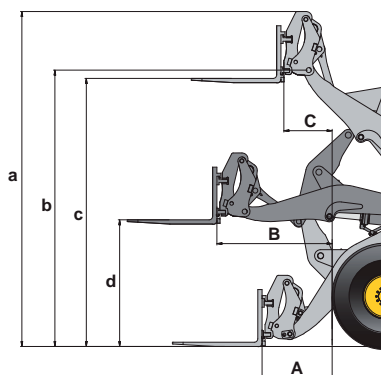
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach at 45°		Change in Dump Height at 45°	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
17.5 R25 (L2)	-330	-728	-220	-485	-195	-430	-75	-3.0"	+70	+2.8"	-75	-3.0"
20.5 R25 (L5)	+680	+1499	+370	+816	+370	+816	0	0	-20	-0.8"	+25	+1.0"

Fork

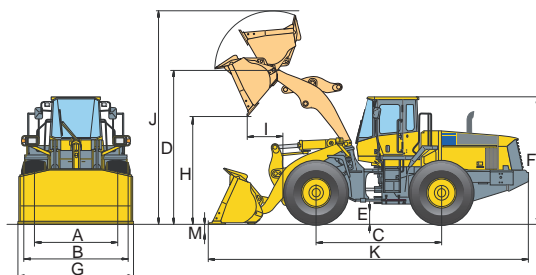
Fork tine length	mm (ft.in)	1200 (3'11")	
A Max. reach at ground level	mm (ft.in)	1045 (3'5")	
B Max. reach	mm (ft.in)	1680 (5'6")	
C Max. reach at max. stacking height	mm (ft.in)	780 (2'7")	
a Max. height fork-carrier	mm (ft.in)	4705 (15'5")	
b Hinge pin height	mm (ft.in)	3885 (12'9")	
c Max. stacking height	mm (ft.in)	3765 (12'4")	
d Height of forks at maximum reach	mm (ft.in)	1780 (5'10")	
Max. static tipping load	Straight	kg (lb)	6640 (13,910)
	Full turn	kg (lb)	5820 (12,830)
Max. payload as per EN 474-3, 80%	kg (lb)	4520 (9,970)	
Max. payload as per EN 474-3, 60%	kg (lb)	3390 (7,470)	
Weight in working order with fork tines	kg (lb)	11845 (26,110)	



Performance Data Dimensions

WHEEL LOADERS

WA200-8 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2840 (9'4")
D Hinge pin height, max. height	3885 (12'9")
E Ground clearance	495 (1'7")
F Overall height, ROPS cab	3200 (10'6")
Turning radius at corner of tire	5150 (16'11")

Bucket

Measured with 20.5 R25 tires

Bucket type			Raised bottom Bucket			
			with Teeth	without Teeth	with Teeth	without Teeth
Bucket mount			Direct	Direct	Quick-coupler	Quick-coupler
Bucket capacity	Heaped	m ³ (yd ³)	1.9 (2.5)	2.0 (2.6)	1.9 (2.5)	2.0 (2.6)
G. Bucket width		mm (ft.in)	2540 (8'4")	2540 (8'4")	2540 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	885 (1,951)	958 (2,112)	839 (1,850)	912 (2,010)
Static tipping load	Straight	kg (lb)	9342 (20,600)	9194 (20,270)	8592 (18,940)	8447 (18,620)
	40° full turn	kg (lb)	8200 (18,080)	8059 (17,770)	7509 (16,550)	7371 (16,250)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2859 (9'5")	2937 (9'8")	2701 (8'10")	2778 (9'1")
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1090 (3'7")	978 (3'3")	1235 (4'1")	1123 (3'8")
J. Operating height (fully raised)		mm (ft.in)	5244 (17'2")	5244 (17'2")	5386 (17'8")	5386 (17'8")
K. Overall length, bucket on ground		mm (ft.in)	7305 (24'0")	7191 (23'7")	7528 (24'8")	7414 (24'4")
Turning radius*		mm (ft.in)	5757 (18'11")	5723 (18'9")	5828 (19'1")	5793 (19'0")
M. Digging depth		mm (ft.in)	85 (3.3")	110 (4.3")	95 (3.7")	120 (4.7")
Breakout force		kN	110.3	104.3	90.3	86.3
		kgf (lb)	11250 (24,800)	10640 (23,450)	9210 (20,300)	8800 (19,400)
Operating weight		kg (lb)	11865 (26,160)	11935 (26,310)	12130 (26,740)	12205 (26,910)

* Bucket at carry, outside corner of bucket

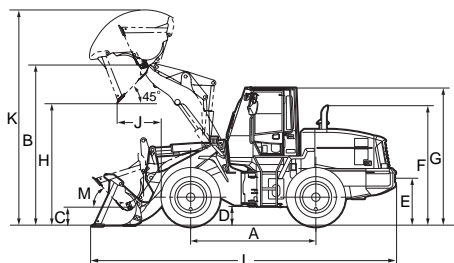
** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA200-7 (Japan source)

Unit: mm (ft.in)



	17.5 R25 tires	20.5 R25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2840 (9'4")	2840 (9'4")
B Hinge pin height, max. height	3815 (12'6")	3885 (12'9")
C Hinge pin height, carry position	355 (1'2")	425 (1'5")
D Ground clearance	425 (1'5")	495 (1'7")
E Hitch height	895 (2'11")	965 (3'2")
F Overall height, top of the stack	2805 (9'2")	2875 (9'5")
G Overall height, ROPS cab	3110 (10'2")	3180 (10'5")
M Tilt back angle	47°	47°

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type	Stockpile Bucket		Stockpile Bucket (with Quick Coupler)
	with B.O.C.		with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.0 (2.6)
	Struck	m ³ (yd ³)	1.7 (2.2)
Bucket width	mm (ft.in)		2550 (8'4")
Bucket weight	kg (lb)		890 (1,960)
Static tipping load	Straight	kg (lb)	8605 (18,970)
	Full turn (40°)	kg (lb)	7515 (16,570)
H. Dumping clearance, max. height and 45° dump angle**	mm (ft.in)		2965 (9'9")
Reach at 2130 mm (7') clearance and 45° dump angle	mm (ft.in)		1580 (5'2")
J. Reach at max. height and 45° dump angle**	mm (ft.in)		950 (3'1")
Reach with arm horizontal and bucket level**	mm (ft.in)		2315 (7'7")
K. Operating height (fully raised)	mm (ft.in)		5095 (16'9")
L. Overall length, bucket on ground	mm (ft.in)		7090 (23'3")
Turning radius*	mm (ft.in)		5930 (19'5")
Digging depth	0°	mm (ft.in)	110 (4.3")
	10°	mm (ft.in)	-
Breakout force	kN		108
	kgf (lb)		11000 (26,670)
Operating weight	kg (lb)		11495 (25,340)
	kg (lb)		11890 (26,210)

* Bucket at carry, outside corner of bucket

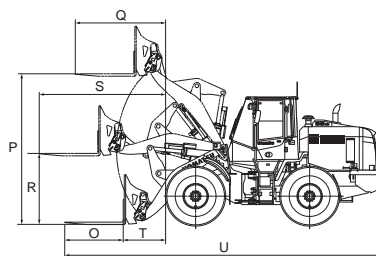
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
17.5R25 (L-2)	-470	-1036	-310	-683	-310	-683	2375	7'10"	425	1'5"	-70	-2.8"
17.5-25-12PR (L-2)	-610	-1345	-405	-893	-405	-893	2375	7'10"	425	1'5"	-70	-2.8"
20.5 R25 (L-2)	+40	+88	+25	+55	+25	+55	2470	8'1"	495	1'7"	0	0

Fork (with quick coupler)

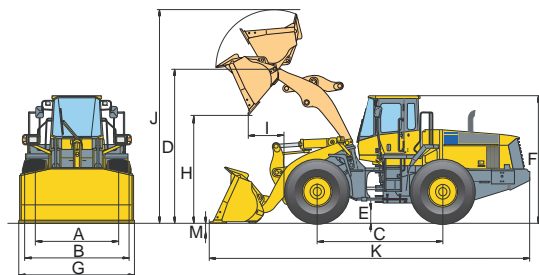
O. Fork tine length	mm (ft.in)	1220 (4'0")	
P. Ground to top of tine at maximum lift	mm (ft.in)	3740 (12'3")	
Q. Reach at maximum height	mm (ft.in)	2030 (6'8")	
R. Ground to top of tine - boom and tine level	mm (ft.in)	1750 (5'9")	
S. Reach - boom and tine level	mm (ft.in)	2935 (9'8")	
T. Reach - tine level on ground	mm (ft.in)	1110 (3'8")	
U. Overall length - tine level on ground	mm (ft.in)	7775 (25'6")	
Operating load	mm (ft.in)	2578 (5,680)	
Max. static tipping load	Straight	kg (lb)	5905 (13,020)
	Full turn	kg (lb)	5155 (11,365)
Operating weight	kg (lb)	11485 (25,320)	



Performance Data Dimensions

WHEEL LOADERS

WA200-7 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2840 (9'4")
D Hinge pin height, max. height	3885 (12'9")
E Ground clearance	495 (1'7")
F Overall height, ROPS cab	3180 (10'5")
Turning radius at corner of tire	5150 (16'11")

Bucket

Measured with 20.5 R25 tires, ROPS/FOPS cab

Bucket type			Earthmoving Bucket		Stockpile Bucket		Universal Bucket	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	1.9 (2.5)	1.9 (2.5)	2.0 (2.6)	2.1 (2.7)	1.9 (2.5)	2.0 (2.6)
	Struck	m ³ (yd ³)	-	-	-	-	-	-
G. Bucket width		mm (ft.in)	2545 (8'4")	2540 (8'4")	2545 (8'4")	2540 (8'4")	2545 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	870 (1,918)	945 (2,083)	890 (1,962)	965 (2,127)	835 (1,841)	910 (2,006)
Static tipping load	Straight	kg (lb)	8935 (19,700)	8790 (19,380)	8890 (19,600)	8745 (19,280)	9010 (19,860)	8850 (19,510)
	40° full turn	kg (lb)	7830 (17,480)	7690 (16,950)	7785 (17,160)	7645 (16,850)	7900 (17,420)	7750 (17,090)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2895 (9'6")	2975 (9'9")	2875 (8'5")	2950 (9'8")	2890 (9'6")	2965 (9'9")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	-	-	-	-	-	-
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1055 (3'6")	940 (3'1")	1075 (3'6")	965 (3'2")	1060 (3'6")	950 (3'1")
Reach with arm horizontal and bucket level		mm (ft.in)	-	-	-	-	-	-
J. Operating height (fully raised)		mm (ft.in)	5160 (16'11")	5160 (16'11")	5165 (16'11")	5165 (16'11")	5150 (16'11")	5150 (16'11")
K. Overall length, bucket on ground		mm (ft.in)	7215 (23'8")	7100 (23'4")	7245 (23'9")	7130 (23'5")	7225 (23'8")	7110 (23'4")
Turning radius*		mm (ft.in)	5735 (18'10")	5700 (18'8")	5745 (18'10")	5710 (18'9")	5740 (18'10")	5705 (18'9")
M. Digging depth	0°	mm (ft.in)	85 (3.3")	110 (4.3")	85 (3.3")	110 (4.3")	85 (3.3")	110 (4.3")
	10°	mm (ft.in)	-	-	-	-	-	-
Breakout force		kN	118.6	111.8	114.8	108.5	117.3	110.5
		kgf (lb)	12100 (26,670)	11400 (25,140)	11710 (25,820)	11070 (24,400)	11960 (26,380)	11270 (24,850)
Operating weight		kg (lb)	11380 (25,090)	11455 (25,250)	11400 (25,130)	11475 (25,300)	11345 (25,010)	11420 (25,180)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Weight Changes

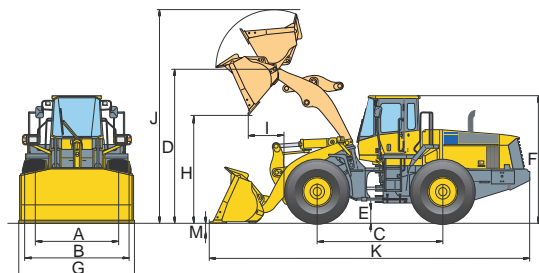
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach at 45°		Change in Dump Height at 45°	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5 R25 (L2)	-330	-728	-220	-485	-195	-435	-75	-3"	+70	+2.8"	-75	-3"
20.5 R25 (L5)	+680	+1499	+460	+1,014	+400	+882	0	0"	-20	-0.8"	+25	+1"

Performance Data Dimensions

WHEEL LOADERS

WA200-7 (Germany source)

Unit: mm (ft.in)



A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2840 (9'4")
D Hinge pin height, max. height	3885 (12'9")
E Ground clearance	495 (1'7")
F Overall height, ROPS cab	3180 (10'5")
Turning radius at corner of tire	5150 (16'11")

Bucket

Measured with 20.5 R25 tires, ROPS/FOPS cab

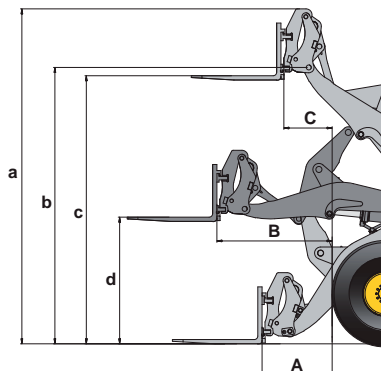
Bucket type			Earthmoving Bucket		Stockpile Bucket		Universal Bucket	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler
Bucket capacity	Heaped	m ³ (yd ³)	1.9 (2.5)	2.0 (2.6)	2.0 (2.6)	2.1 (2.7)	1.9 (2.5)	2.0 (2.6)
	Struck	m ³ (yd ³)	—	—	—	—	—	—
G. Bucket width			mm (ft.in)	2545 (8'4")	2540 (8'4")	2545 (8'4")	2540 (8'4")	2545 (8'4")
Bucket weight			kg (lb)	860 (1,896)	935 (2,061)	875 (1,929)	950 (2,094)	825 (1,819)
Static tipping load	Straight	kg (lb)	8440 (18,610)	8280 (18,250)	8385 (18,490)	8260 (18,210)	8430 (18,590)	8290 (18,280)
	40° full turn	kg (lb)	7355 (16,220)	7205 (15,880)	7305 (16,110)	7185 (15,840)	7355 (16,220)	7215 (15,910)
H. Dumping clearance, max. height and 45° dump angle**			mm (ft.in)	2750 (9'0")	2830 (9'3")	2730 (8'11")	2805 (9'2")	2730 (8'11")
Reach at 2130 mm (7') clearance and 45° dump angle			mm (ft.in)	—	—	—	—	—
I. Reach at max. height and 45° dump angle**			mm (ft.in)	1215 (4'0")	1100 (3'7")	1235 (4'1")	1120 (3'8")	1205 (3'11")
Reach with arm horizontal and bucket level			mm (ft.in)	—	—	—	—	—
J. Operating height (fully raised)			mm (ft.in)	5315 (17'5")	5315 (17'5")	5315 (17'5")	5315 (17'5")	5290 (17'4")
K. Overall length, bucket on ground			mm (ft.in)	7420 (24'4")	7305 (24'0")	7450 (24'5")	7335 (24'1")	7450 (24'5")
Turning radius*			mm (ft.in)	5800 (19'0")	5765 (18'11")	5810 (19'1")	5775 (18'11")	5810 (19'1")
M. Digging depth	0°	mm (ft.in)	75 (3")	100 (3.9")	75 (3")	100 (3.9")	95 (3.7")	120 (4.7")
	10°	mm (ft.in)	—	—	—	—	—	—
Breakout force			kN	96	91.6	93.6	89.3	95.3
			kgf (lb)	9790 (21,590)	9340 (20,600)	9550 (21,050)	9110 (20,080)	9720 (21,430)
Operating weight			kg (lb)	11765 (25,940)	11840 (26,100)	11780 (25,970)	11855 (26,140)	11730 (25,860)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

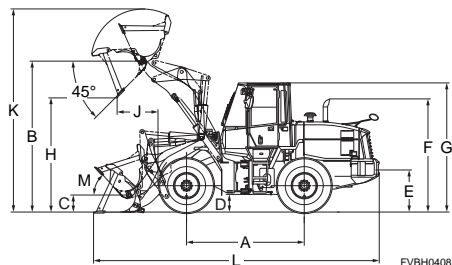
Fork tine length	mm (ft.in)	1200 (3'11")	
A Max. reach at ground level	mm (ft.in)	985 (3'3")	
B Max. reach	mm (ft.in)	1620 (5'4")	
C Max. reach at max. stacking height	mm (ft.in)	720 (2'4")	
a Max. height fork-carrier	mm (ft.in)	4705 (15'5")	
b Hinge pin height	mm (ft.in)	3885 (12'9")	
c Max. stacking height	mm (ft.in)	3765 (12'4")	
d Height of forks at maximum reach	mm (ft.in)	1780 (5'10")	
Max. static tipping load	Straight	kg (lb)	6310 (13,910)
	turn	kg (lb)	5520 (12,170)
Max. payload as per EN 474-3,	kg (lb)	4415 (9,730)	
Max. payload as per EN 474-3,	kg (lb)	3325 (7,330)	
Weight in working order with fork	kg (lb)	11470 (25,290)	



Performance Data Dimensions

WHEEL LOADERS

WA200-6 (Japan source)



	Unit: mm (ft.in)	
Tread	17.5-25 tires	20.5-25 tires
Width over tires	1930 (6'4")	1930 (6'4")
A Wheelbase	2375 (7'10")	2470 (8'1")
B Hinge pin height, max. height	2840 (9'4")	2840 (9'4")
C Hinge pin height, carry position	3635 (11'11")	3705 (12'2")
D Ground clearance	410 (1'4")	380 (1'3")
E Hitch height	425 (1'5")	495 (1'8")
F Overall height, top of the stack	870 (2'10")	940 (3'1")
G Overall height, ROPS cab	2725 (8'11")	2795 (9'2")
M Tilt back angle	3110 (10'2")	3180 (10'5")
		48°

Measured with 17.5-25-12PR (L2) tires

Bucket type			Stockpile Bucket		Excavating Bucket		Light Material Bucket
			Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.0 (2.6)	1.9 (2.5)	1.7 (2.2)	1.6 (2.1)	2.4 (3.1)
	Struck	m ³ (yd ³)	1.7 (2.2)	1.6 (2.1)	1.4 (1.8)	1.3 (1.7)	2.0 (2.6)
Bucket width		mm (ft.in)	2550 (8'4")	2565 (8'5")	2550 (8'4")	2565 (8'5")	2550 (8'4")
Bucket weight		kg (lb)	785 (1,731)	730 (1,610)	740 (1,631)	655 (1,510)	875 (1,929)
Static tipping load	Straight	kg (lb)	8735 (19,260)	8785 (19,340)	8775 (19,390)	8830 (19,470)	8505 (18,750)
	Full turn (38°)	kg (lb)	7515 (16,570)	7555 (16,660)	7575 (16,700)	7595 (16,740)	7295 (16,083)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2760 (9'1")	2670 (8'9")	2815 (9'3")	2730 (8'11")	2655 (8'9")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1480 (4'10")	1505 (4'11")	1480 (4'10")	1525 (5'0")	1530 (5'0")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1000 (3'3")	1075 (3'6")	945 (3'1")	1015 (3'4")	1105 (3'8")
Reach with arm horizontal and bucket level**		mm (ft.in)	2215 (7'3")	2330 (7'8")	2135 (7'0")	2245 (7'4")	2365 (7'9")
K. Operating height (fully raised)		mm (ft.in)	4885 (16'0")	4885 (16'0")	4765 (15'8")	4765 (15'8")	4995 (16'5")
L. Overall length, bucket on ground		mm (ft.in)	6895 (22'7")	7010 (23'0")	6815 (22'4")	6930 (22'9")	7050 (23'2")
Turning radius*		mm (ft.in)	5850 (19'2")	5890 (19'4")	5830 (19'2")	5870 (19'3")	5890 (19'4")
Digging depth	0°	mm (ft.in)	140 (5.5")	150 (5.9")	140 (5.5")	150 (5.9")	135 (5.3")
	10°	mm (ft.in)	320 (1'1")	350 (1'2")	305 (1'0")	355 (1'1")	345 (1'2")
Breakout force		kN (kgf) (lb)	93.2 (9500) (20,944)	83.0 (8465) (18,662)	102.5 (10450) (23,038)	90.7 (9230) (20,338)	81.4 (8300) (18,298)
Operating weight		kg (lb)	9735 (21,460)	9680 (21,340)	9690 (21,360)	9675 (21,330)	9820 (21,650)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

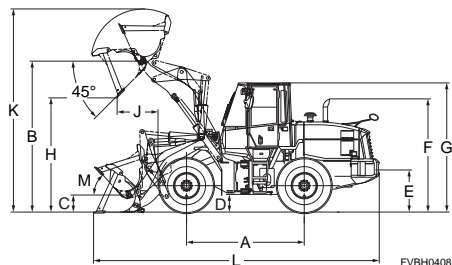
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
	kg	lb	Straight		Full Turn									
			kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in		
17.5-25-12PR (L3)	+105	+231	+80	+176	+70	+154	2375	7'10"	425	1'5"	0	0"	0	0"
20.5-25-12PR (L2)	+400	+882	+305	+672	+270	+595	2470	8'1"	495	1'8"	+70	+2.8"	-70	-2.8"
20.5-25-12PR (L3)	+585	+1,290	+445	+981	+390	+860	2470	8'1"	495	1'8"	+70	+2.8"	-70	-2.8"
Install ROPS canopy (instead of cab)	-150	-331	-150	-331	-130	-287								
Additional counterweight	+300	+661	+590	+1,301	+510	+1,124								

Performance Data Dimensions

WHEEL LOADERS

WA200-6 (Japan source)



	Unit: mm (ft.in)
	17.5-25 tires, High Lift Boom
	1930 (6'4")
	2375 (7'10")
A Wheelbase	2840 (9'4")
B Hinge pin height, max. height	4320 (14'2")
C Hinge pin height, carry position	600 (2'0")
D Ground clearance	425 (1'5")
E Hitch height	870 (2'10")
F Overall height, top of the stack	2725 (8'11")
G Overall height, ROPS cab	3110 (10'2")
M Tilt back angle	50°

Measured with 17.5-25-12PR (L3) tires, High Lift Boom

Bucket type			High Lift Boom	
			Excavating Bucket	
			B.O.C.	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	1.7 (2.2)	1.6 (2.6)
	Struck	m ³ (yd ³)	1.4 (1.8)	1.3 (1.7)
Bucket width		mm (ft.in)	2550 (8'4")	2565 (8'5")
Bucket weight		kg (lb)	740 (1,631)	685 (1,510)
Static tipping load	Straight	kg (lb)	6960 (15,340)	7025 (15,490)
	Full turn (40°)	kg (lb)	5985 (13,190)	6045 (13,330)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3410 (11'2")	3325 (10'11")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2020 (6'8")	2055 (6'9")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1035 (3'5")	1110 (3'8")
Reach with arm horizontal and bucket level**		mm (ft.in)	2650 (8'8")	2760 (9'1")
K. Operating height (fully raised)		mm (ft.in)	5360 (17'7")	5360 (17'7")
L. Overall length, bucket on ground		mm (ft.in)	7465 (24'6")	7580 (24'10")
Turning radius*		mm (ft.in)	6110 (20'1")	6155 (20'2")
Digging depth	0°	mm (ft.in)	270 (10.6")	280 (11.0")
	10°	mm (ft.in)	435 (1'5")	465 (1'6")
Breakout force		kN	93.6	82.8
		kgf	9545	8445
		(lb)	(21,040)	(18,620)
Operating weight		kg	10250	10195
		(lb)	(22,600)	(22,480)

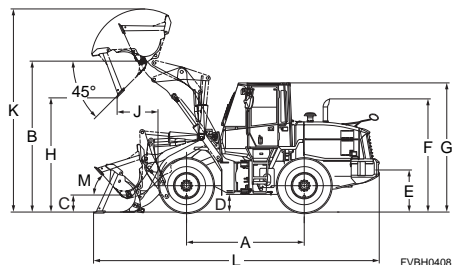
* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA200-6 (Brazil source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2840 (9'4")	2840 (9'4")
B Hinge pin height, max. height	3635 (11'11")	3705 (12'2")
C Hinge pin height, carry position	410 (1'4")	480 (1'7")
D Ground clearance	425 (1'5")	495 (1'8")
E Hitch height	870 (2'10")	940 (3'1")
F Overall height, top of the stack	3045 (10'0")	3115 (10'3")
G Overall height, ROPS cab	3110 (10'2")	3180 (10'5")
M Tilt back angle		48°

Measured with 17.5-25-12PR (L2) tires

Bucket type			Stockpile Bucket		Excavating Bucket		Light Material Bucket
			Bolt-on Cutting Edge	Segment Teeth	Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.0 (2.6)	2.0 (2.6)	1.7 (2.2)	1.7 (2.2)	2.4 (3.1)
	Struck	m ³ (yd ³)	1.7 (2.2)	1.7 (2.2)	1.4 (1.8)	1.4 (1.8)	2.0 (2.6)
Bucket width		mm (ft.in)	2550 (8'4")	2550 (8'4")	2550 (8'4")	2550 (8'4")	2550 (8'4")
Bucket weight		kg (lb)	785 (1,731)	740 (1,631)	740 (1,630)	700 (1,543)	875 (1,929)
Static tipping load	Straight	kg (lb)	9245 (20,380)	9245 (20,380)	9305 (20,510)	9340 (20,590)	9095 (20,050)
	40° full turn	kg (lb)	7965 (17,560)	7965 (17,560)	8015 (17,670)	8035 (17,710)	7805 (17,210)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2760 (9'1")	2655 (8'9")	2815 (9'3")	2725 (8'11")	2655 (8'9")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1480 (4'10")	1500 (4'11")	1455 (4'9")	1500 (4'11")	1530 (5'0")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1000 (3'3")	1085 (3'7")	945 (3'1")	1040 (3'5")	1105 (3'8")
Reach with arm horizontal and bucket level**		mm (ft.in)	2215 (7'3")	2345 (7'8")	2135 (7'0")	2265 (7'5")	2365 (7'9")
K. Operating height (fully raised)		mm (ft.in)	4885 (16'0")	4885 (16'0")	4765 (15'8")	4765 (15'8")	4995 (16'5")
L. Overall length, bucket on ground		mm (ft.in)	6895 (22'7")	7030 (23'1")	6815 (22'4")	6945 (22'9")	7050 (23'2")
Turning radius*		mm (ft.in)	5880 (19'4")	5890 (19'4")	5830 (19'2")	5865 (19'3")	5890 (19'4")
Digging depth	0°	mm (ft.in)	135 (5.3")	155 (6.1")	135 (5.3")	155 (6.1")	135 (5.3")
	10°	mm (ft.in)	320 (1'1")	360 (1'2")	305 (1'0")	345 (1'2")	345 (1'2")
Breakout force		kN	93.2	83.0	102.5	102.5	81.4
		kgf (lb)	9500 (20,940)	8465 (18,660)	10450 (23,040)	10450 (23,040)	8300 (18,300)
Operating weight		kg (lb)	10560 (23,280)	10515 (23,180)	10515 (23,180)	10475 (23,090)	10650 (23,480)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

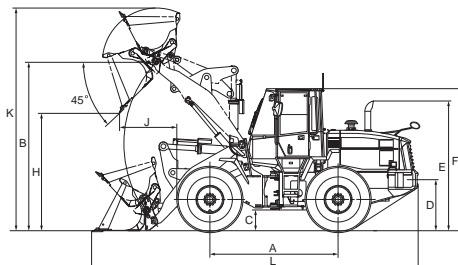
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width over Tire		Ground clearance		Change in Vertical Dimensions		Change in Reach	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
17.5-25-12PR (L3)	+105	+231	+80	+176	+70	+154	2375	7'10"	425	1'5"	0	0	0	0
20.5-25-12PR (L2)	+400	+882	+305	+672	+290	+639	2470	8'1"	495	1'8"	+70	+2.8"	-70	-2.8"
20.5-25-12PR (L3)	+585	1,290	+445	+981	+390	+860	2470	8'1"	495	1'8"	+70	+2.8"	-70	-2.8"

Performance Data Dimensions

WHEEL LOADERS

WA200PZ-6 (Japan source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2840 (9'4")	2840 (9'4")
B Hinge pin height, max. height	3815 (12'6")	3885 (12'9")
C Ground clearance	425 (1'5")	495 (1'8")
D Hitch height	870 (2'10")	940 (3'1")
E Overall height, top of the stack	2725 (8'11")	2795 (9'2")
F Overall height, ROPS cab	3110 (10'2")	3180 (10'5")

Bucket

Measured with 20.5-25-12PR (L2) tires

Bucket type			Stockpile Bucket with Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.0 (2.6)
	Struck	m ³ (yd ³)	1.7 (2.2)
Bucket width		mm (ft.in)	2540 (8'4")
Bucket weight		kg (lb)	910 (2,005)
Static tipping load	Straight	kg (lb)	7955 (17,540)
	Full turn (40°)	kg (lb)	7000 (15,430)
H. Dumping clearance, max. height and 45° dump angle*		mm (ft.in)	2810 (9'3")
Reach at 2130 mm (7') and 45° dump angle*		mm (ft.in)	1645 (5'5")
J. Reach at max. height and 45° dump angle*		mm (ft.in)	1090 (3'7")
Reach with boom/bucket level*		mm (ft.in)	3275 (10'9")
K. Operating height (fully raised)		mm (ft.in)	5305 (17'5")
L. Overall length, bucket on ground		mm (ft.in)	7310 (24'0")
Digging depth	0°	mm (ft.in)	120 (4.7")
	10°	mm (ft.in)	345 (1'2")
Breakout force		kN/kgf (lb)	88.4/9010 (19,865)
Operating weight		kg (lb)	11450 (25,240)

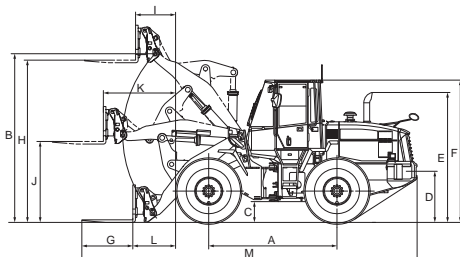
* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
17.5-25-12PR (L2)	-325	-716	-215	-474	-185	-408	2375	7'10"	425	1'5"	-70	-2.8"	+75	+3.0"
17.5-25-12PR (L3)	-290	-639	-190	-419	-167	-368	2375	7'10"	425	1'5"	-70	-2.8"	+75	+3.0"
20.5-25-12PR (L3)	+165	+364	+105	+231	+95	+209	2470	8'1"	495	1'8"	0	0"	0	0"
Install ROPS canopy (instead of cab)	-167	-368	-152	-335	-134	-295								

WA200PZ-6 (Japan source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2840 (9'4")	2840 (9'4")
B Hinge pin height, max. height	3815 (12'6")	3885 (12'9")
C Ground clearance	425 (1'5")	495 (1'8")
D Hitch height	870 (2'10")	940 (3'1")
E Overall height, top of the stack	2725 (8'11")	2795 (9'2")
F Overall height, ROPS cab	3110 (10'2")	3180 (10'5")

Unit: mm (ft.in)

Fork

Measured with 20.5-25-12PR (L2) tires

Static tipping load – boom level Fork level, 610 mm (24") load center	Straight	kg (lb)	6050 (13,340)
	Full turn (40°)	kg (lb)	5300 (11,680)
Operating weight		kg (lb)	11460 (25,260)
G. Fork tine length		mm (ft.in)	1220 (4'0")
H. Ground to top of tine at maximum lift		mm (ft.in)	3765 (12'4")
I. Reach at maximum lift		mm (ft.in)	775 (2'7")
J. Ground to top of Tine – boom and tine level		mm (ft.in)	1780 (5'10")
K. Reach – boom and tine level		mm (ft.in)	1675 (5'6")
L. Reach – tine level on ground		mm (ft.in)	1040 (3'5")
M. Overall length – tine level on ground		mm (ft.in)	7645 (25'1")
Operating load		kg (lb)	2650 (5,840)

Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

Weight Changes

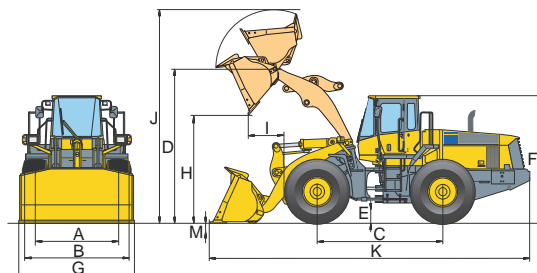
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
17.5-25-12PR (L2)	-325	-716	-215	-474	-185	-408	2375	7'10"	425	1'5"	-70	-2'8"	+75	+3.0"
17.5-25-12PR (L3)	-290	-639	-190	-419	-167	-368	2375	7'10"	425	1'5"	-70	-2'8"	+75	+3.0"
20.5-25-12PR (L3)	+165	+364	+105	+231	+95	+209	2470	8'1"	495	1'8"	0	0"	0	0"
Install ROPS canopy (instead of cab)	-167	-368	-152	-335	-134	-295								

Performance Data Dimensions

WHEEL LOADERS

WA200PZ-6 (Germany source)

Unit: mm (ft.in)



A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2840 (9'4")
D Hinge pin height, max. height	3885 (12'9")
E Ground clearance	495 (1'7")
F Overall height, ROPS cab	3180 (10'5")
Turning radius at corner of tire	5150 (16'11")

Bucket (with quick coupler)

Measured with 20.5 R25 tires

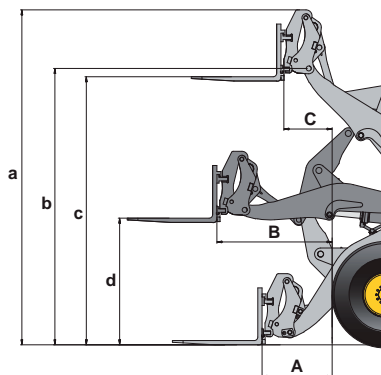
Bucket type			Earthmoving		Stockpile		Universal	
			With teeth	With B.O.C.	With teeth	With B.O.C.	With teeth	With B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	1.9 (2.5)	2.0 (2.6)	2.0 (2.6)	2.1 (2.7)	1.9 (2.5)	2.0 (2.6)
	Struck	m ³ (yd ³)	—	—	—	—	—	—
Bucket width		mm (ft.in)	2545 (8'4")	2540 (8'4")	2545 (8'4")	2540 (8'4")	2545 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	860 (1,896)	935 (2,061)	875 (1,929)	950 (2,094)	825 (1,819)	900 (1,984)
Static tipping load	Straight	kg (lb)	8440 (18,610)	8280 (18,250)	8385 (18,490)	8260 (18,210)	8430 (18,590)	8290 (18,280)
	40° full turn	kg (lb)	7355 (16,220)	7205 (15,880)	7305 (16,110)	7185 (15,840)	7355 (16,220)	7215 (15,910)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2750 (9'0")	2830 (9'3")	2730 (8'11")	2805 (9'2")	2805 (9'2")	2730 (8'11")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	—	—	—	—	—	—
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1215 (4'0")	1100 (3'7")	1235 (4'1")	1120 (3'8")	1205 (3'11")	1095 (3'7")
Reach with arm horizontal and bucket level		mm (ft.in)	—	—	—	—	—	—
J. Operating height (fully raised)		mm (ft.in)	5315 (17'5")	5315 (17'5")	5315 (17'5")	5315 (17'5")	5290 (17'4")	5290 (17'4")
K. Overall length		mm (ft.in)	7420 (24'4")	7305 (24'0")	7450 (24'5")	7335 (24'1")	7450 (24'5")	7335 (24'1")
Turning radius*		mm (ft.in)	5800 (19'0")	5765 (18'11")	5810 (19'1")	5775 (18'11")	5810 (19'1")	5770 (18'11")
M. Digging depth	0°	mm (ft.in)	75 (3.0")	100 (3.9")	75 (3.0")	100 (3.9")	95 (3.7")	120 (4.7")
	10°	mm (ft.in)	—	—	—	—	—	—
Breakout force	kN		96	91.6	93.6	89.3	95.3	90.9
	kgf (lb)		9790 (21,590)	9340 (20,600)	9550 (21,050)	9110 (20,080)	9720 (21,430)	9270 (20,440)
Operating weight		kg (lb)	11765 (25,940)	11840 (26,100)	11780 (25,970)	11855 (26,140)	11730 (25,860)	11805 (26,030)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

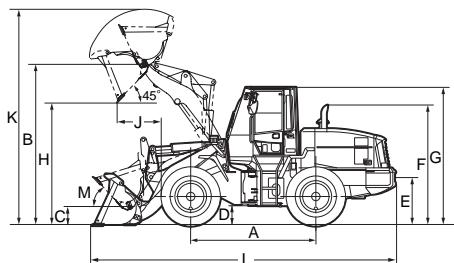
Fork tine length	mm (ft.in)	1200 (3'11")
A Max. reach at ground level	mm (ft.in)	985 (3'3")
B Max. reach	mm (ft.in)	1620 (5'4")
C Max. reach at max. stacking height	mm (ft.in)	720 (2'4")
a Max. height fork-carrier	mm (ft.in)	4705 (15'5")
b Hinge pin height	mm (ft.in)	3885 (12'9")
c Max. stacking height	mm (ft.in)	3765 (12'4")
d Height of forks at maximum reach	mm (ft.in)	1780 (5'10")
Max. tipping load, straight	kg (lb)	6310 (13,910)
Max. tipping load, articulated	kg (lb)	5520 (12,170)
Max. payload as per EN 474-3, 80%	kg (lb)	4415 (9,730)
Max. payload as per EN 474-3, 60%	kg (lb)	3325 (7,330)
Weight in working order with fork tines	kg (lb)	11470 (25,290)



Performance Data Dimensions

WHEEL LOADERS

WA200-5 (Japan and Thailand source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2840 (9'4")	2840 (9'4")
B Hinge pin height, max. height	3635 (11'11")	3705 (12'2")
C Hinge pin height, carry position	410 (1'4")	380 (1'3")
D Ground clearance	425 (1'5")	495 (1'8")
E Hitch height	870 (2'10")	940 (3'1")
F Overall height, top of the stack	2715 (8'11")	2785 (9'2")
G Overall height, ROPS cab	3110 (10'2")	3180 (10'5")
M Tilt back angle	48°	

Measured with 17.5-25-12PR (L2) tires

Bucket type			Stockpile Bucket with Bolt-on Cutting Edge	Excavating Bucket with Bolt-on Cutting Edge	Light Material Bucket with Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.0 (2.6)	1.7 (2.2)	2.4 (3.1)
	Struck	m ³ (yd ³)	1.7 (2.2)	1.4 (1.8)	2.0 (2.6)
Bucket width		mm (ft.in)	2550 (8'4")	2550 (8'4")	2550 (8'4")
Bucket weight		kg (lb)	785 (1,731)	740 (1,631)	875 (1,929)
Static tipping load	Straight	kg (lb)	8400 (18,519)	8460 (18,652)	8250 (18,188)
	Full turn (40°)	kg (lb)	7300 (16,094)	7360 (16,226)	7175 (15,818)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2760 (9'1")	2815 (9'3")	2655 (8'9")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1480 (4'10")	1455 (4'9")	1530 (5'0")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1000 (3'3")	945 (3'1")	1105 (3'8")
Reach with arm horizontal and bucket level**		mm (ft.in)	2215 (7'3")	2135 (7'0")	2365 (7'9")
K. Operating height (fully raised)		mm (ft.in)	4885 (16'0")	4765 (15'8")	4995 (16'5")
L. Overall length, bucket on ground		mm (ft.in)	6895 (22'7")	6820 (22'5")	7050 (23'2")
Turning radius*		mm (ft.in)	5650 (18'6")	5620 (18'5")	5715 (18'9")
Digging depth	0°	mm (ft.in)	135 (5.3")	135 (5.3")	135 (5.3")
	10°	mm (ft.in)	320 (1'1")	305 (1'0")	345 (1'2")
Breakout force		kgf (lb)	9500 (20,944)	10450 (23,038)	8300 (18,298)
Operating weight		kg (lb)	9470 (20,878)	9425 (20,779)	9555 (21,065)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

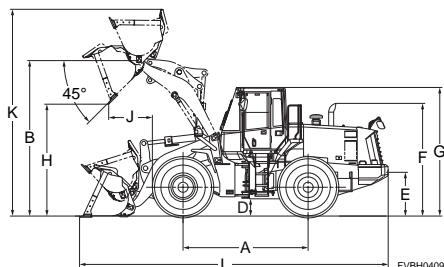
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
17.5-25-12PR (L3)	+105	+231	+80	+176	+70	+154	2375	7'10"	425	1'5"	0	0"	0	0"
20.5-25-12PR (L2)	+450	+992	+240	+529	+220	+485	2470	8'1"	495	1'8"	+70	+2.8"	-75	-3.0"
20.5-25-12PR (L3)	+665	+1,466	+355	+783	+320	+705	2470	8'1"	495	1'8"	+70	+2.8"	-75	-3.0"
Install ROPS canopy (instead of cab)	-250	-551	-250	-551	-220	-485								
Additional counterweight	+300	+661	+590	+1,301	+510	+1,124								
Air conditioner	+70	+154	+60	+132	+50	+110								

Performance Data Dimensions

WHEEL LOADERS

WA250-6 (Japan source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2900 (9'6")	2900 (9'6")
B Hinge pin height, max. height	3725 (12'3")	3795 (12'5")
C Hinge pin height, carry position	375 (1'3")	450 (1'6")
D Ground clearance	395 (1'4")	465 (1'6")
E Hitch height	880 (2'11")	950 (3'1")
F Overall height, top of the stack	2855 (9'4")	2925 (9'7")
G Overall height, ROPS cab	3130 (10'3")	3200 (10'6")
M Tilt back angle	48°	48°

Unit: mm (ft.in)

Measured with 20.5-25-12PR (L3) tires

Bucket type			Stockpile Bucket		Excavating Bucket		Light Material Bucket
			B.O.C.	Teeth	B.O.C.	Teeth	B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.3 (3.0)	2.1 (2.7)	1.9 (2.5)	1.8 (2.4)	2.7 (3.5)
	Struck	m ³ (yd ³)	2.0 (2.7)	1.8 (2.4)	1.6 (2.1)	1.5 (2.1)	2.3 (3.0)
Bucket width		mm (ft.in)	2685 (8'10")	2705 (8'11")	2685 (8'10")	2705 (8'11")	2685 (8'10")
Bucket weight		kg (lb)	960 (2,116)	865 (1,907)	905 (1,995)	810 (1,786)	1050 (2,315)
Static tipping load	Straight	kg (lb)	11435 (25,210)	11530 (25,420)	11555 (25,470)	11650 (25,680)	11285 (24,880)
	Full turn (38°)	kg (lb)	10060 (22,180)	10140 (22,350)	10165 (22,410)	10245 (22,590)	9925 (21,880)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2850 (9'4")	2735 (9'0")	2925 (9'7")	2810 (9'3")	2755 (9'0")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1490 (4'11")	1525 (5'0")	1450 (4'9")	1490 (4'11")	1540 (5'1")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	985 (3'3")	1070 (3'6")	910 (3'0")	995 (3'3")	1080 (3'7")
Reach with arm horizontal and bucket level**		mm (ft.in)	2230 (7'4")	2370 (7'9")	2125 (7'0")	2265 (7'5")	2360 (7'9")
K. Operating height (fully raised)		mm (ft.in)	5065 (16'7")	5065 (16'7")	4945 (16'3")	4965 (16'3")	5200 (17'1")
L. Overall length, bucket on ground		mm (ft.in)	6995 (22'11")	7135 (23'5")	6890 (22'7")	7030 (23'1")	7125 (23'5")
Turning radius*		mm (ft.in)	6010 (19'9")	6060 (19'11")	5985 (19'8")	6030 (19'9")	6050 (19'10")
Digging depth	0°	mm (ft.in)	75 (3.0")	90 (3.5")	75 (3.0")	90 (3.5")	75 (3.0")
	10°	mm (ft.in)	265 (10.4")	305 (1'0")	245 (9.6")	285 (11.2")	285 (11.2")
Breakout force		kN	121	106	136	118	108
		kgf (lb)	12340 (27,200)	10830 (23,880)	13850 (30,530)	12010 (26,480)	11000 (24,250)
Operating weight		kg (lb)	11395 (25,120)	11300 (24,910)	11340 (25,000)	11245 (24,790)	11485 (25,320)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

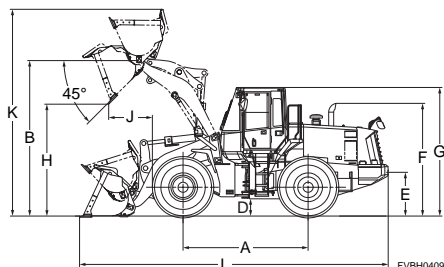
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire	Ground Clearance	Change in Vertical Dimensions		Change in Reach			
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in		
17.5-25-16PR (L3)	-375	-827	-280	617	-245	-540	2375	7'10"	395	1'4"	-70	-2.8"	+70	+2.8"
20.5-25-12PR (L2)	-430	-948	-325	-717	-280	-617	2375	7'10"	395	1'4"	-70	-2.8"	+70	+2.8"
20.5-25-12PR (L3)	-150	-330	-110	-253	-90	-200	2470	8'1"	465	1'6"	0	0"	0	0"
Remove additional counterweight	-280	-617	-515	-1,135	-440	-970								

Performance Data Dimensions

WHEEL LOADERS

WA250-6 (Japan source)



		Unit: mm (ft.in)
	Tread	1930 (6'4")
	Width over tires	2470 (8'1")
A	Wheelbase	2900 (9'6")
B	Hinge pin height, max. height	4390 (14'5")
C	Hinge pin height, carry position	615 (2'0")
D	Ground clearance	465 (1'6")
E	Hitch height	950 (3'1")
F	Overall height, top of the stack	2925 (9'7")
G	Overall height, ROPS cab	3200 (10'6")
M	Tilt back angle	50°

Measured with 20.5-25-12PR (L-3) tires, High Lift Boom

Bucket type			High Lift Boom	
			Excavating Bucket	
			B.O.C.	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	1.9 (2.5)	1.8 (2.4)
	Struck	m ³ (yd ³)	1.6 (2.1)	1.5 (2.0)
Bucket width		mm (ft.in)	2685 (8'10")	2705 (8'11")
Bucket weight		kg (lb)	905 (1,995)	810 (1,786)
Static tipping load	Straight	kg (lb)	8065 (17,780)	8180 (18,030)
	Full turn (40°)	kg (lb)	7015 (15,470)	7115 (15,690)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3520 (11'7")	3410 (11'2")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1955 (6'5")	2000 (6'7")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	940 (3'1")	1025 (3'4")
Reach with arm horizontal and bucket level**		mm (ft.in)	2595 (8'6")	2735 (9'0")
K. Operating height (fully raised)		mm (ft.in)	5540 (18'2")	5560 (18'3")
L. Overall length, bucket on ground		mm (ft.in)	7495 (24'7")	7635 (25'1")
Turning radius*		mm (ft.in)	6240 (20'6")	6290 (20'8")
Digging depth	0°	mm (ft.in)	80 (3.1")	95 (3.7")
	10°	mm (ft.in)	250 (9.8")	290 (11.4")
Breakout force		kN	93.6	108
		kgf (lb)	9545 (21,040)	11025 (24,310)
Operating weight		kg	10250	11785
		(lb)	(22,600)	(25,980)

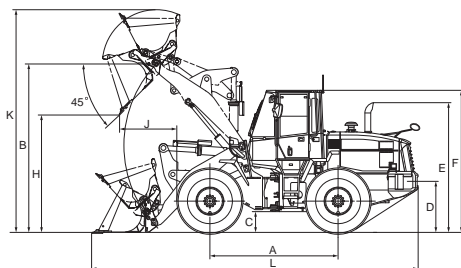
* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA250PZ-6 (Japan source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2900 (9'6")	2900 (9'6")
B Hinge pin height, max. height	3895 (12'9")	3965 (13'0")
C Ground clearance	395 (1'4")	465 (1'6")
D Hitch height	880 (2'11")	950 (3'1")
E Overall height, top of the stack	2855 (9'4")	2925 (9'7")
F Overall height, ROPS cab	3130 (10'2")	3200 (10'6")

Unit: mm (ft.in)

Bucket

Measured with 20.5-25-16PR (L2) tires

Bucket type			Stockpile Bucket with Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.2 (2.9)
	Struck	m ³ (yd ³)	2.1 (2.7)
Bucket width		mm (ft.in)	2550 (8'4")
Bucket weight		kg (lb)	960 (2,120)
Static tipping load	Straight	kg (lb)	8940 (19,710)
	Full turn (40°)	kg (lb)	7865 (17,340)
H. Dumping clearance, max. height and 45° dump angle*		mm (ft.in)	2820 (9'3")
Reach at 2130 mm (7') and 45° dump angle*		mm (ft.in)	1650 (5'5")
J. Reach at max. height and 45° dump angle*		mm (ft.in)	1090 (3'7")
Reach with boom/bucket level*		mm (ft.in)	3330 (10'11")
K. Operating height (fully raised)		mm (ft.in)	5365 (17'7")
L. Overall length, bucket on ground		mm (ft.in)	7410 (24'4")
Digging depth	0°	mm (ft.in)	142 (5.6")
	10°	mm (ft.in)	375 (1'3")
Breakout force		kN/kgf (lb)	105/10730 (23,660)
Operating weight		kg (lb)	12690 (27,980)

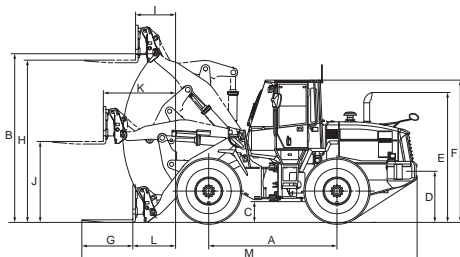
* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
17.5-25-16PR (L2)	-300	-661	-200	-441	-170	-375	2375	7'10"	395	1'4"	-70	-2.8"	+70	+2.8"
17.5-25-16PR (L3)	-260	-573	-170	-375	-150	-331	2375	7'10"	395	1'4"	-70	-2.8"	+70	+2.8"
20.5-25-12PR (L3)	+165	+364	+110	+243	+95	+209	2470	8'1"	465	1'6"	0	0"	0	0"
Install ROPS canopy (instead of cab)	-165	-364	-145	-320	-125	-276								

WA250PZ-6 (Japan source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2900 (9'6")	2900 (9'6")
B Hinge pin height, max. height	3895 (12'9")	3965 (13'0")
C Ground clearance	395 (1'4")	465 (1'6")
D Hitch height	880 (2'11")	950 (3'1")
E Overall height, top of the stack	2855 (9'4")	2925 (9'7")
F Overall height, ROPS cab	3130 (10'3")	3200 (10'6")

Fork

Measured with 20.5-25-12PR (L2) tires

Static tipping load – boom level Fork level, 610 mm (24") load center	Straight	kg (lb)	6875 (15,160)
	Full turn (40°)	kg (lb)	5980 (13,180)
Operating weight		kg (lb)	12275 (27,060)
G. Fork tine length		mm (ft.in)	1220 (4'0")
H. Ground to top of tine at maximum lift		mm (ft.in)	3820 (12'6")
I. Reach at maximum lift		mm (ft.in)	790 (2'7")
J. Ground to top of Tine – boom and tine level		mm (ft.in)	1820 (6'0")
K. Reach – boom and tine level		mm (ft.in)	1690 (5'7")
L. Reach – tine level on ground		mm (ft.in)	1025 (3'4")
M. Overall length – tine level on ground		mm (ft.in)	7680 (25'2")
Operating load		kg (lb)	2990 (6,590)

Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

Weight Changes

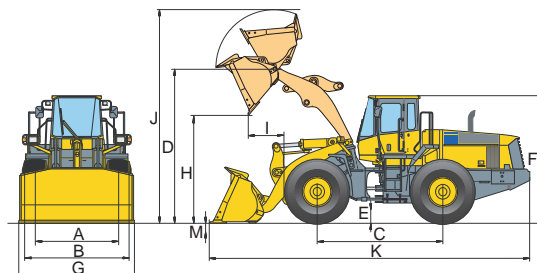
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
17.5-25-12PR (L2)	-300	-661	-140	-309	-125	-276	2375	7'10"	395	1'4"	-70	-2.8"	+70	+2.8"
17.5-25-12PR (L3)	-260	-573	-125	-276	-110	-243	2375	7'10"	395	1'4"	-70	-2.8"	+70	+2.8"
20.5-25-12PR (L3)	+165	+364	+80	+176	+70	+154	2470	8'1"	465	1'6"	0	0"	0	0"
Install ROPS canopy (instead of cab)	-165	-364	-105	-231	-90	-198								

Performance Data Dimensions

WHEEL LOADERS

WA250PZ-6 (Germany source)

Unit: mm (ft.in)



A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2900 (9'6")
D Hinge pin height, max. height	3965 (13'0")
E Ground clearance	465 (1'6")
F Overall height, ROPS cab	3200 (10'6")
Turning radius at corner of tire	5240 (17'2")

Bucket (with quick coupler)

Measured with 20.5 R25 (L3) tires

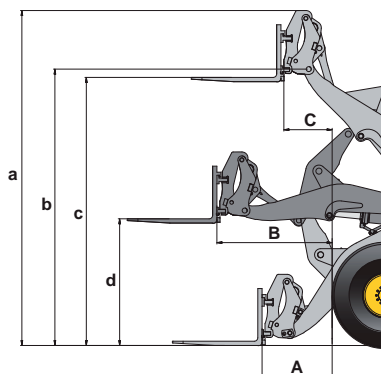
Bucket type			Earthmoving		Stockpile		Universal	
			with teeth	with B.O.C.	with teeth	with B.O.C.	with teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.2 (2.9)	2.3 (3.0)	2.3 (3.0)	2.5 (3.3)	2.1 (2.7)	2.2 (2.9)
	Struck	m ³ (yd ³)	—	—	—	—	—	—
Bucket width		mm (ft.in)	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	1080 (2,381)	1085 (2,392)	1105 (2,436)	1110 (2,447)	955 (2,105)	960 (2,116)
Static tipping load	Straight	kg (lb)	8985 (19,810)	8955 (19,740)	8955 (19,740)	8905 (19,630)	9125 (20,120)	9105 (20,070)
	40° full turn	kg (lb)	7800 (17,200)	7765 (17,120)	7765 (17,120)	7720 (17,020)	7935 (17,490)	7915 (17,450)
H. Dumping clearance, max. height and 45° dump angle*		mm (ft.in)	2710 (8'11")	2815 (9'3")	2685 (8'10")	2790 (9'2")	2715 (8'11")	2815 (9'3")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	—	—	—	—	—	—
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1230 (4'0")	1095 (3'7")	1255 (4'1")	1120 (3'8")	1230 (4'0")	1090 (3'7")
Reach with arm horizontal and bucket level		mm (ft.in)	—	—	—	—	—	—
J. Operating height (fully raised)		mm (ft.in)	5450 (17'11")	5450 (17'11")	5450 (17'11")	5450 (17'11")	5390 (17'8")	5390 (17'8")
K. Overall length		mm (ft.in)	7585 (24'11")	7440 (24'5")	7620 (25'0")	7620 (25'0")	7580 (24'10")	7435 (24'5")
Turning radius		mm (ft.in)	5905 (19'4")	5855 (19'3")	5915 (19'5")	5865 (19'3")	5905 (19'4")	5855 (19'3")
M. Digging depth	0°	mm (ft.in)	125 (4.9")	150 (5.9")	125 (4.9")	150 (5.9")	125 (4.9")	150 (5.9")
	10°	mm (ft.in)	—	—	—	—	—	—
Breakout force	kN		111.9	107.2	108.9	104	112.4	107.4
	kgf (lb)		11410 (25,160)	10930 (24,110)	11110 (24,490)	10610 (23,390)	11460 (25,280)	10950 (24,150)
Operating weight		kg (lb)	13025 (28,720)	13030 (28,730)	13050 (28,770)	13055 (28,780)	12900 (28,440)	12905 (28,450)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

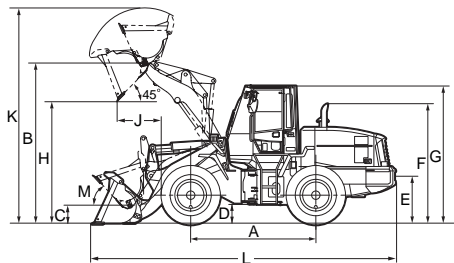
Fork tine length	mm (ft.in)	1200 (3'11")
A Max. reach at ground level	mm (ft.in)	965 (3'2")
B Max. reach	mm (ft.in)	1630 (5'4")
C Max. reach at max. stacking height	mm (ft.in)	725 (2'5")
a Max. height fork-carrier	mm (ft.in)	4765 (15'8")
b Hinge pin height	mm (ft.in)	3965 (13'0")
c Max. stacking height	mm (ft.in)	3820 (12'6")
d Height of forks at maximum reach	mm (ft.in)	1820 (6'0")
Max. tipping load, straight	kg (lb)	7005 (15,440)
Max. tipping load, articulated	kg (lb)	6120 (13,490)
Max. payload as per EN 474-3, 80%	kg (lb)	4895 (10,790)
Max. payload as per EN 474-3, 60%	kg (lb)	3670 (8,090)
Weight in working order with fork tines	kg (lb)	12510 (27,580)



Performance Data Dimensions

WHEEL LOADERS

WA250-5 (Japan source)



	17.5-25 tires	20.5-25 tires
Tread	1930 (6'4")	1930 (6'4")
Width over tires	2375 (7'10")	2470 (8'1")
A Wheelbase	2900 (9'6")	2900 (9'6")
B Hinge pin height, max. height	3725 (12'3")	3795 (12'5")
C Hinge pin height, carry position	375 (1'3")	450 (1'6")
D Ground clearance	395 (1'4")	465 (1'6")
E Hitch height	880 (2'11")	950 (3'1")
F Overall height, top of the stack	2665 (8'9")	2735 (9'0")
G Overall height, ROPS cab	3130 (10'3")	3200 (10'6")
M Tilt back angle	50°	

Measured with 17.5-25-16PR (L2) tires

Bucket type			Stockpile Bucket With Bolt-on Cutting Edge	Excavating Bucket With Bolt-on Cutting Edge	Light Material Bucket With Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.3 (3.0)	1.9 (2.5)	2.7 (3.5)
	Struck	m ³ (yd ³)	2.0 (2.6)	1.6 (2.1)	2.3 (3.0)
Bucket width		mm (ft.in)	2685 (8'10")	2685 (8'10")	2685 (8'10")
Bucket weight		kg (lb)	960 (2,116)	905 (1,995)	1050 (2,315)
Static tipping load	Straight	kg (lb)	8985 (19,809)	9105 (20,073)	8825 (19,456)
	Full turn (40°)	kg (lb)	7900 (17,416)	8010 (17,659)	7910 (17,439)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2780 (9'1")	2855 (9'4")	2685 (8'10")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1535 (5'0")	1495 (4'11")	1580 (5'2")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1055 (3'6")	980 (3'3")	1150 (3'9")
Reach with arm horizontal and bucket level**		mm (ft.in)	2305 (7'7")	2200 (7'3")	2430 (8'0")
K. Operating height (fully raised)		mm (ft.in)	4995 (16'5")	4875 (16'0")	5130 (16'10")
L. Overall length, bucket on ground		mm (ft.in)	7055 (23'2")	6950 (22'10")	7185 (23'7")
Turning radius*		mm (ft.in)	5820 (19'0")	5780 (19'0")	5875 (19'3")
Digging depth	0°	mm (ft.in)	145 (5.7")	145 (5.7")	145 (5.7")
	10°	mm (ft.in)	335 (1'1")	315 (1'0")	355 (1'2")
Breakout force		kgf (lb)	12340 (27,205)	13850 (30,534)	11000 (24,251)
Operating weight		kg (lb)	10620 (23,413)	10565 (23,292)	10710 (23,611)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

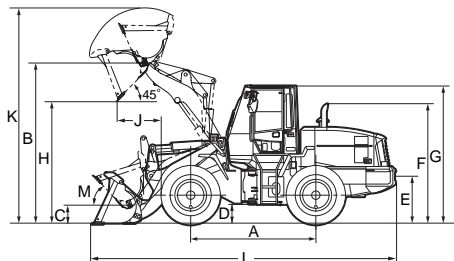
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire	Ground Clearance	Change in Vertical Dimensions		Change in Reach			
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in		
17.5-25-16PR (L3)	+55	+121	+45	+99	+35	+77	2375	7'10"	395	1'4"	0	0"	0	0"
20.5-25-12PR (L2)	+280	+617	+215	+474	+190	+419	2470	8'1"	465	1'6"	+70	+2.8"	-70	-2.8"
20.5-25-12PR (L3)	+430	+948	+325	+717	+280	+617	2470	8'1"	465	1'6"	+70	+2.8"	-70	-2.8"
Install ROPS canopy (instead of cab)	-250	-551	-250	-551	-220	-485								
Additional counterweight	+300	+661	+580	+1,279	+510	+1,124								
Air conditioner	+70	+154	+50	+110	+40	+88								

Performance Data Dimensions

WHEEL LOADERS

WA270-8 (Japan source)

Unit: mm (ft.in)



Tread	1930 (6'4")
Width over tires	2505 (8'3")
A Wheelbase	2900 (9'6")
B Hinge pin height, max. height	3965 (13'0")
C Hinge pin height, carry position	515 (1'8")
D Ground clearance	465 (1'6")
E Hitch height	950 (3'1")
F Overall height, top of the stack	3050 (10'0")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	49°

Bucket

Measured with 17.5-25-16PR (L2) tires

Bucket type			Standard Boom				High Lift Boom
			Stockpile Bucket	Stockpile Bucket (Quick Coupler)	Excavating Bucket	Light Material Bucket	Stockpile Bucket
			with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.3 (3.0)	2.3 (3.0)	1.9 (2.5)	2.7 (3.5)	1.9 (2.5)
	Struck	m ³ (yd ³)	2.1 (2.7)	2.1 (2.7)	1.6 (2.1)	2.4 (3.1)	1.6 (2.1)
Bucket width		mm (ft.in)	2550 (8'4")	2685 (8'10")	2550 (8'4")	2550 (8'4")	2550 (8'4")
Bucket weight		kg (lb)	970 (2,138)	1075 (2,370)	885 (1,951)	1030 (2,271)	771 (1,700)
Static tipping load	Straight	kg (lb)	10330 (22,770)	9765 (21,530)	10420 (22,970)	10265 (22,630)	9910 (21,850)
	Full turn (40°)	kg (lb)	8930 (19,690)	8525 (18,790)	9020 (19,890)	8865 (19,540)	8510 (18,760)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2975 (9'9")	2865 (9'5")	3055 (10'0")	2880 (9'5")	3480 (11'5")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1590 (5'3")	1635 (5'4")	1545 (5'1")	1635 (5'4")	1975 (6'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	945 (3'1")	1090 (3'7")	865 (2'10")	1040 (3'4")	965 (3'2")
Reach with arm horizontal and bucket level**		mm (ft.in)	2370 (7'9")	2450 (8'0")	2255 (7'5")	2505 (8'3")	2655 (8'9")
K. Operating height (fully raised)		mm (ft.in)	5285 (17'4")	5360 (17'7")	5150 (16'11")	5435 (17'10")	5700 (18'7")
L. Overall length, bucket on ground		mm (ft.in)	7360 (24'2")	7465 (24'6")	7310 (24'0")	7475 (24'6")	7750 (25'5")
Turning radius*		mm (ft.in)	6025 (19'9")	6110 (20'1")	5995 (19'8")	6065 (19'11")	6185 (20'4")
Digging depth	0°	mm (ft.in)	130 (5.1")	110 (4.3")	130 (5.1")	130 (5.1")	235 (9.3")
	10°	mm (ft.in)	325 (12.8")	320 (12.6")	310 (12.2")	350 (1'2")	430 (1'5")
Breakout force		kN	131	111	147	116	154
		kgf (lb)	13375 (29,490)	11370 (25,070)	14965 (32,990)	11805 (26,030)	15700 (34,620)
Operating weight		kg (lb)	12880 (28,400)	13190 (29,080)	12795 (28,210)	12940 (28,530)	12985 (28,630)

* Bucket at carry, outside corner of bucket

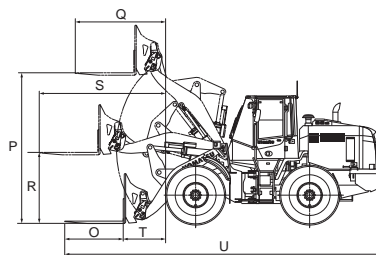
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
	kg	lb	Straight		Full Turn		mm	ft.in	mm	ft.in	mm	ft.in
			kg	lb	kg	lb						
20.5-25-12PR (L2)	-165	-364	-115	-254	-100	-220	2470	8'1"	465	1'6"	0	0"
Remove additional counterweight	-280	-617	-515	-1,135	-440	-970	0	0	0	0	0	0

Fork (with quick coupler)

O. Fork tine length	mm (ft.in)	1220 (4'0")	
P. Ground to top of tine at maximum lift	mm (ft.in)	3825 (12'7")	
Q. Reach at maximum height	mm (ft.in)	810 (2'8")	
R. Ground to top of tine - boom and tine level	mm (ft.in)	1840 (6'0")	
S. Reach - boom and tine level	mm (ft.in)	1715 (5'8")	
T. Reach - tine level on ground	mm (ft.in)	1055 (3'6")	
U. Overall length - tine level on ground	mm (ft.in)	7915 (26'0")	
Operating load	mm (ft.in)	3200 (7,050)	
Max. static tipping load	Straight	kg (lb)	7320 (16,140)
	Full turn	kg (lb)	6405 (14,120)
Operating weight	kg (lb)	12905 (28,450)	

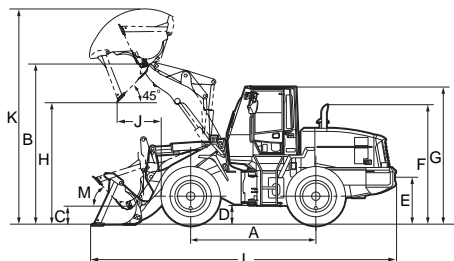


Performance Data Dimensions

WHEEL LOADERS

WA270-8 (USA source)

Unit: mm (ft.in)



Tread	1930 (6'4")
Width over tires	2505 (8'3")
A Wheelbase	2900 (9'6")
B Hinge pin height, Standard boom	3965 (13'0")
max. height High lift boom	4390 (14'5")
C Hinge pin height, Standard boom	515 (1'8")
carry position High lift boom	630 (2'1")
D Ground clearance	465 (1'6")
E Hitch height	950 (3'1")
F Overall height, top of the stack	3050 (10'0")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	49°

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Standard Boom				High Lift Boom
			Stockpile Bucket	Excavating Bucket	Light Material Bucket	Stockpile Bucket (Quick Coupler)	Excavating Bucket
			with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.3 (3.0)	1.9 (2.5)	2.7 (3.5)	2.3 (3.0)	1.9 (2.5)
	Struck	m ³ (yd ³)	—	—	—	—	—
Bucket width		mm (ft.in)	2550 (8'4")	2550 (8'4")	2550 (8'4")	2685 (8'10")	2550 (8'4")
Bucket weight		kg (lb)	970 (2,138)	885 (1,951)	1030 (2,271)	1075 (2,370)	771 (1,700)
Static tipping load	Straight	kg (lb)	10330 (22,770)	10420 (22,970)	10235 (22,560)	9765 (21,530)	9910 (21,850)
	Full turn (40°)	kg (lb)	8930 (19,690)	9020 (19,890)	8865 (19,540)	8525 (18,790)	8510 (18,760)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2975 (9'9")	3055 (10'0")	2880 (9'5")	2865 (9'5")	3480 (11'5")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1590 (5'3")	1545 (5'1")	1635 (5'4")	1635 (5'4")	1975 (6'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	945 (3'1")	865 (2'10")	1040 (3'4")	1090 (3'7")	966 (3'2")
Reach with arm horizontal and bucket level**		mm (ft.in)	2370 (7'9")	2255 (7'5")	2505 (8'3")	2450 (8'0")	2655 (8'9")
K. Operating height (fully raised)		mm (ft.in)	5285 (17'4")	5150 (16'11")	5435 (17'10")	5360 (17'7")	5700 (18'7")
L. Overall length, bucket on ground		mm (ft.in)	7360 (24'2")	7310 (24'0")	7475 (24'6")	7465 (24'6")	7750 (25'5")
Turning radius*		mm (ft.in)	6025 (19'9")	5995 (19'8")	6065 (19'11")	6110 (20'1")	6185 (20'4")
Digging depth	0°	mm (ft.in)	130 (5.1")	130 (5.1")	130 (5.1")	110 (4.3")	235 (9.3")
	10°	mm (ft.in)	325 (1'1")	310 (12")	350 (1'2")	320 (12.6")	430 (1'5")
Breakout force		kN kgf (lb)	131 13375 (29,490)	147 14965 (32,990)	116 11805 (26,030)	111 11370 (25,070)	154 15700 (34,620)
Operating weight		kg (lb)	12880 (28,400)	12795 (28,210)	12940 (28,530)	13190 (29,080)	12910 (28,460)

* Bucket at carry, outside corner of bucket

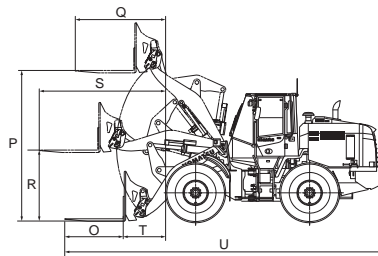
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-165	-364	-115	-254	-100	-220	2470	8'1"	465	1'6"	0	0"
Remove additional counterweight	-280	-617	-515	-1,135	-440	-970	0	0	0	0	0	0

Fork (with fork quick coupler)

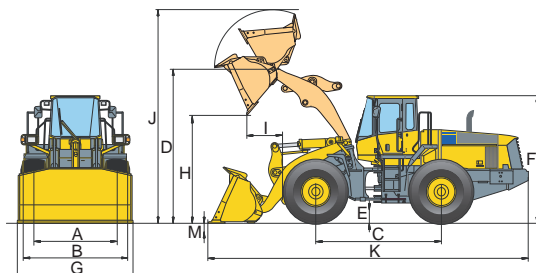
O. Fork tine length	mm (ft.in)	1220 (4'0")	
P. Ground to top of tine at maximum lift	mm (ft.in)	3825 (12'7")	
Q. Reach at maximum height	mm (ft.in)	810 (2'8")	
R. Ground to top of tine - boom and tine level	mm (ft.in)	1840 (6'0")	
S. Reach - boom and tine level	mm (ft.in)	1715 (5'8")	
T. Reach - tine level on ground	mm (ft.in)	1055 (3'6")	
U. Overall length - tine level on ground	mm (ft.in)	7860 (25'9")	
Max. static tipping load	Straight	kg (lb)	7320 (16,140)
	Full turn	kg (lb)	6405 (14,120)
Operating weight	kg (lb)	12905 (28,450)	



Performance Data Dimensions

WHEEL LOADERS

WA270-8 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2900 (9'4")
D Hinge pin height, max. height	3965 (12'9")
E Ground clearance	465 (1'7")
F Overall height, ROPS cab	3200 (10'5")
Turning radius at corner of tire	5240 (17'2")

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Bucket with flat bottom			
			with Teeth		with B.O.C.	
Bucket mount			Direct	Direct	Quick coupler	Quick coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.2 (2.9)	2.3 (3.0)	2.2 (2.9)	2.3 (3.0)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width			2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")
Bucket weight			1200 (2,645)	1209 (2,665)	1164 (2,566)	1173 (2,586)
Static tipping load	Straight	kg (lb)	10180 (22,440)	10107 (22,280)	9385 (20,690)	9316 (20,540)
	Full turn (40°)	kg (lb)	8852 (19,520)	8788 (19,370)	8115 (17,890)	8054 (17,760)
H. Dumping clearance, max. height and 45° dump angle**			2773 (9'1")	2895 (9'6")	2629 (8'8")	2750 (9'0")
Reach at 2130 mm (7') and 45° dump angle**			–	–	–	–
I. Reach at max. height and 45° dump angle**			1133 (3'9")	1000 (3'3")	1292 (4'3")	1158 (3'10")
Reach with arm horizontal and bucket level**			–	–	–	–
J. Operating height (fully raised)			5185 (17'0")	5185 (17'0")	5360 (17'7")	5360 (17'7")
K. Overall length, bucket on ground			7658 (25'2")	7497 (24'7")	7865 (25'10")	7704 (25'3")
Turning radius*			5878 (19'3")	5825 (19'1")	5944 (19'6")	5890 (19'4")
M. Digging depth	0°	mm (ft.in)	125 (4.9")	150 (5.9")	115 (4.5")	140 (5.5")
	10°	mm (ft.in)	–	–	–	–
Breakout force			127 kN (kgf (lb))	120 12240 (26,980)	106 10810 (23,830)	101.2 10320 (22,750)
Operating weight			13166 (29,030)	13175 (29,050)	13517 (29,800)	13526 (29,820)

* Bucket at carry, outside corner of bucket

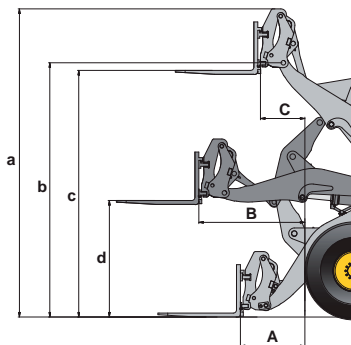
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
17.5 R25 (L2)	-200	-441	-330	-728	-230	-507	-75	-3"	+70	+2.8"	-75	-3"
20.5 R25 (L5)	+450	+992	+680	+1499	+500	+1102	0	0"	-20	-0.8"	+25	+1"
Without additional counterweight	-280	-617	-515	-1135	-440	-970	-	-	-	-	-	-

Fork

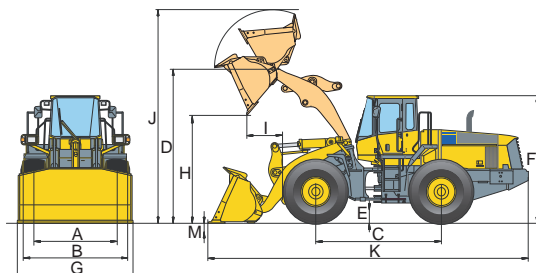
Fork tine length		mm (ft.in)	1200 (3'11")	1200 (3'11")
A. Max. reach at ground level		mm (ft.in)	1025 (3'4")	1525 (5'0")
B. Max. reach		mm (ft.in)	1690 (5'7")	2085 (6'10")
C. Max. reach at max. stacking height		mm (ft.in)	780 (2'7")	890 (2'11")
a. Max. height fork-carrier		mm (ft.in)	4760 (15'7")	5185 (17'0")
b. Hinge pin height		mm (ft.in)	3965 (13'0")	4390 (14'5")
c. Max. stacking height		mm (ft.in)	3820 (12'6")	4250 (13'11")
d. Height of forks at max. reach		mm (ft.in)	1820 (6'0")	1820 (6'0")
Max. static tipping load	Straight	kg (lb)	7420 (16,360)	6290 (13,870)
	Full turn	kg (lb)	6475 (14,270)	5450 (12,020)
Max. payload as per EN 474-3, 80%		kg (lb)	5180 (11,420)	4360 (9,610)
Max. payload as per EN 474-3, 60%		kg (lb)	3900 (8,600)	3270 (7,210)
Weight in working order with fork tines		kg (lb)	12915 (28,470)	13025 (28,715)



Performance Data Dimensions

WHEEL LOADERS

WA270-8 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2900 (9'4")
D Hinge pin height, max. height	3965 (12'9")
E Ground clearance	465 (1'7")
F Overall height, ROPS cab	3200 (10'5")
Turning radius at corner of tire	5240 (17'2")

Bucket (with quick coupler)

Measured with 20.5 R25 tires

Bucket type			Bucket with flat bottom			
			with Teeth		with B.O.C.	
Bucket mount			Direct	Direct	Quick coupler	Quick coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.2 (2.9)	2.3 (3.0)	2.2 (2.9)	2.3 (3.0)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	1123 (2,476)	1132 (2,496)	1068 (2,355)	1077 (2,374)
Static tipping load	Straight	kg (lb)	10266 (22,630)	10192 (22,470)	9492 (20,930)	9423 (20,770)
	Full turn (40°)	kg (lb)	8938 (19,700)	8872 (19,560)	8222 (18,130)	8161 (17,990)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2773 (9'1")	2895 (9'6")	2629 (8'8")	2750 (9'0")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1133 (3'9")	1000 (3'3")	1292 (4'3")	1158 (3'10")
	Reach with arm horizontal and bucket level**	mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5185 (17'0")	5185 (17'0")	5360 (17'7")	5360 (17'7")
K. Overall length, bucket on ground		mm (ft.in)	7658 (25'2")	7497 (24'7")	7865 (25'10")	7704 (25'3")
Turning radius*		mm (ft.in)	5878 (19'3")	5825 (19'1")	5944 (19'6")	5890 (19'4")
M. Digging depth	0°	mm (ft.in)	125 (4.9")	150 (5.9")	115 (4.5")	140 (5.5")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	127 12950 (28,550)	120 12240 (26,980)	106 10810 (23,830)	101 10300 (22,710)
Operating weight		kg (lb)	13089 (28,860)	13098 (28,880)	13420 (29,590)	13429 (29,610)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

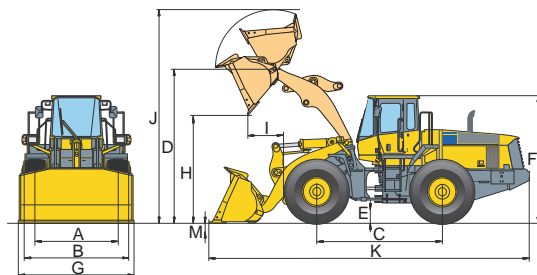
Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach at 45°		Change in Dump Height at 45°	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5 R25 (L2)	-330	-728	-230	-507	-200	-435	-75	-3"	+70	+2.8"	-75	-3"
20.5 R25 (L5)	+680	+1499	+450	+992	+400	+882	0	0"	-20	-0.8"	+25	+1"

Performance Data Dimensions

WHEEL LOADERS

WA270-8 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2900 (9'4")
D Hinge pin height, max. height	4392 (14'5")
E Ground clearance	465 (1'7")
F Overall height, ROPS cab	3200 (10'5")
Turning radius at corner of tire	5240 (17'2")

Bucket

Measured with 20.5 R25 tires, high-lift boom

Bucket type			Bucket with flat bottom (with high lift boom)			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Quick coupler	Quick coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.2 (2.9)	2.3 (3.0)	2.2 (2.9)	2.3 (3.0)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	1200 (2,645)	1209 (2,665)	1164 (2,566)	1173 (2,586)
Static tipping load	Straight	kg (lb)	8160 (17,990)	8087 (17,830)	7365 (16,240)	7296 (16,080)
	Full turn (40°)	kg (lb)	7042 (15,520)	6978 (15,380)	6305 (13,900)	6244 (13,770)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3198 (10'6")	3320 (10'11")	3054 (10'0")	3175 (10'5")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1323 (4'4")	1190 (3'11")	1482 (4'10")	1348 (4'5")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5615 (18'5")	5615 (18'5")	5790 (19'0")	5790 (19'0")
K. Overall length, bucket on ground		mm (ft.in)	8153 (26'9")	7992 (26'3")	8360 (27'5")	8199 (26'11")
Turning radius*		mm (ft.in)	6068 (19'11")	6015 (19'9")	6134 (20'2")	6080 (19'11")
M. Digging depth	0°	mm (ft.in)	250 (9.8")	275 (10.8")	240 (9.4")	265 (10.4")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	132 13460 (29,670)	125 12750 (28,110)	111 11320 (24,960)	106.2 10830 (23,880)
Operating weight		kg (lb)	13276 (29,270)	13285 (29,290)	13627 (30,040)	13636 (30,060)

Bucket type			Bucket with raised bottom (with high lift boom)			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Quick coupler	Quick coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.2 (2.9)	2.3 (3.0)	2.2 (2.9)	2.3 (3.0)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	1123 (2,476)	1132 (2,496)	1068 (2,355)	1077 (2,374)
Static tipping load	Straight	kg (lb)	8246 (18,180)	8172 (18,020)	7472 (16,470)	7403 (16,320)
	Full turn (40°)	kg (lb)	7128 (15,710)	7062 (15,570)	6412 (14,140)	6351 (14,000)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3198 (10'6")	3320 (10'11")	3054 (10'0")	3175 (10'5")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1323 (4'4")	1190 (3'11")	1482 (4'10")	1348 (4'5")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5615 (18'5")	5615 (18'5")	5790 (19'0")	5790 (19'0")
K. Overall length, bucket on ground		mm (ft.in)	8153 (26'9")	7992 (26'3")	8360 (27'5")	8199 (26'11")
Turning radius*		mm (ft.in)	6068 (19'11")	6015 (19'9")	6134 (20'2")	6080 (19'11")
M. Digging depth	0°	mm (ft.in)	250 (9.8")	275 (10.8")	240 (9.4")	265 (10.4")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	132 13460 (29,670)	125 12750 (28,110)	111 11320 (24,960)	106 10810 (23,830)
Operating weight		kg (lb)	13199 (29,100)	13208 (29,120)	13530 (29,830)	13539 (29,850)

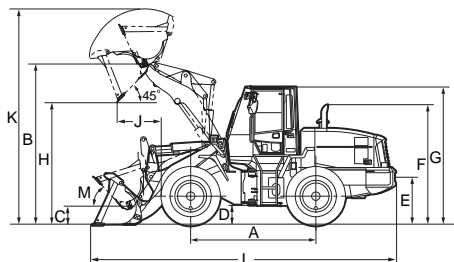
* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA270-7 (Japan source)



Unit: mm (ft.in)

Tread	1930 (6'4")
Width over tires	2505 (8'3")
A Wheelbase	2900 (9'6")
B Hinge pin height, max. height	3965 (13'0")
C Hinge pin height	515 (1'8")
D Ground clearance	465 (1'6")
E Hitch height	950 (3'1")
F Overall height, top of the stack	2920 (9'7")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	

Bucket

Measured with 20.5 R25(L-3) tires, ROPS/FOPS cab

Bucket type			Stockpile Bucket with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.3 (3.0)
	Struck	m ³ (yd ³)	2.1 (2.7)
Bucket width		mm (ft.in)	2550 (8'4")
Bucket weight		kg (lb)	970 (2,138)
Static tipping load	Straight	kg (lb)	9965 (21,970)
	Full turn (40°)	kg (lb)	8720 (19,220)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2975 (9'9")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1585 (5'2")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	945 (3'1")
Reach with arm horizontal and bucket level**		mm (ft.in)	2395 (7'10")
K. Operating height (fully raised)		mm (ft.in)	5285 (17'4")
L. Overall length, bucket on ground		mm (ft.in)	7305 (24'0")
Turning radius*		mm (ft.in)	6025 (19'9")
M. Digging depth	0°	mm (ft.in)	130 (5.1")
	10°	mm (ft.in)	325 (1'1")
Breakout force		kN	131
		kgf (lb)	13375 (29,490)
Operating weight		kg (lb)	12580 (27,730)

* Bucket at carry, outside corner of bucket

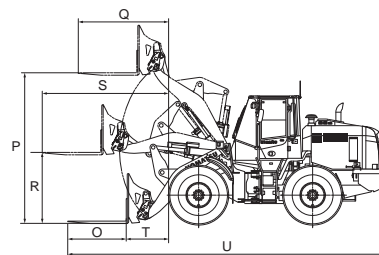
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach at 45°		Change in Dump Height at 45°	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-165	-364	-115	-254	-100	-220	2470	8'1"	465	1'6"	0	0"
Add additional counterweight	+280	+617	+510	+1,124	+435	+960	0	0	0	0	0	0

Fork (with fork quick coupler)

O. Fork tine length	mm (ft.in)	1220 (4'0")	
P. Ground to top of tine at maximum lift	mm (ft.in)	3825 (12'7")	
Q. Reach at maximum height	mm (ft.in)	810 (2'8")	
R. Ground to top of tine - boom and tine level	mm (ft.in)	1840 (6'0")	
S. Reach - boom and tine level	mm (ft.in)	1715 (5'8")	
T. Reach - tine level on ground	mm (ft.in)	1055 (3'6")	
U. Overall length - tine level on ground	mm (ft.in)	7860 (25'9")	
Operating load	kg (lb)	3065 (6,760)	
Max. static tipping load	Straight	kg (lb)	7045 (15,530)
	Full turn	kg (lb)	6130 (13,510)
Operating weight	kg (lb)	13110 (28,900)	

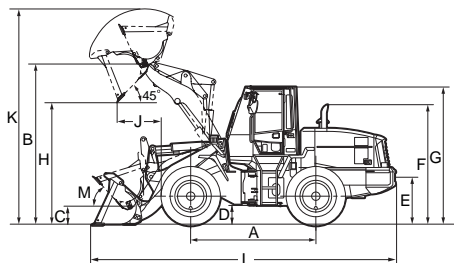


Performance Data Dimensions

WHEEL LOADERS

WA270-7 (USA source)

Unit: mm (ft.in)



Tread	1930 (6'4")
Width over tires	2505 (8'3")
A Wheelbase	2900 (9'6")
B Hinge pin height, Standard boom	3965 (13'0")
max. height High lift boom	4390 (14'5")
C Hinge pin height, Standard boom	515 (1'8")
carry position High lift boom	630 (2'1")
D Ground clearance	465 (1'6")
E Hitch height	950 (3'1")
F Overall height, top of the stack	2920 (9'7")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	49°

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Standard Boom				High Lift Boom
			Stockpile Bucket	Excavating Bucket	Light Material Bucket	Stockpile Bucket (Quick Coupler)	Excavating Bucket
			with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.3 (3.0)	1.9 (2.5)	2.7 (3.5)	2.3 (3.0)	1.9 (2.5)
	Struck	m ³ (yd ³)	-	-	-	-	-
Bucket width		mm (ft.in)	2550 (8'4")	2550 (8'4")	2550 (8'4")	2691 (8'10")	2550 (8'4")
Bucket weight		kg (lb)	970 (2,138)	885 (1,951)	1030 (2,271)	1015 (2,236)	771 (1,700)
Static tipping load	Straight	kg (lb)	10475 (23,090)	10660 (23,500)	10340 (22,800)	9575 (21,110)	8660 (19,090)
	Full turn (40°)	kg (lb)	9170 (20,220)	9330 (20,570)	9045 (19,940)	8380 (18,470)	7580 (16,710)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2975 (9'9")	3055 (10'0")	2880 (9'5")	2865 (9'5")	3480 (11'5")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1585 (5'2")	1545 (5'1")	1635 (5'4")	1637 (5'4")	1965 (6'5")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	945 (3'1")	865 (2'10")	1040 (3'4")	1090 (3'7")	970 (3'2")
Reach with arm horizontal and bucket level**		mm (ft.in)	2395 (7'10")	2255 (7'5")	2505 (8'3")	2448 (8'0")	2650 (8'8")
K. Operating height (fully raised)		mm (ft.in)	5285 (17'4")	5149 (16'11")	5434 (17'10")	5358 (17'7")	5700 (18'7")
L. Overall length, bucket on ground		mm (ft.in)	7305 (24'0")	7255 (23'10")	7420 (24'0")	7465 (24'6")	7690 (25'3")
Turning radius*		mm (ft.in)	6025 (19'9")	5995 (19'8")	6065 (19'11")	6090 (20'0")	6185 (20'4")
Digging depth	0°	mm (ft.in)	130 (5.1")	130 (5.1")	130 (5.1")	110 (4.3")	260 (10.2")
	10°	mm (ft.in)	325 (1'1")	308 (12.1")	351 (1'2")	320 (12.6")	430 (1'5")
Breakout force		kN kgf (lb)	131 13375 (29,490)	147 14965 (32,990)	116 11805 (26,030)	111 11370 (25,070)	153 15650 (34,500)
Operating weight		kg (lb)	12860 (28,350)	12775 (28,160)	12920 (28,480)	13290 (29,300)	12910 (28,460)

* Bucket at carry, outside corner of bucket

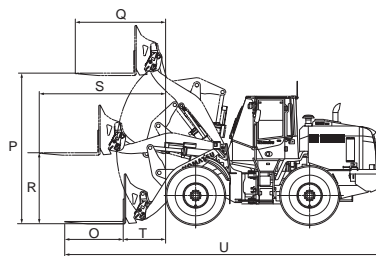
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-165	-364	-115	-254	-100	-220	2470	8'1"	465	1'6"	0	0"
Remove additional counterweight	-280	-617	-510	-1,124	-435	-959	0	0	0	0	0	0

Fork (with fork quick coupler)

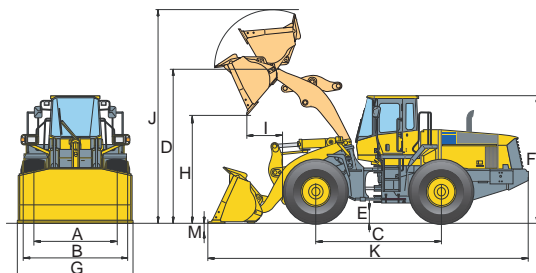
O. Fork tine length	mm (ft.in)	1220 (4'0")	
P. Ground to top of tine at maximum lift	mm (ft.in)	3825 (12'7")	
Q. Reach at maximum height	mm (ft.in)	810 (2'8")	
R. Ground to top of tine - boom and tine level	mm (ft.in)	1840 (6'0")	
S. Reach - boom and tine level	mm (ft.in)	1715 (5'8")	
T. Reach - tine level on ground	mm (ft.in)	1055 (3'6")	
U. Overall length - tine level on ground	mm (ft.in)	7860 (25'9")	
Max. static tipping load	Straight	kg (lb)	7045 (15,530)
	Full turn	kg (lb)	6130 (13,510)
Operating weight	kg (lb)	13110 (28,900)	



Performance Data Dimensions

WHEEL LOADERS

WA270-7 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2900 (9'4")
D Hinge pin height, max. height	3965 (12'9")
E Ground clearance	465 (1'7")
F Overall height, ROPS cab	3200 (10'5")
Turning radius at corner of tire	5240 (17'2")

Measured with 20.5 R25 tires

Bucket type			Earthmoving Bucket		Stockpile Bucket		Universal Bucket	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Direct	Direct	Direct	Direct
Bucket capacity	Heaped	m ³ (yd ³)	2.1 (2.7)	2.3 (3.0)	2.3 (3.0)	2.5 (3.3)	2.1 (2.7)	2.2 (2.9)
	Struck	m ³ (yd ³)	–	–	–	–	–	–
G. Bucket width			mm (ft.in)	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")	2550 (8'4")
Bucket weight			kg (lb)	1100 (2,425)	1110 (2,447)	1125 (2,480)	1135 (2,502)	985 (2,172)
Static tipping load	Straight	kg (lb)	10190 (22,470)	10140 (22,360)	10110 (22,290)	10045 (22,150)	10330 (22,770)	10250 (22,600)
	40° full turn	kg (lb)	8900 (19,620)	8855 (19,520)	8830 (19,470)	8770 (19,560)	9045 (19,940)	8970 (19,780)
H. Dumping clearance, max. height and 45° dump angle**			mm (ft.in)	2840 (9'4")	2955 (9'8")	2815 (9'3")	2935 (9'8")	2840 (9'4")
I. Reach at max. height and 45° dump angle**			mm (ft.in)	1070 (3'6")	935 (3'1")	1095 (3'7")	960 (3'2")	1065 (3'6")
J. Operating height (fully raised)			mm (ft.in)	5290 (17'4")	5290 (17'4")	5290 (17'4")	5290 (17'4")	5230 (17'2")
K. Overall length, bucket on ground			mm (ft.in)	7380 (24'3")	7230 (23'9")	7415 (24'4")	7265 (23'10")	7375 (24'2")
Turning radius*			mm (ft.in)	5845 (19'2")	5800 (19'0")	5850 (19'2")	5805 (19'1")	5845 (19'2")
M. Digging depth	0°	mm (ft.in)	125 (4.9")	150 (5.9")	125 (4.9")	150 (5.9")	125 (4.9")	150 (5.9")
	10°	mm (ft.in)	–	–	–	–	–	–
Breakout force			kN kgf (lb)	138 14080 (31,030)	130.6 13320 (29,370)	133.3 13600 (29,980)	126.4 12890 (28,420)	138.7 14150 (31,190)
Operating weight			kg (lb)	12705 (28,010)	12715 (28,030)	12730 (28,070)	12740 (28,090)	12590 (27,760)

* Bucket at carry, outside corner of bucket.

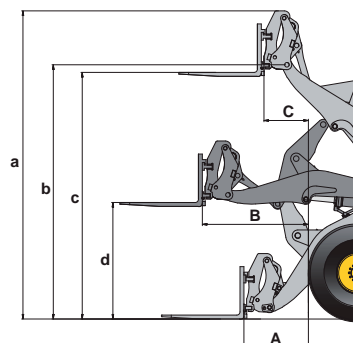
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach at 45°		Change in Dump Height at 45°	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5 R25 (L2)	-330	-728	-230	-507	-200	-435	-75	-3"	+70	+2.8"	-75	-3"
20.5 R25 (L5)	+680	+1499	+450	+992	+400	+882	0	0"	-20	-0.8"	+25	+1"

Fork

Fork tine length		mm (ft.in)	1200 (3'11")
A. Max. reach at ground level		mm (ft.in)	965 (3'2")
B. Max. reach		mm (ft.in)	1630 (5'4")
C. Max. reach at max. stacking height		mm (ft.in)	725 (2'5")
a. Max. height fork-carrier		mm (ft.in)	4765 (15'8")
b. Hinge pin height		mm (ft.in)	3965 (13'0")
c. Max. stacking height		mm (ft.in)	3820 (12'6")
d. Height of forks at max. reach		mm (ft.in)	1820 (6'0")
Max. static tipping load	Straight	kg (lb)	7275 (16,040)
	Full turn	kg (lb)	6365 (14,030)
Max. payload as per EN 474-3, 80%		kg (lb)	5090 (11,220)
Max. payload as per EN 474-3, 60%		kg (lb)	3815 (8,420)
Weight in working order with fork tines		kg (lb)	12555 (27,680)

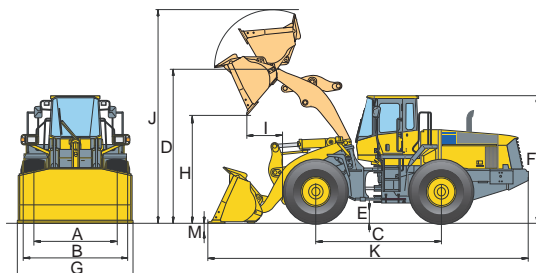


All measured with 20.5R25 tires & additional counterweight

Performance Data Dimensions

WHEEL LOADERS

WA270-7 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2900 (9'4")
D Hinge pin height, max. height	3965 (12'9")
E Ground clearance	465 (1'7")
F Overall height, ROPS cab	3200 (10'5")
Turning radius at corner of tire	5240 (17'2")

Bucket (with quick coupler)

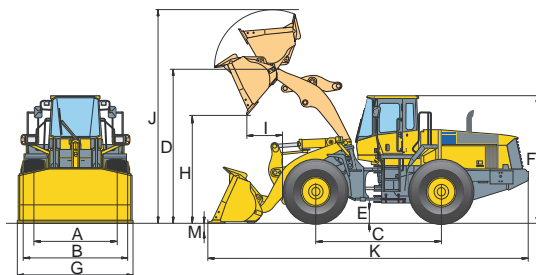
Measured with 20.5 R25 tires

Bucket type			Earthmoving Bucket		Stockpile Bucket		Universal Bucket	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.1 (2.7)	2.3 (3.0)	2.3 (3.0)	2.5 (3.3)	2.0 (2.6)	2.1 (2.7)
	Struck	m ³ (yd ³)	—	—	—	—	—	—
G. Bucket width			mm (ft.in)	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")	2550 (8'4")
Bucket weight			kg (lb)	1080 (2,381)	1090 (2,403)	1105 (2,436)	1115 (2,458)	950 (2,094)
Static tipping load	Straight	kg (lb)	9355 (20,620)	9320 (20,550)	9320 (20,550)	9265 (20,430)	9495 (20,930)	9470 (20,880)
	40° full turn	kg (lb)	8130 (17,920)	8095 (17,850)	8095 (17,850)	8045 (17,740)	8270 (18,230)	8245 (18,180)
H. Dumping clearance, max. height and 45° dump angle*			mm (ft.in)	2690 (8'10")	2815 (9'3")	2665 (8'9")	2790 (9'2")	2695 (8'10")
I. Reach at max. height and 45° dump angle**			mm (ft.in)	1225 (4'0")	1095 (3'7")	1250 (4'1")	1120 (3'8")	1225 (4'0")
J. Operating height (fully raised)			mm (ft.in)	5450 (17'11")	5450 (17'11")	5450 (17'11")	5450 (17'11")	5390 (17'8")
K. Overall length, bucket on ground			mm (ft.in)	7585 (24'11")	7440 (24'5")	7620 (25'0")	7620 (25'0")	7580 (24'10")
Turning radius*			mm (ft.in)	5905 (19'4")	5855 (19'3")	5915 (19'5")	5865 (19'3")	5905 (19'4")
M. Digging depth	0°	mm (ft.in)	115 (4.5")	140 (5.5")	115 (4.5")	140 (5.5")	115 (4.5")	140 (5.5")
	10°	mm (ft.in)	—	—	—	—	—	—
Breakout force	kN		113.4	108.4	110.2	105.5	113.9	108.8
	kgf (lb)		11570 (25,500)	11060 (24,380)	11240 (24,780)	10760 (23,720)	11620 (25,610)	11100 (24,470)
Operating weight			kg (lb)	13070 (28,810)	13080 (28,840)	13095 (28,870)	13105 (28,890)	12940 (28,530)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

WA270-7 (Germany source)



Unit: mm (ft.in)

A Tread	1930 (6'4")
B Width over tires	2470 (8'1")
C Wheelbase	2900 (9'4")
D Hinge pin height, max. height	4392 (14'5")
E Ground clearance	465 (1'7")
F Overall height, ROPS cab	3200 (10'5")
Turning radius at corner of tire	5240 (17'2")

Bucket

Measured with 20.5 R25 tires, High Lift Boom

Bucket type			High Lift Boom					
			Earthmoving Bucket		Universal Bucket		Universal Bucket	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Direct	Direct	Quick Coupler	Quick Coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.1 (2.7)	2.3 (3.0)	2.1 (2.7)	2.2 (2.9)	2.0 (2.6)	2.1 (2.7)
	Struck	m ³ (yd ³)	–	–	–	–	–	–
G. Bucket width		mm (ft.in)	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")	2550 (8'4")	2540 (8'4")
Bucket weight		kg (lb)	1100 (2,425)	1110 (2,447)	985 (2,172)	995 (2,194)	950 (2,094)	960 (2,116)
Static tipping load	Straight	kg (lb)	8357 (18,420)	8319 (15,680)	8496 (18,730)	8434 (18,590)	7813 (17,230)	7764 (17,180)
	40° full turn	kg (lb)	7149 (15,760)	7114 (19,520)	7286 (16,060)	7230 (15,940)	6651 (14,660)	6607 (14,570)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3262 (10'8")	3383 (11'1")	3266 (10'9")	3386 (11'1")	3121 (10'3")	3242 (10'8")
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1172 (3'10")	1038 (3'5")	1168 (3'10")	1035 (3'5")	1327 (3'4")	1194 (3'11")
J. Operating height (fully raised)		mm (ft.in)	5714 (18'9")	5714 (25'9")	5656 (18'7")	5656 (18'7")	5812 (19'1")	5812 (19'1")
K. Overall length, bucket on ground		mm (ft.in)	8005 (26'3")	7841 (23'9")	8000 (26'3")	7836 (25'9")	8208 (26'11")	8045 (26'5")
Turning radius*		mm (ft.in)	6050 (19'10")	5995 (19'8")	6045 (19'10")	5990 (19'8")	6110 (20'1")	6055 (19'10")
M. Digging depth	0°	mm (ft.in)	250 (9.8")	275 (10.8")	250 (9.8")	275 (10.8")	240 (9.4")	265 (10.4")
	10°	mm (ft.in)	–	–	–	–	–	–
Breakout force		kN kgf (lb)	144 14690 (32,380)	136 13870 (30,580)	145 14790 (32,610)	137 13970 (30,810)	119 12140 (26,760)	114 11630 (25,640)
Operating weight		kg (lb)	13215 (29,130)	13225 (29,160)	13100 (28,880)	13110 (28,900)	13455 (29,660)	13465 (29,680)

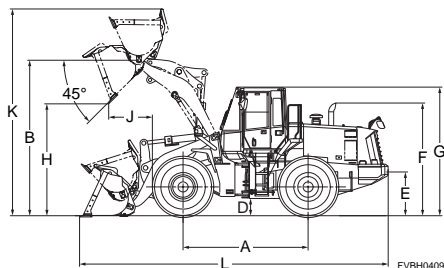
* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA320-8 (Japan source)



	Unit: mm (ft.in)
Tread	2050 (6'9")
Width over tires	2590 (8'6")
A Wheelbase	3030 (9'11")
B Hinge pin height, max. height	4005 (13'2")
C Hinge pin height, carry position	545 (1'9")
D Ground clearance	425 (1'5")
E Hitch height	1085 (3'7")
F Overall height, top of the stack	3040 (10'0")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	50°

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Stockpile Bucket	Light Material Bucket	Excavating Bucket
			with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.8 (3.7)	3.2 (4.2)	2.3 (3.0)
	Struck	m ³ (yd ³)	2.4 (3.1)	2.8 (3.7)	1.9 (2.5)
Bucket width		mm (ft.in)	2740 (9'0")	2740 (9'0")	2740 (9'0")
Bucket weight		kg (lb)	1330 (2,932)	1445 (3,186)	1370 (3,020)
Static tipping load	Straight	kg (lb)	11500 (25,350)	11410 (25,150)	11485 (25,320)
	Full turn (40°)	kg (lb)	9780 (21,560)	9670 (21,320)	9745 (21,480)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2880 (9'5")	2745 (9'0")	2965 (9'9")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1595 (5'3")	1620 (5'4")	1540 (5'1")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1000 (3'3")	1110 (3'8")	840 (2'9")
Reach with arm horizontal and bucket level**		mm (ft.in)	2500 (8'2")	2665 (8'9")	2350 (7'9")
K. Operating height (fully raised)		mm (ft.in)	5375 (17'8")	5465 (17'11")	5175 (17'0")
L. Overall length, bucket on ground		mm (ft.in)	7690 (25'3")	7855 (25'9")	7540 (24'9")
Turning radius*		mm (ft.in)	6310 (20'8")	6360 (20'10")	6250 (20'6")
Digging depth	0°	mm (ft.in)	165 (6.5")	165 (6.5")	165 (6.5")
	10°	mm (ft.in)	375 (1'3")	410 (1'4")	350 (1'2")
Breakout force		kgf (lb)	162 16470 (36,310)	139 14130 (31,150)	185 18870 (41,600)
Operating weight		kg (lb)	15480 (34,130)	15600 (34,390)	15520 (34,220)

* Bucket at carry, outside corner of bucket

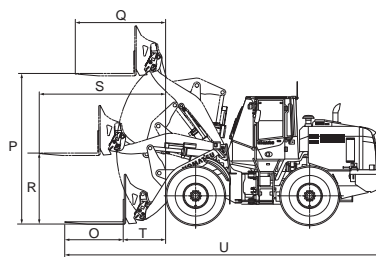
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-165	-364	-105	-231	-95	-209	2585	8'6"	425	1'5"	0	0"
Remove additional counterweight	-250	-551	-440	-970	-380	-838	0	0	0	0	0	0

Fork (with fork quick coupler)

O. Fork tine length		mm (ft.in)	1524 (5'0")
P. Ground to top of tine at maximum lift		mm (ft.in)	3855 (12'8")
Q. Reach at maximum height		mm (ft.in)	840 (2'9")
R. Ground to top of tine - boom and tine level		mm (ft.in)	1845 (6'0")
S. Reach - boom and tine level		mm (ft.in)	1730 (5'8")
T. Reach - tine level on ground		mm (ft.in)	1060 (3'6")
U. Overall length - tine level on ground		mm (ft.in)	8375 (27'6")
Operating load		mm (ft.in)	3700 (8,160)
Max. static tipping load	Straight	kg (lb)	8550 (18,850)
	Full turn	kg (lb)	7400 (16,310)
Operating weight		kg (lb)	15140 (33,380)

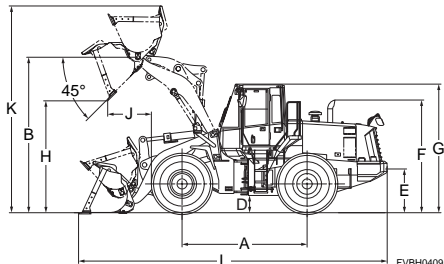


Performance Data Dimensions

WHEEL LOADERS

WA320-8 (USA source)

Unit: mm (ft.in)



Tread		2050 (6'9")
Width over tires		2590 (8'6")
A Wheelbase		3030 (9'11")
B Hinge pin height,	Standard boom	4005 (13'2")
max. height	High lift boom	4545 (14'11")
C Hinge pin height,	Standard boom	545 (1'9")
carry position	High lift boom	705 (2'4")
D Ground clearance		425 (1'5")
E Hitch height		1085 (3'7")
F Overall height, top of the stack		3040 (10'0")
G Overall height, ROPS cab		3200 (10'6")
M Tilt back angle		50°

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Standard Boom				High Lift Boom
			Stockpile Bucket	Light Material Bucket	Excavating Bucket	Stockpile Bucket (Quick Coupler)	Stockpile Bucket
			with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.8 (3.7)	3.2 (4.2)	2.3 (3.0)	2.7 (3.5)	2.3 (3.0)
	Struck	m ³ (yd ³)	2.4 (3.1)	2.8 (3.7)	1.9 (2.5)	2.2 (2.9)	1.9 (2.5)
Bucket width		mm (ft.in)	2740 (9'0")	2740 (9'0")	2740 (9'0")	2740 (9'0")	2740 (9'0")
Bucket weight		kg (lb)	1330 (2,932)	1445 (3,186)	1370 (3,020)	1260 (2,778)	1255 (2,767)
Static tipping load	Straight	kg (lb)	11500 (25,350)	11410 (25,150)	11485 (25,320)	11255 (24,810)	9175 (20,230)
	Full turn (40°)	kg (lb)	9780 (21,560)	9670 (21,320)	9745 (21,480)	9520 (20,990)	7710 (17,000)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2880 (9'5")	2745 (9'0")	2965 (9'9")	2785 (9'2")	3525 (11'7")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1595 (5'3")	1620 (5'4")	1540 (5'1")	1765 (5'9")	2060 (6'9")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1000 (3'3")	1110 (3'8")	840 (2'9")	1240 (4'1")	980 (3'3")
Reach with arm horizontal and bucket level**		mm (ft.in)	2500 (8'2")	2665 (8'9")	2350 (7'9")	2735 (9'0")	2825 (9'3")
K. Operating height (fully raised)		mm (ft.in)	5375 (17'8")	5465 (17'11")	5175 (17'0")	5425 (17'10")	5845 (19'2")
L. Overall length, bucket on ground		mm (ft.in)	7690 (25'3")	7855 (25'9")	7540 (24'9")	7840 (25'9")	8125 (26'8")
Turning radius*		mm (ft.in)	6310 (20'8")	6360 (20'10")	6250 (20'6")	6330 (20'9")	6505 (21'4")
Digging depth	0°	mm (ft.in)	165 (6.5")	165 (6.5")	65 (2.6")	65 (2.6")	270 (10.6")
	10°	mm (ft.in)	375 (1'3")	410 (1'4")	350 (1'2")	320 (1'0")	460 (1'6")
Breakout force		kN kgf (lb)	162 16470 (36,310)	139 14130 (31,150)	185 18870 (41,600)	140 14240 (31,390)	197 20090 (44,290)
Operating weight		kg (lb)	15480 (34,130)	15600 (34,390)	15520 (34,220)	15870 (34,990)	15680 (34,570)

* Bucket at carry, outside corner of bucket

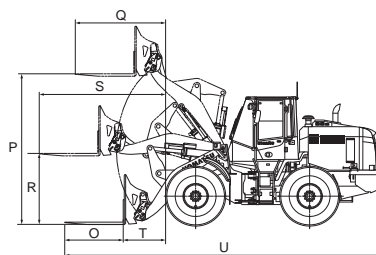
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-165	-364	-105	-231	-95	-209	2585	8'6"	425	1'5"	0	0"
Remove additional counterweight	-250	-551	-440	-970	-380	-838	0	0	0	0	0	0

Fork (with fork quick coupler)

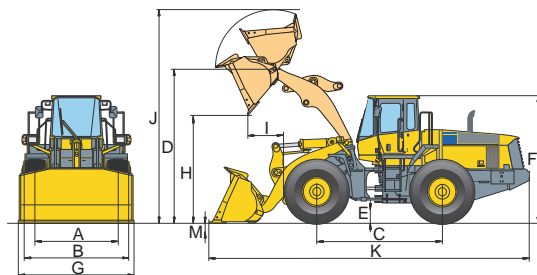
O. Fork tine length		mm (ft.in)	1524 (5'0")
P. Ground to top of tine at maximum lift		mm (ft.in)	3855 (12'8")
Q. Reach at maximum height		mm (ft.in)	840 (2'9")
R. Ground to top of tine - boom and tine level		mm (ft.in)	1845 (6'0")
S. Reach - boom and tine level		mm (ft.in)	1730 (5'8")
T. Reach - tine level on ground		mm (ft.in)	1060 (3'6")
U. Overall length - tine level on ground		mm (ft.in)	8375 (27'6")
Max. static tipping load	Straight	kg (lb)	8550 (18,850)
	Full turn	kg (lb)	7400 (16,310)
Operating weight		kg (lb)	15140 (33,380)



Performance Data Dimensions

WHEEL LOADERS

WA320-8 (Germany source)



	Unit: mm (ft.in)
A Tread	2050 (6'9")
B Width over tires	2580 (8'6")
C Wheelbase	3030 (9'11")
D Hinge pin height, max. height	4010 (13'2")
E Ground clearance	430 (1'5")
F Overall height, ROPS cab	3205 (10'6")
Turning radius at corner of tire	5705 (18'9")

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Bucket with flat bottom			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Quick coupler	Quick coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.7 (3.5)	2.8 (3.7)	2.7 (3.5)	2.8 (3.7)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")
Bucket weight		kg (lb)	1381 (2,921)	1476 (3,254)	1269 (2,798)	1364 (3,007)
Static tipping load	Straight	kg (lb)	11744 (25,890)	11537 (25,430)	11007 (24,270)	10796 (23,800)
	Full turn (40°)	kg (lb)	9850 (21,720)	9832 (21,680)	9348 (20,610)	9144 (20,160)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2684 (8'10")	2793 (9'2")	2604 (8'7")	2710 (8'11")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1148 (3'9")	1023 (3'4")	1305 (4'3")	1181 (3'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5438 (17'10")	5438 (17'10")	5594 (18'4")	5594 (18'4")
K. Overall length, bucket on ground		mm (ft.in)	7998 (26'3")	7833 (25'8")	8101 (26'7")	7962 (26'1")
Turning radius*		mm (ft.in)	6371 (20'11")	6330 (20'9")	6406 (21'0")	6356 (20'10")
M. Digging depth	0°	mm (ft.in)	180 (7.1")	210 (8.3")	125 (4.9")	155 (6.1")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	167 17030 (37,540)	157 16010 (35,300)	146 14890 (32,830)	138 14070 (31,020)
Operating weight		kg (lb)	15831 (34,900)	15926 (35,110)	16177 (35,660)	16272 (35,870)

Bucket type			Bucket with raised bottom			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Quick coupler	Quick coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.6 (3.4)	2.8 (3.7)	2.6 (3.4)	2.8 (3.7)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")
Bucket weight		kg (lb)	1252 (2,760)	1347 (2,970)	1120 (2,469)	1215 (2,679)
Static tipping load	Straight	kg (lb)	11711 (25,820)	11503 (25,360)	11174 (24,630)	10973 (24,190)
	Full turn (40°)	kg (lb)	10010 (22,070)	9813 (21,630)	9508 (20,960)	9319 (20,540)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2684 (8'10")	2793 (9'2")	2604 (8'7")	2710 (8'11")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1148 (3'9")	1023 (3'4")	1305 (4'3")	1181 (3'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5438 (17'10")	5438 (17'10")	5594 (18'4")	5594 (18'4")
K. Overall length, bucket on ground		mm (ft.in)	7998 (26'3")	7833 (25'8")	8101 (26'7")	7962 (26'1")
Turning radius*		mm (ft.in)	6371 (20'11")	6330 (20'9")	6406 (21'0")	6356 (20'10")
M. Digging depth	0°	mm (ft.in)	180 (7.1")	210 (8.3")	125 (4.9")	155 (6.1")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	167 17030 (37,540)	157 16010 (35,300)	146 14890 (32,830)	138 14070 (31,020)
Operating weight		kg (lb)	15702 (34,620)	15797 (34,830)	16028 (35,340)	16123 (35,540)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

**Performance Data
Dimensions**

WHEEL LOADERS

WA320-8 (Germany source)

Bucket

Measured with 20.5 R25 (L3) tires, High Lift Boom

Bucket type			Bucket with flat bottom (with high lift boom)				
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	
Bucket mount			Direct	Direct	Quick coupler	Quick coupler	
Bucket capacity	Heaped	m ³ (yd ³)	2.7 (3.5)	2.8 (3.7)	2.7 (3.5)	2.8 (3.7)	
	Struck	m ³ (yd ³)	–	–	–	–	
G. Bucket width			mm (ft.in)	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")
Bucket weight			kg (lb)	1381 (2,921)	1476 (3,254)	1269 (2,798)	1364 (3,007)
Static tipping load	Straight	kg (lb)	9394 (20,710)	9187 (20,250)	8657 (19,090)	8446 (18,620)	
	Full turn (40°)	kg (lb)	7750 (17,090)	7732 (17,050)	7248 (15,980)	7044 (15,530)	
H. Dumping clearance, max. height and 45° dump angle**			mm (ft.in)	3229 (10'7")	3338 (10'11")	3149 (10'4")	3255 (10'8")
Reach at 2130 mm (7') and 45° dump angle**			mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**			mm (ft.in)	1238 (4'1")	1113 (3'8")	1395 (4'7")	1271 (4'2")
Reach with arm horizontal and bucket level**			mm (ft.in)	–	–	–	–
J. Operating height (fully raised)			mm (ft.in)	5978 (19'7")	5978 (19'7")	6134 (20'2")	6134 (20'2")
K. Overall length, bucket on ground			mm (ft.in)	8569 (28'1")	8404 (27'7")	8672 (28'5")	8533 (28'0")
Turning radius*			mm (ft.in)	6621 (21'9")	6580 (21'7")	6656 (21'10")	6606 (21'8")
M. Digging depth	0°	mm (ft.in)	290 (11.4")	320 (12.6")	235 (9.3")	265 (10.4")	
	10°	mm (ft.in)	–	–	–	–	
Breakout force			kN kgf (lb)	161 16420 (36,200)	151 15400 (33,950)	140 14280 (31,480)	132 13460 (29,670)
Operating weight			kg (lb)	16126 (35,550)	16221 (35,760)	16472 (36,310)	16567 (36,520)

Bucket type			Bucket with raised bottom				
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	
Bucket mount			Direct	Direct	Quick coupler	Quick coupler	
Bucket capacity	Heaped	m ³ (yd ³)	2.6 (3.4)	2.8 (3.7)	2.6 (3.4)	2.8 (3.7)	
	Struck	m ³ (yd ³)	–	–	–	–	
G. Bucket width			mm (ft.in)	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")
Bucket weight			kg (lb)	1252 (2,760)	1347 (2,970)	1120 (2,469)	1215 (2,679)
Static tipping load	Straight	kg (lb)	9361 (20,640)	9153 (20,180)	8824 (19,450)	8623 (19,010)	
	Full turn (40°)	kg (lb)	7910 (17,440)	7713 (17,000)	7408 (16,330)	7219 (15,920)	
H. Dumping clearance, max. height and 45° dump angle**			mm (ft.in)	3229 (10'7")	3338 (10'11")	3149 (10'4")	3255 (10'8")
Reach at 2130 mm (7') and 45° dump angle**			mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**			mm (ft.in)	1238 (4'1")	1113 (3'8")	1395 (4'7")	1271 (4'2")
Reach with arm horizontal and bucket level**			mm (ft.in)	–	–	–	–
J. Operating height (fully raised)			mm (ft.in)	5978 (19'7")	5978 (19'7")	6134 (20'2")	6134 (20'2")
K. Overall length, bucket on ground			mm (ft.in)	8569 (28'1")	8404 (27'7")	8672 (28'5")	8533 (28'0")
Turning radius*			mm (ft.in)	6621 (21'9")	6580 (21'7")	6656 (21'10")	6606 (21'8")
M. Digging depth	0°	mm (ft.in)	290 (11.4")	320 (12.6")	235 (9.3")	265 (10.4")	
	10°	mm (ft.in)	–	–	–	–	
Breakout force			kN kgf (lb)	161 16420 (36,200)	151 15400 (33,950)	140 14280 (31,480)	132 13460 (29,670)
Operating weight			kg (lb)	15997 (35,270)	16092 (35,480)	16323 (35,990)	16418 (36,200)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Standard with add. side counterweight A15, high-lift with add. side counterweight A25

WA320-8 (Germany source)

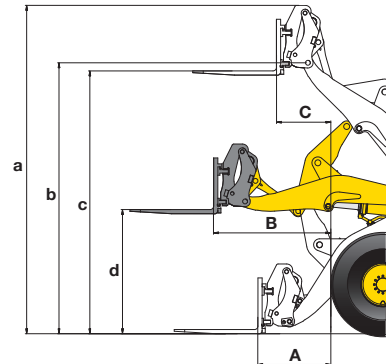
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over yres		Change in Reach at 45°		Change in Dump Height at 45°		Change in Overall Height	
	kg	lb	Straight		Full Turn		mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
			kg	lb	kg	lb								
20.5 R25 (L2)	-200	-441	-130	-286	-115	-254	0	0"	0	0"	-40	-1.6"	-40	-1.6"
20.5 R25 (L5)	+660	+1455	+430	+948	+380	+838	0	0"	-25	-1.0"	+25	+1.0"	+25	+1.0"
23.5 R25 (L3)	+340	+750	+222	+489	+195	+430	+75	+3.0"	-60	-2.4"	+60	+2.4"	+60	+2.4"
with additional side counterweights (A25)	+172	+379	+300	+661	+250	+551								
without additional side counterweights (A15)	-250	-551	-445	-981	-377	-743								

Fork

HIGH LIFT

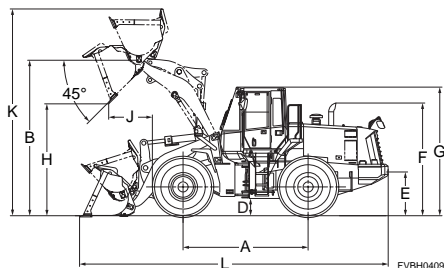
Fork tine length	mm (ft.in)	1200 (3'11")	1200 (3'11")
A Max.reach at ground level	mm (ft.in)	1080 (37")	1670 (5'6")
B Max. reach	mm (ft.in)	1725 (5'8")	2200 (7'3")
C Max. reach at max. stacking height	mm (ft.in)	830 (2'9")	915 (3'0")
a Max. height fork-carrier	mm (ft.in)	4765 (15'8")	5300 (17'5")
b Hinge pin height	mm (ft.in)	4010 (13'2")	4550 (14'11")
c Max. stacking height	mm (ft.in)	3820 (12'6")	4360 (14'4")
d Height of forks at maximum reach	mm (ft.in)	1810 (5'11")	1810 (5'11")
Max. static tipping load	Straight	kg (lb)	8820 (19,440)
	Full turn	kg (lb)	7570 (16,690)
Max. payload as per EN 474-3, 80%	kg (lb)	6000 (13,230)	5250 (11,570)
Max. payload as per EN 474-3, 60%	kg (lb)	4550 (10,030)	3940 (8,690)
Weight in working order with fork tines	kg (lb)	15150 (33,400)	15690 (34,590)



Performance Data Dimensions

WHEEL LOADERS

WA320-7 (Japan source)



	Unit: mm (ft.in)
Tread	2050 (6'9")
Width over tires	2595 (8'6")
A Wheelbase	3030 (9'11")
B Hinge pin height, max. height	4005 (13'2")
C Hinge pin height, carry position	545 (1'9")
D Ground clearance	425 (1'5")
E Hitch height	1085 (3'7")
F Overall height, top of the stack	2910 (9'7")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	50°

Measured with with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Stockpile Bucket		Light Material Bucket	
			with B.O.C.		with B.O.C.	
Bucket capacity	Heaped	m ³ (yd ³)	2.8 (3.7)		3.2 (4.2)	
	Struck	m ³ (yd ³)	2.4 (3.1)		2.8 (3.7)	
Bucket width		mm (ft.in)	2740 (9'0")		2740 (9'0")	
Bucket weight		kg (lb)	1330 (2,932)		1445 (3,186)	
Static tipping load	Straight	kg (lb)	11630 (25,640)		11740 (25,880)	
	Full turn (40°)	kg (lb)	9610 (21,190)		9730 (21,450)	
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2880 (9'5")		2745 (9'0")	
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1595 (5'3")		1620 (5'4")	
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1000 (3'3")		1110 (3'8")	
Reach with arm horizontal and bucket level**		mm (ft.in)	2500 (8'2")		2665 (8'9")	
K. Operating height (fully raised)		mm (ft.in)	5375 (17'8")		5465 (17'11")	
L. Overall length, bucket on ground		mm (ft.in)	7635 (25'1")		7800 (25'7")	
Turning radius*		mm (ft.in)	6310 (20'8")		6360 (20'10")	
Digging depth	0°	mm (ft.in)	165 (6.5")		165 (6.5")	
	10°	mm (ft.in)	375 (1'3")		410 (1'4")	
Breakout force		kgf (lb)	162 16470 (36,310)		139 14130 (31,150)	
Operating weight		kg (lb)	15300 (33,730)		15415 (33,980)	

* Bucket at carry, outside corner of bucket

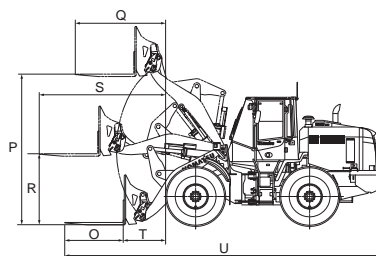
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L-2)	-165	-364	-105	-231	-95	-209	2585	8'6"	425	1'5"	0	0"
Remove additional counterweight	-250	-551	-440	-970	-380	-176	0	0	0	0	0	0

Fork (with fork quick coupler)

O. Fork tine length		mm (ft.in)	1524 (5'0")
P. Ground to top of tine at maximum lift		mm (ft.in)	3855 (12'8")
Q. Reach at maximum height		mm (ft.in)	840 (2'9")
R. Ground to top of tine - boom and tine level		mm (ft.in)	1845 (6'0")
S. Reach - boom and tine level		mm (ft.in)	1730 (5'8")
T. Reach - tine level on ground		mm (ft.in)	1060 (3'6")
U. Overall length - tine level on ground		mm (ft.in)	8320 (27'4")
Operating load		mm (ft.in)	3560 (7,850)
Max. static tipping load	Straight	kg (lb)	8310 (18,320)
	Full turn	kg (lb)	7120 (15,700)
Operating weight		kg (lb)	15080 (33,250)

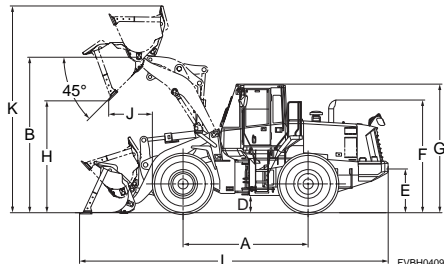


Performance Data Dimensions

WHEEL LOADERS

WA320-7 (USA source)

Unit: mm (ft.in)



Tread	2050 (6'9")
Width over tires	2590 (8'6")
A Wheelbase	3030 (9'11")
B Hinge pin height, max. height	4005 (13'2")
Standard boom	4545 (14'11")
High lift boom	
C Hinge pin height, carry position	553 (1'10")
Standard boom	730 (2'5")
High lift boom	
D Ground clearance	425 (1'5")
E Hitch height	1085 (3'7")
F Overall height, top of the stack	2910 (9'7")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	49°

Bucket

Measured with 20.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Standard Boom			High Lift Boom
			Stockpile Bucket	Light Material Bucket	Stockpile Bucket (Quick Coupler)	Stockpile Bucket
			with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	2.8 (3.7)	3.2 (4.2)	2.7 (3.5)	2.3 (3.0)
	Struck	m ³ (yd ³)	2.4 (3.1)	2.8 (3.7)	2.2 (2.9)	2.0 (2.6)
Bucket width		mm (ft.in)	2740 (9'0")	2740 (9'0")	2740 (9'0")	2740 (9'0")
Bucket weight		kg (lb)	1330 (2,932)	1445 (3,186)	1260 (2,778)	1195 (2,634)
Static tipping load	Straight	kg (lb)	11630 (25,640)	11740 (25,880)	11518 (25,390)	9380 (20,680)
	Full turn (40°)	kg (lb)	9610 (21,200)	9730 (21,450)	9823 (21,660)	8160 (17,990)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2880 (9'5")	2745 (9'0")	2785 (9'2")	3525 (11'7")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1595 (5'3")	1620 (5'4")	1770 (5'10")	2045 (6'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1000 (3'3")	1110 (3'8")	1260 (4'2")	980 (3'3")
Reach with arm horizontal and bucket level**		mm (ft.in)	2500 (8'2")	2665 (8'9")	2735 (9'0")	2820 (9'3")
K. Operating height (fully raised)		mm (ft.in)	5375 (17'8")	5465 (17'11")	5425 (17'10")	5845 (19'2")
L. Overall length, bucket on ground		mm (ft.in)	7635 (25'0")	7800 (25'7")	7675 (25'2")	8070 (26'6")
Turning radius*		mm (ft.in)	6310 (20'8")	6360 (20'10")	6330 (20'9")	6525 (21'5")
Digging depth	0°	mm (ft.in)	165 (6.5")	165 (6.5")	65 (2.6")	270 (10.6")
	10°	mm (ft.in)	375 (1'3")	410 (1'4")	329 (1'1")	460 (1'6")
Breakout force		kN kgf (lb)	162 16470 (36,310)	139 14130 (31,150)	140 14240 (31,390)	197 20090 (44,290)
Operating weight		kg (lb)	15300 (33,730)	15415 (33,980)	15870 (34,990)	15680 (34,570)

* Bucket at carry, outside corner of bucket

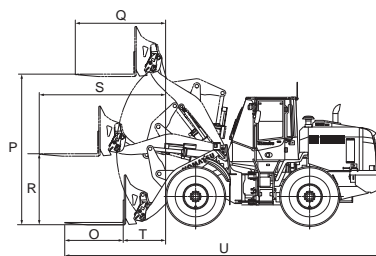
** At the end of B.O.C. or teeth

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground clearance		Change in Vertical Dimensions	
	kg	lb	Straight		Full Turn		mm	ft.in	mm	ft.in	mm	ft.in
			kg	lb	kg	lb						
20.5-25-12PR (L2)	-165	-364	-105	-231	-95	-209	2585	8'6"	425	1'5"	0	0"
Remove additional counterweight	-250	-551	-440	-970	-363	-800	0	0	0	0	0	0

Fork (with fork quick coupler)

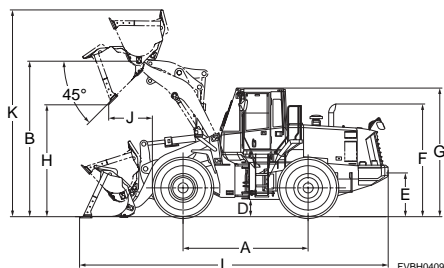
O. Fork tine length		mm (ft.in)	1524 (5'0")
P. Ground to top of tine at maximum lift		mm (ft.in)	3855 (12'8")
Q. Reach at maximum height		mm (ft.in)	840 (2'9")
R. Ground to top of tine - boom and tine level		mm (ft.in)	1845 (6'0")
S. Reach - boom and tine level		mm (ft.in)	1730 (5'8")
T. Reach - tine level on ground		mm (ft.in)	1060 (3'6")
U. Overall length - tine level on ground		mm (ft.in)	8320 (27'4")
Max. static tipping load	Straight	kg (lb)	8310 (18,320)
	Full turn	kg (lb)	7120 (15,700)
Operating weight		kg (lb)	15080 (33,250)



Performance Data Dimensions

WHEEL LOADERS

WA320-7 (Germany source)



Unit: mm (ft.in)

A Tread	2050 (6'9")
B Width over tires	2580 (8'6")
C Wheelbase	3030 (9'11")
D Hinge pin height, max. height	4010 (13'2")
E Ground clearance	425 (1'5")
F Overall height, ROPS cab	3200 (10'6")
Turning radius at corner of tire	5210 (17'1")

Bucket

Measured with 20.5 R25 (L3) tires

Bucket type			Earthmoving		Stockpile		Universal	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Direct	Direct	Direct	Direct
Bucket capacity	Heaped	m ³ (yd ³)	2.7 (3.5)	2.9 (3.8)	3.0 (3.9)	3.2 (4.2)	2.7 (3.5)	2.9 (3.8)
	Struck	m ³ (yd ³)	—	—	—	—	—	—
G. Bucket width			2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")
Bucket weight			1325 (2,921)	1415 (3,120)	1265 (2,789)	1355 (2,987)	1210 (2,668)	1300 (2,866)
Static tipping load	Straight	kg (lb)	11465 (25,280)	11300 (24,910)	11470 (25,290)	11235 (24,770)	11560 (25,490)	11360 (25,040)
	Full turn (40°)	kg (lb)	9850 (21,720)	9695 (21,370)	9860 (21,740)	9645 (21,260)	9950 (21,940)	9765 (21,530)
H. Dumping clearance, max. height and 45° dump angle**			2750 (9'0")	2840 (9'4")	2715 (8'11")	2800 (9'2")	2750 (9'0")	2840 (9'4")
I. Reach at max. height and 45° dump angle**			1145 (3'9")	1015 (3'4")	1185 (3'11")	1055 (3'6")	1145 (3'9")	1015 (3'4")
J. Operating height (fully raised)			5335 (17'6")	5335 (17'6")	5500 (18'1")	5500 (18'1")	5400 (17'9")	5400 (17'9")
K. Overall length, bucket on ground			7825 (25'8")	7700 (25'3")	7880 (25'10")	7755 (25'5")	7825 (25'8")	7700 (25'3")
Turning radius*			6205 (20'4")	6175 (20'3")	6220 (20'5")	6190 (20'4")	6205 (20'4")	6175 (20'3")
M. Digging depth	0°	mm (ft.in)	150 (5.9")	180 (7.1")	150 (5.9")	180 (7.1")	150 (5.9")	180 (7.1")
	10°	mm (ft.in)	—	—	—	—	—	—
Breakout force			174 kgf (lb)	163 kgf (lb)	166 kgf (lb)	156 kgf (lb)	174 kgf (lb)	163 kgf (lb)
Operating weight			15585 (34,360)	15675 (34,560)	15525 (34,230)	15615 (34,430)	15470 (34,110)	15560 (34,300)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Weight Changes

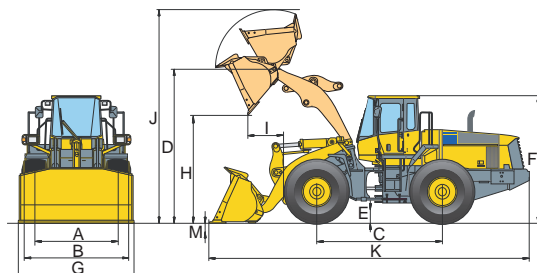
Tires or attachments	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach at 45°		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5 R25 (L2)	-200	-441	-130	-287	-115	-254	0	0"	0	0"	-40	-1.6"
20.5 R25 (L4)	+365	+805	+215	+474	+190	+419	+10	+0.4"	-5	-0.2"	+5	+0.2"
20.5 R25 (L5)	+660	+1,455	+430	+948	+380	+838	0	0"	-25	-1"	+25	+1"
23.5 R25 (L3)	+340	+750	+200	+441	+175	+386	+75	+3"	-60	-2.4"	+60	+2.4"
without additional side counterweight	-240	-529	-440	-970	-363	-800	—	—	—	—	—	—

Performance Data Dimensions

WHEEL LOADERS

WA320-7 (Germany source)

Unit: mm (ft.in)



A Tread	2050 (6'9")
B Width over tires	2580 (8'6")
C Wheelbase	3030 (9'11")
D Hinge pin height, max. height	4010 (13'2")
E Ground clearance	465 (1'6")
F Overall height, ROPS cab	3200 (10'6")
Turning radius at corner of tire	5475 (18'0")

Bucket (with quick coupler)

Measured with 20.5 R25 (L3) tires

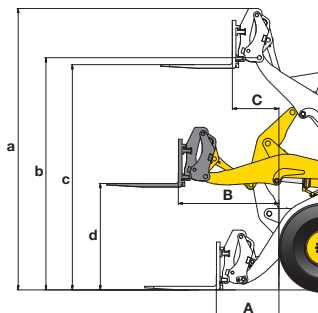
Bucket type			Earthmoving		Stockpile		Universal	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler
Bucket capacity	Heaped	m ³ (yd ³)	2.7 (3.5)	2.9 (3.8)	3.0 (3.9)	3.2 (4.2)	2.6 (3.4)	2.7 (3.5)
	Struck	m ³ (yd ³)	—	—	—	—	—	—
G. Bucket width	mm (ft.in)		2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")
Bucket weight	kg (lb)		1230 (2,712)	1320 (2,910)	1130 (2,491)	1220 (2,690)	1025 (2,260)	1115 (2,458)
Static tipping load	Straight	kg (lb)	10850 (23,920)	10655 (23,490)	10920 (24,070)	10735 (23,670)	11135 (24,550)	10945 (24,130)
	Full turn (40°)	kg (lb)	9275 (20,450)	9090 (20,040)	9350 (20,610)	9175 (20,230)	9550 (21,050)	9370 (20,660)
H. Dumping clearance, max. height and 45° dump angle**	mm (ft.in)		2660 (8'9")	2745 (9'0")	2630 (8'8")	2715 (8'11")	2715 (8'11")	2800 (9'2")
I. Reach at max. height and 45° dump angle**	mm (ft.in)		1315 (4'4")	1185 (3'11")	1345 (4'5")	1215 (4'0")	1260 (4'2")	1135 (3'9")
J. Operating height (fully raised)	mm (ft.in)		5500 (18'1")	5500 (18'1")	5660 (18'7")	5660 (18'7")	5495 (18'0")	5495 (18'0")
K. Overall length, bucket on ground	mm (ft.in)		7875 (25'10")	7840 (25'9")	8010 (26'3")	7885 (25'10")	7895 (25'11")	7770 (25'6")
	Turning radius*		mm (ft.in)	6240 (20'6")	6205 (20'4")	6250 (20'6")	6220 (20'5")	6215 (20'5")
M. Digging depth	0°	mm (ft.in)	95 (3.7")	125 (4.9")	95 (3.7")	125 (4.9")	95 (3.7")	125 (4.9")
	10°	mm (ft.in)	—	—	—	—	—	—
Breakout force	kN		150	142	145	138	159	150
	kgf (lb)		15300 (33,730)	14480 (31,930)	14790 (32,610)	14080 (31,030)	16220 (35,750)	15600 (33,730)
Operating weight	kg (lb)		15945 (35,150)	16035 (35,350)	15845 (34,930)	15935 (35,130)	15740 (34,700)	15830 (34,900)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

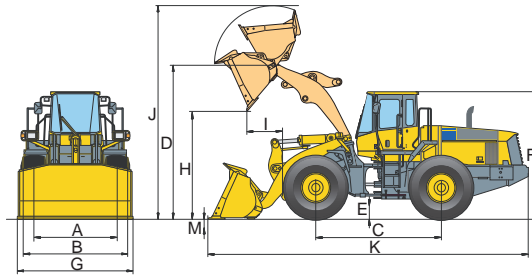
Fork tine length	mm (ft.in)	1200 (3'11")	
A Max. reach at ground level	mm (ft.in)	1015 (3'4")	
B Max. reach	mm (ft.in)	1665 (5'6")	
C Max. reach at max. stacking height	mm (ft.in)	770 (2'6")	
a Max. height fork-carrier	mm (ft.in)	4765 (15'8")	
b Hinge pin height	mm (ft.in)	4010 (13'2")	
c Max. stacking height	mm (ft.in)	3825 (12'7")	
d Height of forks at maximum reach	mm (ft.in)	1815 (5'11")	
Max. static tipping load	Straight	kg (lb)	8870 (19,560)
	Full turn	kg (lb)	7655 (16,880)
Max. payload as per EN 474-3, 80%	kg (lb)	6000 (13,230)	
Max. payload as per EN 474-3, 60%	kg (lb)	4600 (10,140)	
Weight in working order with fork tines	kg (lb)	15055 (33,190)	



**Performance Data
Dimensions**

WHEEL LOADERS

WA320-7 (Germany source)



	Unit: mm (ft.in)
A Tread	2050 (6'9")
B Width over tires	2580 (8'6")
C Wheelbase	3030 (9'11")
D Hinge pin height, max. height	4550 (14'11")
E Ground clearance	425 (1'5")
F Overall height, ROPS cab	3200 (10'6")
Turning radius at corner of tire	5210 (17'1")

Bucket

Measured with 20.5 R25 (L3) tires, high lift boom

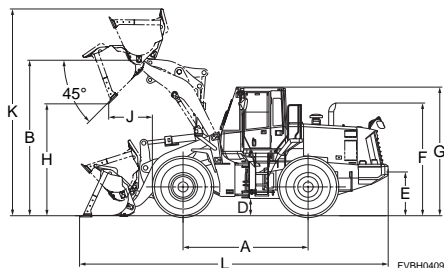
Bucket type			High Lift Boom					
			Earthmoving		Stockpile		Universal	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Direct	Direct	Direct	Direct
Bucket capacity	Heaped	m ³ (yd ³)	2.7 (3.5)	2.9 (3.8)	3.0 (3.9)	3.2 (4.2)	2.7 (3.5)	2.9 (3.8)
	Struck	m ³ (yd ³)	–	–	–	–	–	–
G. Bucket width		mm (ft.in)	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")	2740 (9'0")	2750 (9'0")
Bucket weight		kg (lb)	1325 (2,921)	1415 (3,120)	1265 (2,789)	1355 (2,987)	1210 (2,668)	1300 (2,866)
Static tipping load	Straight	kg (lb)	9375 (20,670)	9195 (20,270)	9380 (20,680)	9225 (20,340)	9470 (20,880)	9290 (20,480)
	Full turn (40°)	kg (lb)	7860 (17,330)	7695 (16,960)	7880 (17,370)	7730 (17,040)	7965 (17,560)	7795 (17,190)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3275 (10'9")	3380 (11'1")	3235 (10'7")	3340 (10'11")	3275 (10'9")	3380 (11'1")
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1230 (4'0")	1105 (3'8")	1270 (4'2")	1145 (3'9")	1230 (4'0")	1105 (3'8")
J. Operating height (fully raised)		mm (ft.in)	5875 (19'3")	5875 (19'3")	6040 (19'10")	6040 (19'10")	5940 (19'6")	5940 (19'6")
K. Overall length, bucket on ground		mm (ft.in)	8435 (27'8")	8295 (27'3")	8490 (27'10")	8350 (27'5")	8435 (27'8")	8295 (27'3")
Turning radius*		mm (ft.in)	6450 (21'2")	6405 (21'0")	6470 (21'3")	6425 (21'1")	6450 (21'2")	6405 (21'0")
M. Digging depth	0°	mm (ft.in)	260 (10.2")	290 (11.4")	260 (10.2")	290 (11.4")	260 (10.2")	290 (11.4")
	10°	mm (ft.in)	–	–	–	–	–	–
Breakout force	kN		180	169	172	161	180	169
	kgf (lb)		18360 (40,480)	17240 (38,000)	17540 (38,680)	16420 (36,200)	18360 (40,480)	17240 (38,000)
Operating weight		kg (lb)	16005 (35,280)	16095 (35,480)	15945 (35,150)	16035 (35,350)	15885 (35,020)	15980 (35,230)

* Bucket at carry, outside corner of bucket
 ** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA320-6 (Japan source)



	Unit: mm (ft.in)
Tread	2050 (6'9")
Width over tires	2590 (8'6")
A Wheelbase	3030 (9'11")
B Hinge pin height, max. height	3905 (12'10")
C Hinge pin height, carry position	480 (1'7")
D Ground clearance	425 (1'5")
E Hitch height	1095 (3'7")
F Overall height, top of the stack	2915 (9'7")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	47°

Measured with 20.5-25-12PR (L3) tires

Bucket type			Stockpile Bucket		Excavating Bucket		Light Material Bucket	
			Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	2.8 (3.7)	2.6 (3.4)	2.3 (3.0)	2.1 (2.7)	3.2 (4.2)	3.0 (3.9)
	Struck	m ³ (yd ³)	2.4 (3.1)	2.2 (2.9)	2.0 (2.6)	1.8 (2.4)	2.8 (3.7)	2.6 (3.4)
Bucket width		mm (ft.in)	2740 (9'0")	2760 (9'1")	2740 (9'0")	2760 (9'1")	2685 (8'10")	2705 (8'10")
Bucket weight		kg (lb)	1235 (2,723)	1130 (2,491)	1195 (2,634)	1090 (2,403)	1420 (3,130)	1315 (2,899)
Static tipping load	Straight	kg (lb)	11670 (25,730)	11795 (26,005)	11735 (25,870)	11850 (26,125)	11595 (25,565)	11700 (25,795)
	Full turn (40°)	kg (lb)	10425 (22,980)	10550 (23,260)	10490 (23,130)	10600 (23,370)	10345 (22,810)	10450 (23,040)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2850 (9'4")	2740 (9'0")	2955 (9'8")	2845 (9'4")	2715 (8'11")	2665 (8'7")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1580 (5'2")	1615 (5'4")	1530 (5'0")	1565 (5'2")	1640 (5'5")	1665 (5'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1040 (3'5")	1125 (3'8")	930 (3'1")	1020 (3'4")	1170 (3'10")	1260 (4'2")
Reach with arm horizontal and bucket level**		mm (ft.in)	2420 (7'11")	2565 (8'5")	2275 (7'6")	2415 (7'11")	2615 (8'7")	2755 (9'0")
K. Operating height (fully raised)		mm (ft.in)	5325 (17'6")	5325 (17'6")	5135 (16'10")	5165 (16'11")	5405 (17'9")	5500 (18'1")
L. Overall length, bucket on ground		mm (ft.in)	7515 (24'8")	7600 (25'2")	7370 (24'2")	7515 (24'8")	7705 (25'3")	7850 (25'9")
Turning radius*		mm (ft.in)	6260 (20'6")	6310 (20'8")	6220 (20'5")	6270 (20'7")	6310 (20'8")	6365 (20'11")
Digging depth	0°	mm (ft.in)	85 (3.3")	100 (3.9")	85 (3.3")	100 (3.9")	85 (3.3")	100 (3.9")
	10°	mm (ft.in)	295 (11.6")	335 (1'1")	275 (10.8")	310 (1'1")	330 (1.1")	370 (1'3")
Breakout force		kN	129	115	148	130	111	100
		kgf (lb)	13180 (29,060)	11700 (25,795)	15140 (33,380)	13210 (29,125)	11280 (24,870)	10180 (22,440)
Operating weight		kg (lb)	13850 (30,535)	13745 (30,305)	13810 (30,450)	13705 (30,215)	14025 (30,920)	13920 (30,690)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

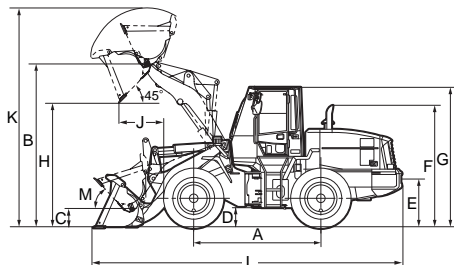
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-210	-463	-165	-364	-164	-364	2590	8'6"	425	1'5"	0	0"
Install ROPS canopy (instead of cab)	-150	-331	-150	-371	-140	-309						
Additional counterweight	+520	+1,146	+1015	+2,238	+870	+1,918						

Performance Data Dimensions

WHEEL LOADERS

WA320-6 (Japan source)



Tread	
Width over tires	
A Wheelbase	
B Hinge pin height, max. height	
C Hinge pin height, carry position	
D Ground clearance	
E Hitch height	
F Overall height, top of the stack	
G Overall height, ROPS cab	
M Tilt back angle	

Unit: mm (ft.in)

High lift Boom	
2050 (6'9")	
2590 (8'6")	
3030 (9'11")	
4545 (14'11")	
645 (2'1")	
425 (1'5")	
1095 (3'7")	
2915 (9'7")	
3200 (10'6")	
50°	

Measured with 20.5-25-12PR (L-3) tires, High Lift Boom

Bucket type			High Lift Boom	
			Excavating Bucket	
			B.O.C.	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	2.3 (3.0)	2.1 (2.7)
	Struck	m ³ (yd ³)	2.0 (2.6)	1.8 (2.4)
Bucket width		mm (ft.in)	2740 (9'0")	2760 (9'1")
Bucket weight		kg (lb)	1195 (2,634)	1090 (2,403)
Static tipping load	Straight	kg (lb)	9390 (20,700)	9540 (21,030)
	Full turn (40°)	kg (lb)	8170 (18,010)	8300 (18,300)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3595 (11'10")	3485 (11'5")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2090 (6'10")	2130 (7'0")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	955 (3'2")	1040 (3'5")
Reach with arm horizontal and bucket level**		mm (ft.in)	2785 (9'2")	2925 (9'7")
K. Operating height (fully raised)		mm (ft.in)	5775 (18'11")	5805 (19'1")
L. Overall length, bucket on ground		mm (ft.in)	8005 (26'3")	8145 (26'9")
Turning radius*		mm (ft.in)	6290 (20'8")	6545 (21'6")
Digging depth	0°	mm (ft.in)	130 (5.1")	150 (5.9")
	10°	mm (ft.in)	315 (12.4")	360 (1'2")
Breakout force		kN	139	122
		kgf	14200	12400
		(lb)	(31,310)	(27,340)
Operating weight		kg	14440	14335
		(lb)	(31,830)	(47,030)

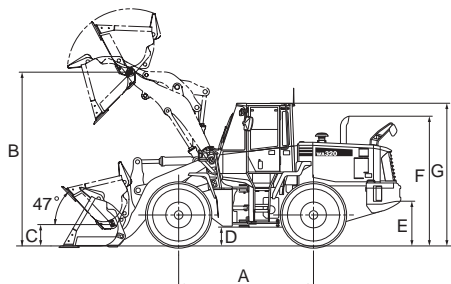
* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA320-6 (Brazil source)



	Unit: mm (ft.in)
Tread	2050 (6'9")
Width over tires	2585 (8'6")
A Wheelbase	3030 (9'11")
B Hinge pin height, max. height	3905 (12'10")
C Hinge pin height, carry position	480 (1'7")
D Ground clearance	425 (1'5")
E Hitch height	1095 (3'7")
F Overall height, top of the stack	2775 (9'1")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	49°

Measured with 20.5-25-12PR (L3) tires

Bucket Type			Stockpile Bucket	Excavating Bucket	Light Material Bucket
			Bolt-on Cutting Edge	Bolt-on Cutting Edge	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.8 (3.7)	2.5 (3.3)	3.2 (4.2)
	Struck	m ³ (yd ³)	2.4 (3.1)	2.2 (2.9)	2.8 (3.7)
Bucket width		mm (ft.in)	2770 (9'1")	2770 (9'1")	2740 (9'0")
Bucket weight		kg (lb)	1240 (2,734)	1190 (2,623)	1430 (3,153)
Static tipping load	Straight	kg (lb)	12200 (26,900)	12240 (26,980)	12010 (26,480)
	Full turn (40°)	kg (lb)	10600 (23,370)	10640 (23,460)	10410 (22,950)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2850 (9'4")	2775 (9'1")	2715 (8'11")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1570 (5'2")	1600 (5'3")	1435 (4'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1035 (3'5")	1090 (3'7")	1170 (3'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	2420 (7'11")	2520 (8'3")	2610 (8'7")
K. Operating height (fully raised)		mm (ft.in)	5330 (17'6")	5300 (17'5")	5415 (17'9")
L. Overall length, bucket on ground		mm (ft.in)	7455 (24'6")	7310 (24'0")	7645 (25'1")
Turning radius*		mm (ft.in)	6090 (20'0")	6030 (19'9")	6165 (20'2")
Digging depth	0°	mm (ft.in)	85 (3.3")	85 (3.3")	85 (3.3")
	10°	mm (ft.in)	296 (11.7")	285 (11.2")	322 (12.7")
Breakout force		kgf (lb)	129.3 13180 (29,060)	148.1 15100 (33,290)	110.6 11,280 (24,870)
Operating weight		kg (lb)	14310 (31,550)	14260 (31,440)	14500 (31,970)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

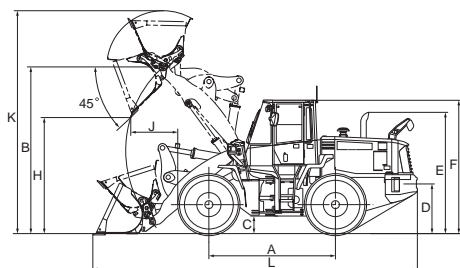
Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-190	-419	-140	-309	-125	-276	2585	8'6"	425	1'5"	0	0"
Additional counterweight	-520	-1146	-1010	-2227	-880	-1940	—	—	—	—	—	—
Air conditioner	-70	-154	-90	-198	-80	-176	—	—	—	—	—	—

Performance Data Dimensions

WHEEL LOADERS

WA320PZ-6 (Japan source)



Unit: mm (ft.in)

Tread	2050 (6'9")
Width over tires	2590 (8'6")
A Wheelbase	3030 (9'11")
B Hinge pin height, max. height	4005 (13'2")
C Ground clearance	425 (1'5")
D Hitch height	1095 (3'7")
E Overall height, top of the stack	2915 (9'7")
F Overall height, ROPS cab	3200 (10'6")

Bucket

Measured with 20.5-25-12PR (L2) tires

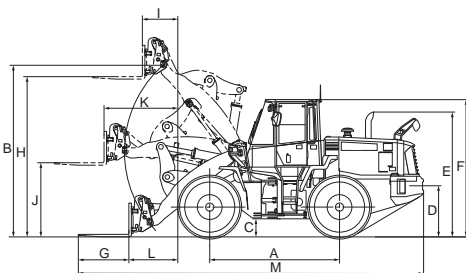
Bucket type		Light Material Bucket with Bolt-on Cutting Edge	
Bucket capacity	Heaped	m ³ (yd ³)	2.7 (3.5)
	Struck	m ³ (yd ³)	2.3 (3.0)
Bucket width		mm (ft.in)	2740 (9'0")
Bucket weight		kg (lb)	1140 (2,510)
Static tipping load	Straight	kg (lb)	10410 (22,950)
	Full turn (40°)	kg (lb)	9160 (20,190)
H. Dumping clearance, max. height and 45° dump angle*		mm (ft.in)	2800 (9'2")
Reach at 2130 mm (7') and 45° dump angle*		mm (ft.in)	1670 (5'6")
J. Reach at max. height and 45° dump angle*		mm (ft.in)	1130 (3'8")
Reach with boom/bucket level*		mm (ft.in)	2655 (8'9")
K. Operating height (fully raised)		mm (ft.in)	5355 (17'7")
L. Overall length, bucket on ground		mm (ft.in)	7770 (25'6")
Digging depth	0°	mm (ft.in)	130 (5.1")
	10°	mm (ft.in)	370 (1'3")
Breakout force		kN/kgf (lb)	141/14410 (31,770)
Operating weight		kg (lb)	15280 (33,690)

* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Fork

Static tipping load - boom level Fork level, 610 mm 24" load center	Straight	kg (lb)	8235 (18,150)
	Full turn (40°)	kg (lb)	7055 (15,550)
Operating weight		kg (lb)	14695 (32,400)
G Fork tine length		mm (ft.in)	1220 (4'0")
H Ground to top of tine at maximum lift		mm (ft.in)	3810 (12'6")
I Reach at maximum lift		mm (ft.in)	835 (2'9")
J Ground to top of Tine - boom and tine level		mm (ft.in)	1795 (5'11")
K Reach - boom and tine level		mm (ft.in)	1730 (5'8")
L Reach - tine level on ground		mm (ft.in)	1100 (3'7")
M Overall Length - tine level on ground		mm (ft.in)	8035 (26'4")
Operating load		kg (lb)	3525 (7,770)



Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

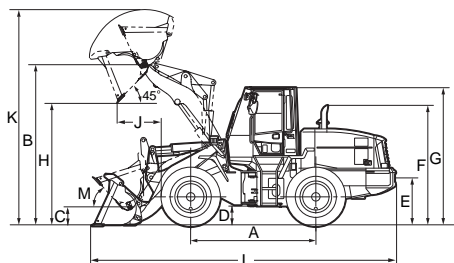
Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
	kg	lb	Straight		Full Turn		mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
			kg	lb	kg	lb								
20.5-25-12PR (L3)	+165	+364	+105	+231	+95	+209	2590	8'6"	425	1'5"	0	0"	0	0"
Install ROPS canopy (instead of cab)	-290	-639	-135	-298	-120	-265								

Performance Data Dimensions

WHEEL LOADERS

WA320-5 (Japan & Thailand source)



	Unit: mm (ft.in)
Tread	2050 (6'9")
Width over tires	2585 (8'6")
A Wheelbase	3030 (9'11")
B Hinge pin height, max. height	3905 (12'10")
C Hinge pin height, carry position	480 (1'7")
D Ground clearance	425 (1'5")
E Hitch height	1095 (3'7")
F Overall height, top of the stack	2775 (9'1")
G Overall height, ROPS cab	3200 (10'6")
M Tilt back angle	49°

Measured with 20.5-25-12PR (L3) tires

Bucket type			Stockpile Bucket With Bolt-on Cutting Edge	Excavating Bucket With Bolt-on Cutting Edge	Light Material Bucket With Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³ (yd ³)	2.8 (3.7)	2.3 (3.0)	3.2 (4.2)
	Struck	m ³ (yd ³)	2.4 (3.1)	2.0 (2.6)	2.8 (3.7)
Bucket width		mm (ft.in)	2740 (9'0")	2740 (9'0")	2740 (9'0")
Bucket weight		kg (lb)	1240 (2,734)	1330 (2,932)	1430 (3,153)
Static tipping load	Straight	kg (lb)	11250 (24,802)	11160 (24,604)	11060 (24,383)
	Full turn (40°)	kg (lb)	9800 (21,605)	9720 (21,429)	9630 (21,230)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2850 (9'4")	2955 (9'8")	2715 (8'11")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1570 (5'2")	1675 (5'6")	1435 (4'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1035 (3'5")	930 (3'1")	1170 (3'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	2420 (7'11")	2275 (7'6")	2610 (8'7")
K. Operating height (fully raised)		mm (ft.in)	5330 (17'6")	5145 (16'11")	5415 (17'9")
L. Overall length, bucket on ground		mm (ft.in)	7455 (24'6")	7310 (24'0")	7645 (25'1")
Turning radius*		mm (ft.in)	6090 (20'0")	6030 (19'9")	6165 (20'2")
Digging depth	0°	mm (ft.in)	85 (3.3")	85 (3.3")	85 (3.3")
	10°	mm (ft.in)	296 (11.7")	275 (10.8")	322 (12.7")
Breakout force		kgf (lb)	13180 (29,057)	15100 (33,290)	11280 (24,868)
Operating weight		kg (lb)	13520 (29,806)	13610 (30,005)	13710 (30,225)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

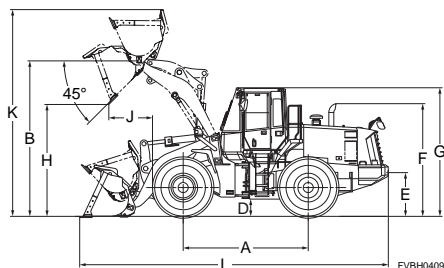
Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-12PR (L2)	-160	-353	-120	-265	-104	-229	2585	8'6"	425	1'5"	0	0"
Install ROPS canopy (instead of cab)	-150	-331	-107	-236	-93	-205						
Additional counterweight	+520	+1,146	+1010	+2,227	+880	+1,940						
Air conditioner	+70	+154	+90	+198	+80	+176						

Performance Data Dimensions

WHEEL LOADERS

WA380-8 (Japan source)



Unit: mm (ft.in)

Tread	2160 (7'1")
Width over tires	2780 (9'1")
A Wheelbase	3300 (10'10")
B Hinge pin height, max. height	4095 (13'5")
C Hinge pin height, carry position	520 (1'8")
D Ground clearance	455 (1'6")
E Hitch height	1150 (3'9")
F Overall height, top of the stack	3100 (10'2")
G Overall height, ROPS cab	3390 (11'1")
M Tilt back angle	50°

Measured with 23.5R25 (L-3) tires, ROPS/FOPS cab

Bucket type			Stockpile Bucket		Excavating Bucket	
			with B.O.C.	with Teeth	with B.O.C.	with Teeth
Bucket capacity	Heaped	m ³ (yd ³)	3.3 (4.3)	3.1 (4.0)	2.9 (3.8)	2.7 (3.5)
	Struck	m ³ (yd ³)	2.9 (3.8)	2.7 (3.5)	2.4 (3.1)	2.3 (3.0)
Bucket width		mm (ft.in)	2905 (9'6")	2920 (9'7")	2905 (9'6")	2920 (9'7")
Bucket weight		kg (lb)	1610 (3,549)	1540 (3,395)	1720 (3,792)	1650 (3,638)
Static tipping load	Straight	kg (lb)	15440 (34,040)	15545 (34,270)	15335 (33,810)	15435 (34,030)
	Full turn (40°)	kg (lb)	13440 (29,630)	13540 (29,850)	13325 (29,380)	13430 (29,610)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2950 (9'8")	2815 (9'3")	3045 (10'0")	2910 (9'7")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1735 (5'8")	1845 (6'1")	1630 (5'4")	1745 (5'9")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1150 (3'9")	1265 (4'2")	1045 (3'5")	1160 (3'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	2590 (8'6")	2770 (9'1")	2450 (8'1")	2630 (8'8")
K. Operating height (fully raised)		mm (ft.in)	5600 (18'5")	5600 (18'5")	5450 (17'11")	5450 (17'11")
L. Overall length, bucket on ground		mm (ft.in)	8310 (27'3")	8490 (27'10")	8170 (26'10")	8350 (27'5")
Turning radius*		mm (ft.in)	7220 (23'8")	7270 (23'10")	7185 (23'7")	7235 (23'9")
Digging depth	0°	mm (ft.in)	60 (2.4")	75 (3.0")	60 (2.4")	75 (3.0")
	10°	mm (ft.in)	290 (11.4")	335 (13.2")	265 (10.4")	310 (12.2")
Breakout force		kN	158	170	175	190
		kgf (lb)	16,100 (35,490)	17,300 (38,140)	17,850 (39,350)	19,335 (42,630)
Operating weight		kg (lb)	18455 (40,690)	18385 (40,530)	18565 (40,930)	18495 (40,770)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight and Dimension Changes

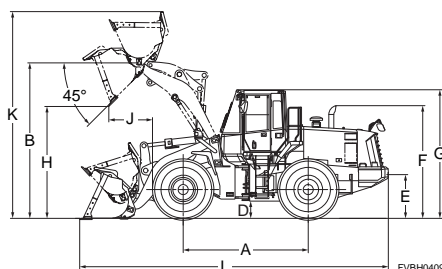
Tires or attachments	Change in Operating Weight		Change in Tipping Load				Overall length	
			Straight		Full Turn			
	kg	lb	kg	lb	kg	lb	mm	ft.in
Remove additional counterweight	-325	-715	-840	-1850	-700	-1540	+175	+6.9"

Performance Data Dimensions

WHEEL LOADERS

WA380-8 (USA source)

Unit: mm (ft.in)



Tread	2160 (7'1")
Width over tires	2780 (9'1")
A Wheelbase	3300 (10'10")
B Hinge pin height, max. height	
Standard boom	4095 (13'5")
High lift boom	4625 (15'2")
C Hinge pin height, carry position	
Standard boom	520 (1'8")
High lift boom	680 (2'3")
D Ground clearance	455 (1'6")
E Hitch height	1150 (3'9")
F Overall height, top of the stack	3100 (10'2")
G Overall height, ROPS cab	3390 (11'1")
M Tilt back angle	50°

Measured with 23.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Standard Boom				High Lift Boom
			Stockpile Bucket	Stockpile Bucket	Excavating Bucket	Excavating Bucket	Stockpile Bucket
			with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	3.3 (4.3)	3.1 (4.0)	2.9 (3.8)	2.7 (3.5)	2.9 (3.8)
	Struck	m ³ (yd ³)	2.9 (3.8)	2.7 (3.5)	2.4 (3.1)	2.3 (3.0)	2.4 (3.1)
Bucket width		mm (ft.in)	2905 (9'6")	2920 (9'7")	2905 (9'6")	2920 (9'7")	2905 (9'6")
Bucket weight		kg (lb)	1610 (3,549)	1540 (3,395)	1720 (3,792)	1650 (3,638)	1528 (3,369)
Static tipping load	Straight	kg (lb)	15440 (34,040)	15545 (34,270)	15335 (33,810)	15435 (34,030)	12055 (26,580)
	Full turn (40°)	kg (lb)	13440 (29,630)	13540 (29,850)	13325 (29,380)	13430 (29,610)	10407 (22,940)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2950 (9'8")	2815 (9'3")	3045 (10'0")	2910 (9'7")	3575 (11'9")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1735 (5'8")	1845 (6'1")	1630 (5'4")	1745 (5'9")	2205 (7'3")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1150 (3'9")	1265 (4'2")	1045 (3'5")	1160 (3'10")	1185 (3'11")
Reach with arm horizontal and bucket level**		mm (ft.in)	2590 (8'6")	2768 (9'1")	2450 (8'1")	2630 (8'8")	2940 (9'8")
K. Operating height (fully raised)		mm (ft.in)	5600 (18'5")	5600 (18'5")	5450 (17'11")	5450 (17'11")	5985 (19'8")
L. Overall length, bucket on ground		mm (ft.in)	8310 (27'3")	8490 (27'10")	8170 (26'10")	8350 (27'5")	8810 (28'11")
Turning radius*		mm (ft.in)	7220 (23'8")	7270 (23'10")	7185 (23'7")	7235 (23'9")	7425 (24'4")
Digging depth	0°	mm (ft.in)	60 (2.4")	75 (3.0")	60 (2.4")	75 (3.0")	110 (4.3")
	10°	mm (ft.in)	290 (11.4")	335 (13.2")	265 (10.4")	310 (12.2")	320 (12.6")
Breakout force		kN	158	170	175	190	183
		kgf (lb)	16,100 (35,490)	17,300 (38,140)	17,850 (39,350)	19,335 (42,630)	18,670 (41,150)
Operating weight		kg (lb)	18455 (40,690)	18385 (40,530)	18565 (40,930)	18495 (40,770)	19020 (41,930)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

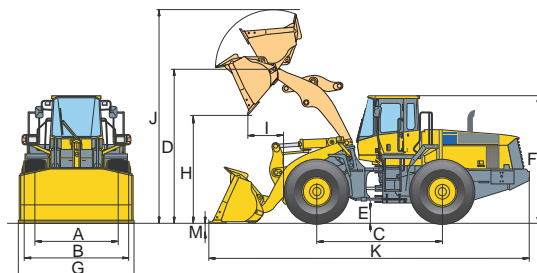
Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove additional counterweight	-325	-715	-840	-1850	-700	-1540

Performance Data Dimensions

WHEEL LOADERS

WA380-8 (Germany source)



Unit: mm (ft.in)

A Tread	2160 (7'1")
B Width over tires	2765 (9'1")
C Wheelbase	3300 (10'10")
D Hinge pin height, max. height	4095 (13'5")
E Ground clearance	455 (1'6")
F Overall height, ROPS cab	3395 (11'2")
Turning radius at corner of tire	6320 (20'9")

Bucket

Measured with 23.5 R25 (XHA) tires

Bucket type			Bucket with raised bottom			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	with B.O.C.	Direct	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	3.2 (4.2)	3.35 (4.4)	3.6 (4.7)	3.75 (4.9)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width			mm (ft.in)	2990 (9'10")	2990 (9'10")	2990 (9'10")
Bucket weight			kg (lb)	1670 (3,682)	1780 (3,924)	1760 (3,880)
Static tipping load	Straight	kg (lb)	15015 (33,100)	14755 (32,530)	14925 (32,900)	14660 (32,320)
	Full turn (40°)	kg (lb)	13110 (28,900)	12865 (28,360)	13025 (28,720)	12771 (28,160)
H. Dumping clearance, max. height and 45° dump angle**			mm (ft.in)	2790 (9'2")	2895 (9'6")	2750 (9'0")
Reach at 2130 mm (7') and 45° dump angle**			mm (ft.in)	–	–	–
I. Reach at max. height and 45° dump angle**			mm (ft.in)	1235 (4'1")	1110 (3'8")	1275 (4'2")
Reach with arm horizontal and bucket level**			mm (ft.in)	–	–	–
J. Operating height (fully raised)			mm (ft.in)	5735 (18'10")	5735 (18'10")	5810 (19'1")
K. Overall length, bucket on ground			mm (ft.in)	8350 (27'5")	8210 (26'11")	8405 (27'7")
Turning radius*			mm (ft.in)	7305 (24'0")	7365 (24'2")	7320 (24'0")
M. Digging depth	0°	mm (ft.in)	90 (3.5")	120 (4.7")	90 (3.5")	120 (4.7")
	10°	mm (ft.in)	–	–	–	–
Breakout force			kN kgf (lb)	164 16730 (36,880)	153 15610 (34,410)	156 15910 (35,080)
Operating weight			kg (lb)	18155 (40,030)	18270 (40,280)	18245 (40,220)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

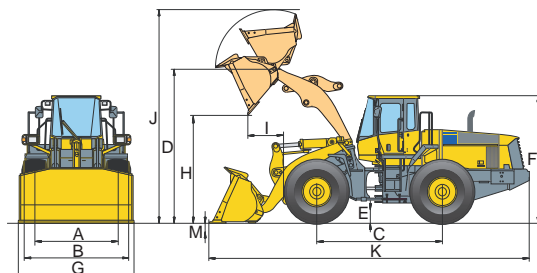
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach		Change in Vertical Dimensions		Overall Length	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
XMINE L5 tires	+720	+1,590	+585	+1,290	+510	+1,125	+35	+1.4"	-25	-1.0"	+45	+1.8"	–	–
Additional counterweight (rear)	+325	+715	+825	+1,820	+690	+1,520	–	–	–	–	–	–	+190	+7.5"
High lift boom (with add. CW)	+755	+1,660	-2705	-5,960	-2490	-5,490	–	–	+140	+5.5"	+530	+1'9"	+595	+1'11"
Add. counterweight (rear + side)	+450	+990	+1070	+2,360	+900	+1,985	–	–	–	–	–	–	+190	+7.5"
Wear protection set	+130	+290	-150	-330	-155	-340	–	–	–	–	–	–	–	–

Performance Data Dimensions

WHEEL LOADERS

WA380-8 (Germany source)



Unit: mm (ft.in)

A Tread	2160 (7'1")
B Width over tires	2765 (9'1")
C Wheelbase	3300 (10'10")
D Hinge pin height, max. height	4095 (13'5")
E Ground clearance	455 (1'6")
F Overall height, ROPS cab	3395 (11'2")
Turning radius at corner of tire	6320 (20'9")

Measured with 23.5 R25 (XHA) tires

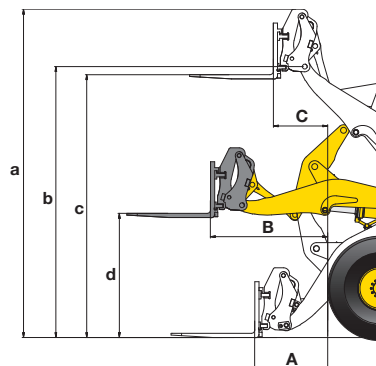
Bucket type			Bucket with flat bottom			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Direct	Direct	Direct	Direct
Bucket capacity	Heaped	m ³ (yd ³)	3.2 (4.2)	3.35 (4.4)	3.6 (4.7)	3.75 (4.9)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2990 (9'10")	2990 (9'10")	2990 (9'10")	2990 (9'10")
Bucket weight		kg (lb)	1710 (3,770)	1820 (4,012)	1799 (3,966)	1911 (4,213)
Static tipping load	Straight	kg (lb)	14920 (32,890)	14670 (32,340)	14830 (32,690)	14566 (32,110)
	Full turn (40°)	kg (lb)	13020 (28,700)	12785 (28,190)	12932 (28,510)	12682 (27,960)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2795 (9'2")	2895 (9'6")	2750 (9'0")	2854 (9'4")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1235 (4'1")	1110 (3'8")	1275 (4'2")	1154 (3'9")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5735 (18'3")	5735 (18'3")	5810 (18'11")	5810 (18'11")
K. Overall length, bucket on ground		mm (ft.in)	8345 (28'4")	8210 (27'11")	8405 (28'6")	8270 (28'1")
Turning radius*		mm (ft.in)	7305 (24'3")	7364 (24'1")	7320 (24'3")	7280 (24'2")
M. Digging depth	0°	mm (ft.in)	90 (3.5")	120 (4.7")	90 (3.5")	120 (4.7")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	164 16720 (36,860)	160 16320 (35,980)	163 16620 (36,640)	158 16110 (35,520)
Operating weight		kg (lb)	18200 (40,120)	18310 (40,370)	18285 (40,310)	18400 (40,560)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Fork

Fork tine length	mm (ft.in)	1500 (4'11")
A Max. reach at ground level	mm (ft.in)	1020 (3'4")
B Max. reach	mm (ft.in)	1680 (5'6")
C Max. reach at max. stacking height	mm (ft.in)	820 (2'8")
a Max. height fork-carrier	mm (ft.in)	4930 (16'2")
b Hinge pin height	mm (ft.in)	4095 (13'5")
c Max. stacking height	mm (ft.in)	3925 (12'11")
d Height of forks at maximum reach	mm (ft.in)	1885 (6'2")
Max. tipping load, straight	kg (lb)	10270 (22,640)
Max. tipping load, articulated	kg (lb)	9180 (20,240)
Max. payload as per EN 474-3, 80%	kg (lb)	7000 (15,430)
Max. payload as per EN 474-3, 60%	kg (lb)	5370 (11,840)
Weight in working order with fork tines	kg (lb)	18165 (40,050)

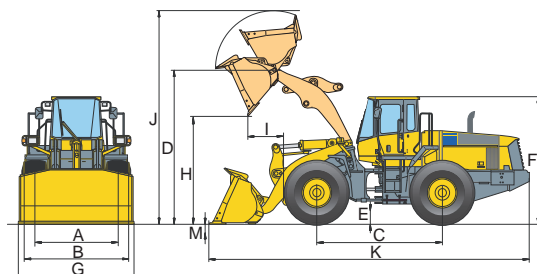


All measurements with 23.5 R25(XHA) tyres and additional counterweight.

Performance Data Dimensions

WHEEL LOADERS

WA380-8 (Germany source)



Unit: mm (ft.in)

A Tread	2160 (7'1")
B Width over tires	2765 (9'1")
C Wheelbase	3300 (10'10")
D Hinge pin height, max. height	4095 (13'5")
E Ground clearance	455 (1'6")
F Overall height, ROPS cab	3395 (11'2")
Turning radius at corner of tire	6320 (20'9")

Bucket

Measured with 23.5 R25 (XHA) tires

Bucket type			Bucket with raised bottom			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler
Bucket capacity	Heaped	m ³ (yd ³)	3.2 (4.2)	3.35 (4.4)	3.6 (4.7)	3.75 (4.9)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2990 (9'10")	2990 (9'10")	2990 (9'10")	2990 (9'10")
Bucket weight		kg (lb)	1545 (3,406)	1655 (3,649)	1635 (3,605)	1745 (3,847)
Static tipping load	Straight	kg (lb)	13710 (30,230)	13470 (29,700)	13685 (30,170)	13425 (29,600)
	Full turn (40°)	kg (lb)	11915 (26,270)	11685 (25,760)	11885 (26,200)	11640 (25,660)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2585 (8'6")	2690 (8'10")	2545 (8'4")	2645 (8'8")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1440 (4'9")	1315 (4'4")	1485 (4'10")	1360 (4'6")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5935 (18'4")	5935 (18'4")	6010 (18'11")	6010 (18'11")
K. Overall length, bucket on ground		mm (ft.in)	8635 (28'4")	8500 (27'11")	8695 (28'6")	8560 (28'1")
Turning radius*		mm (ft.in)	7380 (24'3")	7335 (24'1")	7395 (24'3")	7355 (24'2")
M. Digging depth	0°	mm (ft.in)	90 (3.5")	120 (4.7")	90 (3.5")	120 (4.7")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	132 13460 (29,680)	125 12750 (28,110)	127 12950 (28,560)	120 12240 (26,980)
Operating weight		kg (lb)	18570 (40,940)	18680 (41,180)	18660 (41,140)	18770 (41,380)

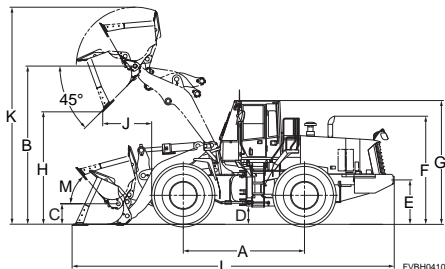
Measured with 23.5 R25 (XHA) tires

Bucket type			Bucket with flat bottom			
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket mount			Quick Coupler	Quick Coupler	Quick Coupler	Quick Coupler
Bucket capacity	Heaped	m ³ (yd ³)	3.2 (4.2)	3.35 (4.4)	3.6 (4.7)	3.75 (4.9)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2990 (9'10")	2990 (9'10")	2990 (9'10")	2990 (9'10")
Bucket weight		kg (lb)	1615 (3,803)	1725 (3,649)	1705 (3,759)	1815 (4,001)
Static tipping load	Straight	kg (lb)	13645 (30,080)	13405 (29,550)	13550 (29,870)	13310 (29,340)
	Full turn (40°)	kg (lb)	11850 (26,130)	11620 (25,620)	11755 (25,920)	11530 (25,420)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2585 (8'6")	2690 (8'10")	2545 (8'4")	2645 (8'8")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1440 (4'9")	1315 (4'4")	1485 (4'10")	1360 (4'6")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5575 (18'3")	5575 (18'3")	6010 (18'11")	6010 (18'11")
K. Overall length, bucket on ground		mm (ft.in)	8638 (28'4")	8500 (27'11")	8698 (28'6")	8560 (28'1")
Turning radius*		mm (ft.in)	7380 (24'3")	7335 (24'1")	7395 (24'3")	7355 (24'2")
M. Digging depth	0°	mm (ft.in)	90 (3.5")	120 (4.7")	90 (3.5")	120 (4.7")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	132 13460 (29,680)	125 12750 (28,110)	127 12950 (28,560)	120 12240 (26,980)
Operating weight		kg (lb)	18640 (41,090)	18755 (41,350)	18730 (41,290)	18840 (41,540)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

WA380-7 (Japan source)



	Unit: mm (ft.in)
Tread	2160 (7'1")
Width over tires	2780 (9'1")
A Wheelbase	3300 (10'10")
B Hinge pin height, max. height	4095 (13'5")
C Hinge pin height, carry position	520 (1'8")
D Ground clearance	455 (1'6")
E Hitch height	1150 (3'9")
F Overall height, top of the stack	3145 (10'4")
G Overall height, ROPS cab	3390 (11'1")
M Tilt back angle	50°

Measured with 23.5R25 (L-3) tires, ROPS/FOPS cab

Bucket type			Stockpile Bucket		Excavating Bucket	
			with B.O.C.	with Teeth	with B.O.C.	with Teeth
Bucket capacity	Heaped	m ³ (yd ³)	3.3 (4.3)	3.1 (4.0)	2.9 (3.8)	2.7 (3.5)
	Struck	m ³ (yd ³)	2.9 (3.8)	2.7 (3.5)	2.4 (3.1)	2.3 (3.0)
Bucket width		mm (ft.in)	2905 (9'6")	2920 (9'7")	2905 (9'6")	2920 (9'7")
Bucket weight		kg (lb)	1605 (3,538)	1565 (3,450)	1715 (3,780)	1675 (3,693)
Static tipping load	Straight	kg (lb)	15565 (34,310)	15680 (34,570)	15450 (34,060)	15560 (34,300)
	Full turn (40°)	kg (lb)	13295 (29,310)	13360 (29,450)	13180 (29,060)	13245 (29,200)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2950 (9'8")	2815 (9'3")	3045 (10'0")	2910 (9'7")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1735 (5'8")	1845 (6'1")	1630 (5'4")	1745 (5'9")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1150 (3'9")	1265 (4'2")	1045 (3'5")	1160 (3'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	2590 (8'6")	2770 (9'1")	2450 (8'1")	2630 (8'8")
K. Operating height (fully raised)		mm (ft.in)	5600 (18'5")	5600 (18'5")	5450 (17'11")	5450 (17'11")
L. Overall length, bucket on ground		mm (ft.in)	8280 (27'2")	8460 (27'9")	8140 (26'8")	8320 (27'4")
Turning radius*		mm (ft.in)	7220 (23'8")	7270 (23'10")	7185 (23'7")	7235 (23'9")
Digging depth	0°	mm (ft.in)	60 (2.4")	75 (3.0")	60 (2.4")	75 (3.0")
	10°	mm (ft.in)	290 (11.4")	335 (13.2")	265 (10.4")	310 (12.2")
Breakout force		kN	158	170	175	190
		kgf (lb)	16,100 (35,490)	17,300 (38,140)	17,850 (39,350)	19,335 (42,630)
Operating weight		kg (lb)	18155 (40,020)	18115 (39,940)	18265 (40,270)	18225 (59,800)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

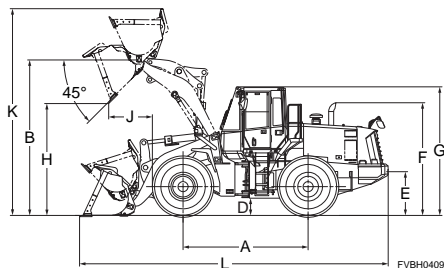
Weight and Dimension Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove additional counterweight	-325	-715	-840	-1850	-700	-1540

Performance Data Dimensions

WHEEL LOADERS

WA380-6 (Japan source)



Unit: mm (ft.in)

Tread	2160 (7'1")
Width over tires	2695 (8'10")
A Wheelbase	3300 (10'10")
B Hinge pin height, max. height	4030 (13'3")
C Hinge pin height, carry position	520 (1'8")
D Ground clearance	390 (1'3")
E Hitch height	1085 (3'7")
F Overall height, top of the stack	2885 (9'6")
G Overall height, ROPS cab	3315 (10'11")
M Tilt back angle	50°

Measured with 20.5-25-16PR (L3) tires

Bucket type			Stockpile Buckets		Excavating Buckets			Light Material Bucket
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges
Bucket capacity	Heaped	m ³ (yd ³)	3.3 (4.3)	3.1 (4.1)	2.9 (3.8)	2.9 (3.8)	2.7 (3.5)	4.0 (5.2)
	Struck	m ³ (yd ³)	2.9 (3.8)	2.7 (3.5)	2.4 (3.1)	2.4 (3.1)	2.3 (3.0)	3.4 (4.4)
Bucket width		mm (ft.in)	2905 (9'6")	2925 (9'7")	2905 (9'6")	2925 (9'7")	2925 (9'7")	2905 (9'6")
Bucket weight		kg (lb)	1620 (3,570)	1540 (3,395)	1720 (3,790)	1765 (3,890)	1645 (3,627)	1835 (4,045)
Static tipping load	Straight	kg (lb)	13880 (30,600)	13970 (30,800)	13780 (30,380)	13710 (30,230)	13870 (30,580)	13640 (30,070)
	Full turn	kg (lb)	12000 (26,460)	12100 (26,680)	11900 (26,230)	11840 (26,100)	12000 (26,460)	11770 (25,950)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2885 (9'6")	2755 (9'0")	2960 (9'9")	2840 (9'4")	2840 (9'4")	2790 (9'2")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	1210 (4'0")	1305 (4'3")	1125 (3'8")	1225 (4'0")	1225 (4'0")	1295 (4'3")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1760 (5'9")	1790 (5'10")	1720 (5'8")	1755 (5'9")	1755 (5'9")	1800 (5'11")
Reach with arm horizontal and bucket level		mm (ft.in)	2650 (8'8")	2810 (9'3")	2510 (8'3")	2680 (8'10")	2680 (8'10")	2775 (9'1")
K. Operating height (fully raised)		mm (ft.in)	5535 (18'2")	5535 (18'2")	5420 (17'9")	5420 (17'9")	5420 (17'9")	5670 (18'7")
L. Overall length		mm (ft.in)	8195 (26'11")	8365 (27'5")	8055 (26'5")	8225 (27'0")	8225 (27'0")	8320 (27'4")
Turning radius		mm (ft.in)	7220 (23'8")	7275 (23'10")	7185 (23'7")	7240 (23'9")	7240 (23'9")	7250 (23'9")
Digging depth	0°	mm (ft.in)	125 (4.9")	140 (5.5")	125 (4.9")	140 (5.5")	140 (5.5")	125 (4.9")
	10°	mm (ft.in)	360 (14'2")	400 (15'7")	335 (13'2")	380 (15'0")	380 (15'0")	380 (15'0")
Breakout force		kN kgf (lb)	158 16100 (35,495)	170 17300 (38,140)	176.5 18000 (39,680)	183 18700 (41,225)	191 19500 (42,990)	144 14700 (32,405)
Operating weight		kg (lb)	16610 (36,620)	16540 (36,460)	16720 (36,860)	16760 (36,950)	16650 (36,710)	16850 (37,150)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
Apply the following weight changes to operating weight and static tipping load.

Weight Changes

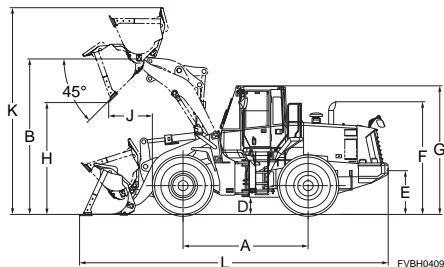
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-16PR (L3)	0	0	0	0	0	0	2,695	8'10"	390	1'3"	0	0"
23.5-25-16PR (L3)	+970	+2,140	+770	+1,700	+680	+1,500	2,780	9'1"	455	1'6"	+65	3"
Install additional counterweight	+340	+750	+900	+1,985	+755	+1,655						

Performance Data Dimensions

WHEEL LOADERS

WA380-6 (China source)

Unit: mm



Tread	2160
Width over tires	2780
A Wheelbase	3300
B Hinge pin height, max. height	4095
C Hinge pin height, carry position	520
D Ground clearance	455
E Hitch height	1150
F Overall height, top of the stack	2975
G Overall height, ROPS cab	3395
M Tilt back angle	50°

Measured with 23.5-25-16PR (L3) tires

Bucket type			Stockpile Buckets			Excavating Buckets			Light Material Bucket
			Bolt-on Cutting Edge	Teeth and Segment	Teeth	Bolt-on Cutting Edge	Teeth and Segment	Teeth	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³	3.3	3.3	3.1	2.9	2.9	2.7	4.0
	Struck	m ³	2.9	2.9	2.7	2.4	2.4	2.3	3.4
Bucket width		mm	2905	2915	2915	2905	2915	2915	2905
Bucket weight		kg	1620	1665	1540	1720	1765	1645	1835
Static tipping load	Straight	kg	14790	14630	14940	14710	14670	14850	14450
	Full turn (40°)	kg	13030	12990	13170	12950	12900	13080	12700
H. Dumping clearance, max. height and 45° dump angle**		mm	2945	2820	2820	3045	2920	2920	2855
J. Reach at max. height and 45° dump angle**		mm	1150	1245	1245	1050	1150	1150	1240
K. Operating height (fully raised)		mm	5590	5590	5590	5485	5485	5485	5735
L. Overall length, bucket on ground		mm	8140	8300	8300	8000	8160	8160	8265
Turning radius*		mm	7220	7270	7270	7150	7230	7230	7250
Digging depth	0°	mm	60	75	75	60	75	75	60
	10°	mm	290	335	335	265	310	310	315
Breakout force		kN	158	162	170	178	183	193	144
		kgf	16100	16500	17400	18100	18600	19700	14700
Operating weight		kg	17570	17610	17500	17710	17750	17640	17830

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

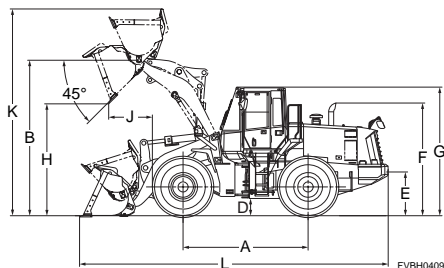
Weight Changes

Tires or attachment	Change in Operating Weight	Change in Tipping Load		Width Over Tire	Ground Clearance	Change in Vertical Dimensions
		Straight	Full Turn			
	kg	kg	kg	mm	mm	mm
20.5-25-16PR (L3)	-970	-770	-680	2695	390	-65
Install additional counterweight	+340	+900	+755			

Performance Data Dimensions

WHEEL LOADERS

WA380Z-6 (Japan source)



Unit: mm (ft.in)

Tread	2160 (7'1")
Width over tires	2780 (9'1")
A Wheelbase	3300 (10'10")
B Hinge pin height, max. height	4095 (13'5")
C Hinge pin height, carry position	520 (1'8")
D Ground clearance	455 (1'6")
E Hitch height	1150 (3'9")
F Overall height, top of the stack	2975 (9'9")
G Overall height, ROPS cab	3390 (11'2")
M Tilt back angle	50°

Measured with 23.5-25-16PR (L3) tires, ROPS/FOPS cab

Bucket type			Stockpile Buckets		Excavating Buckets			Light Material Bucket
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges
Bucket capacity	Heaped	m ³ (yd ³)	3.3 (4.3)	3.1 (4.1)	2.9 (3.8)	2.9 (3.8)	2.7 (3.5)	4.0 (5.2)
	Struck	m ³ (yd ³)	2.9 (3.8)	2.7 (3.5)	2.4 (3.1)	2.4 (3.1)	2.3 (3.0)	3.4 (4.4)
Bucket width		mm (ft.in)	2905 (9'6")	2925 (9'7")	2905 (9'6")	2925 (9'7")	2925 (9'7")	2905 (9'6")
Bucket weight		kg (lb)	1620 (3,571)	1540 (3,395)	1720 (3,792)	1765 (3,891)	1645 (3,627)	1835 (4,045)
Static tipping load	Straight	kg (lb)	14415 (31,780)	14560 (32,100)	14360 (31,660)	14335 (31,600)	14485 (31,930)	14075 (31,030)
	Full turn	kg (lb)	12470 (27,490)	12610 (27,800)	12410 (27,360)	12380 (27,290)	12530 (27,620)	12140 (26,760)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2950 (9'8")	2825 (9'3")	3025 (9'11")	2905 (9'6")	2905 (9'6")	2855 (9'4")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	1730 (5'8")	1765 (5'9")	1675 (5'6")	1715 (5'8")	1715 (5'8")	1755 (5'9")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1150 (3'9")	1240 (4'1")	1045 (3'5")	1140 (3'9")	1140 (3'9")	1220 (4'0")
Reach with arm horizontal and bucket level		mm (ft.in)	2585 (8'6")	2450 (8'0")	2445 (8'0")	2615 (8'7")	2615 (8'7")	2710 (8'11")
K. Operating height (fully raised)		mm (ft.in)	5600 (18'4")	5600 (18'4")	5485 (18'0")	5485 (18'0")	5485 (18'0")	5735 (18'10")
L. Overall length		mm (ft.in)	8140 (26'8")	8295 (27'3")	8000 (26'3")	8155 (26'9")	8155 (26'9")	8265 (27'1")
Turning radius		mm (ft.in)	7210 (23'8")	7260 (23'10")	7175 (23'6")	7185 (23'7")	7225 (23'8")	7240 (23'9")
Digging depth	0°	mm (ft.in)	60 (2.4")	75 (3.0")	60 (2.4")	75 (3.0")	75 (3.0")	60 (2.4")
	10°	mm (ft.in)	290 (11.4")	335 (11'1")	270 (10.6")	315 (12.4")	315 (12.4")	315 (12.4")
Breakout force		kN kgf (lb)	158 16100 (35,490)	170 17300 (38,140)	176 18000 (39,680)	183 18700 (41,230)	191 19500 (42,990)	144 14700 (32,410)
Operating weight		kg (lb)	17200 (37,920)	17130 (37,760)	17300 (38,140)	17350 (38,250)	17230 (37,990)	17420 (38,400)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

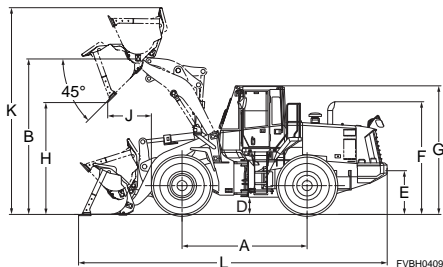
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-16PR (L3)	-970	-2138	-770	-1698	-680	-1499	2695	8'10"	390	1'3"	-65	-2.6"
Install additional counterweight	+340	+750	+900	+1984	+755	+1664						

Performance Data Dimensions

WHEEL LOADERS

WA380Z-6 (China source)

Unit: mm



Tread	2160
Width over tires	2780
A Wheelbase	3300
B Hinge pin height, max. height	4095
C Hinge pin height, carry position	520
D Ground clearance	455
E Hitch height	1150
F Overall height, top of the stack	2975
G Overall height, ROPS cab	3395
M Tilt back angle	50°

Measured with 23.5-25-16PR (L3) tires

Bucket type			Standard Boom			Semi High Lift Boom				
			Stockpile Buckets			Excavating Buckets			Light Material Buckets	
			Teeth	Teeth and Segment	Bolt-on Cutting Edge	Teeth	Teeth and Segment	Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³	3.1	3.3	3.3	2.8	3.0	3.0	3.6	3.8
	Struck	m ³	2.7	2.9	2.9	2.4	2.6	2.6	3.2	3.4
Bucket width		mm	2915	2915	2905	2915	2915	2905	2915	2905
Bucket weight		kg	1540	1665	1620	1480	1585	1560	1730	1810
Static tipping load	Straight	kg	14480	14290	14320	13130	12950	12970	12790	12650
	40° full turn	kg	12540	12370	12400	11200	11060	11070	10920	10790
H. Dumping clearance, max. height and 45° dump angle**		mm	2820	2820	2945	3100	3100	3225	2925	3045
J. Reach at max. height and 45° dump angle**		mm	1245	1245	1150	1170	1170	1075	1350	1250
K. Operating height (fully raised)		mm	5600	5600	5600	5680	5680	5680	5910	5910
L. Overall length, bucket on ground		mm	8300	8300	8140	8360	8360	8205	8610	8455
Turning radius*		mm	7265	7265	7215	7315	7315	7245	7390	7320
M. Digging depth	0°	mm	75	75	60	75	75	60	75	60
	10°	mm	335	335	290	315	315	270	360	315
Breakout force		kN kgf	171 17410	162 16500	158 16100	187 19100	177 18070	172 17580	151 15430	141 14430
Operating weight		kg	16900	17010	16980	17010	17120	17090	17260	17340

Bucket type			High Lift Boom			
			Excavating Buckets		Light Material Buckets	
			Teeth	Bolt-on Cutting Edge	Teeth	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³	2.7	2.9	3.4	3.6
	Struck	m ³	2.3	2.5	3.0	3.2
Bucket width		mm	2915	2905	2915	2905
Bucket weight		kg	1475	1555	1650	1730
Static tipping load	Straight	kg	11590	11450	11280	11150
	40° full turn	kg	9890	9770	9630	9520
H. Dumping clearance, max. height and 45° dump angle**		mm	3450	3575	3305	3430
J. Reach at max. height and 45° dump angle**		mm	1290	1190	1435	1335
K. Operating height (fully raised)		mm	5985	5985	6205	6205
L. Overall length, bucket on ground		mm	8915	8760	9120	8965
Turning radius*		mm	7450	7375	7565	7485
M. Digging depth	0°	mm	130	115	130	115
	10°	mm	365	320	405	360
Breakout force		kN kgf	184 18730	169 17200	153 15630	143 14550
Operating weight		kg	17520	17600	17700	17780

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

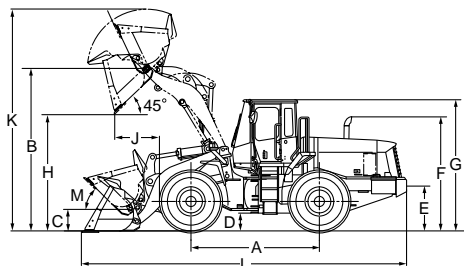
Weight Changes

Tires or attachment	Change in Operating Weight	Change in Tipping Load		Width Over Tire	Ground Clearance	Change in Vertical Dimensions
		Straight	Full Turn			
	kg	kg	kg	mm	mm	mm
20.5-25-16PR (L3)	-970	-770	-680	2695	390	-65
Install additional counterweight	+340	+900	+755			

Performance Data Dimensions

WHEEL LOADERS

WA380-5 (Japan source)



Unit: mm (ft.in)

Tread	2160 (7'1")
Width over tires	2695 (8'10")
A Wheelbase	3300 (10'10")
B Hinge pin height, max. height	4030 (13'3")
C Hinge pin height, carry position	520 (1'8")
D Ground clearance	390 (1'3")
E Hitch height	1085 (3'7")
F Overall height, top of the stack	2885 (9'6")
G Overall height, ROPS cab	3315 (10'11")
M Tilt back angle	50°

Measured with 20.5-25-16PR (L3) tires

Bucket type			Stockpile Buckets		Excavating Buckets			Light Material Bucket
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges
Bucket capacity	Heaped	m ³ (yd ³)	3.3 (4.3)	3.1 (4.1)	2.9 (3.8)	2.9 (3.8)	2.7 (3.5)	4.0 (5.2)
	Struck	m ³ (yd ³)	2.9 (3.8)	2.7 (3.5)	2.4 (3.1)	2.4 (3.1)	2.3 (3.0)	3.4 (4.4)
Bucket width		mm (ft.in)	2905 (9'6")	2925 (9'7")	2905 (9'6")	2925 (9'7")	2925 (9'7")	2905 (9'6")
Bucket weight		kg (lb)	1645 (3,627)	1570 (3,461)	1720 (3,792)	1765 (3,891)	1645 (3,627)	1835 (4,045)
Static tipping load	Straight	kg (lb)	12880 (28,395)	12955 (28,561)	12805 (28,230)	12760 (28,131)	12880 (28,395)	12690 (27,976)
	40° full turn	kg (lb)	11200 (24,692)	11275 (24,857)	11125 (24,526)	11080 (24,427)	11200 (24,692)	11010 (24,273)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2885 (9'6")	2755 (9'0")	2960 (9'9")	2840 (9'4")	2840 (9'4")	2790 (9'2")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	1760 (5'9")	1790 (5'10")	1720 (5'8")	1755 (5'9")	1755 (5'9")	1800 (5'11")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1210 (4'0")	1305 (4'3")	1125 (3'8")	1225 (4'0")	1225 (4'0")	1295 (4'3")
Reach with arm horizontal and bucket level		mm (ft.in)	2650 (8'8")	2810 (9'3")	2535 (8'4")	2695 (8'10")	2695 (8'10")	2775 (9'1")
K. Operating height (fully raised)		mm (ft.in)	5520 (18'1")	5520 (18'1")	5405 (17'9")	5405 (17'9")	5405 (17'9")	5655 (18'7")
L. Overall length		mm (ft.in)	8195 (26'11")	8350 (27'5")	8080 (26'6")	8235 (27'0")	8235 (27'0")	8320 (27'4")
Turning radius		mm (ft.in)	6580 (21'7")	6635 (21'9")	6545 (21'6")	6600 (21'8")	6600 (21'8")	6610 (21'8")
Digging depth	0°	mm (ft.in)	125 (4.9")	140 (5.5")	125 (4.9")	140 (5.5")	140 (5.5")	125 (4.9")
	10°	mm (ft.in)	360 (1'2")	400 (1'4")	335 (1'1")	380 (1'3")	380 (1'3")	380 (1'3")
Breakout force		kN	148	160	163	168	177	135
		kgf (lb)	15080 (33,245)	16315 (35,968)	16621 (36,642)	17131 (37,766)	18048 (39,789)	13766 (30,348)
Operating weight		kg (lb)	16230 (35,781)	16160 (35,626)	16310 (35,957)	16350 (36,045)	16230 (35,781)	16420 (36,200)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

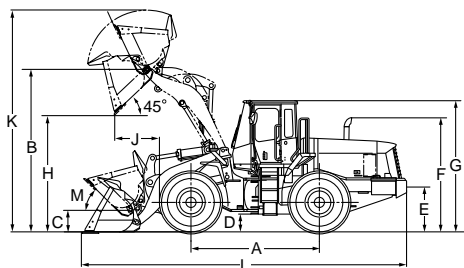
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-16PR (L3)	0	0	0	0	0	0	2,695	8'10"	390	1'3"	0	0"
23.5-25-16PR (L3)	+1080	+2,381	+740	+1,632	+650	+1,433	2,780	9'1"	460	1'6"	+65	2.6"
Remove ROPS cab	-660	-1,455	-650	-1,433	-625	-1,378						
Install front/rear compartment	+120	+265	+120	+265	+115	+254						
Install additional counterweight	+325	+717	+860	+1,896	+715	+1,577						

Performance Data Dimensions

WHEEL LOADERS

WA380-5 (Japan source)



	Unit: mm (ft.in)
Tread	2160 (7'1")
Width over tires	2695 (8'10")
A Wheelbase	3330 (10'10")
B Hinge pin height, max. height	4560 (15'0")
C Hinge pin height, carry position	685 (2'3")
D Ground clearance	390 (1'3")
E Hitch height	1085 (3'7")
F Overall height, top of the stack	2885 (9'6")
G Overall height, ROPS cab	3315 (10'15")
M Tilt back angle	50°

Measured with 20.5-25-16PR (L3) tires, with high lift (boom)

Bucket type			High-lift Bucket With Bolt-on Cutting Edge	High-lift Bucket With Teeth
Bucket capacity	Heaped	m ³ (yd ³)	2.9 (3.8)	2.7 (3.5)
	Struck	m ³ (yd ³)	2.4 (3.1)	2.3 (3.0)
Bucket width		mm (ft.in)	2905 (9'6")	2915 (9'7")
Bucket weight		kg (lb)	1720 (3,792)	1645 (3,627)
Static tipping load	Straight	kg (lb)	12020 (26,500)	12105 (26,685)
	Full turn (40°)	kg (lb)	10460 (23,060)	10535 (23,225)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3510 (11'6")	3400 (11'2")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	2240 (7'4")	2305 (7'7")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1250 (4'1")	1360 (4'6")
Reach with arm horizontal and bucket level		mm (ft.in)	3000 (9'10")	3155 (10'4")
Operating height (fully raised)		mm (ft.in)	5920 (19'5")	5920 (19'5")
Overall length		mm (ft.in)	8800 (28'10")	8955 (29'5")
Turning radius*		mm (ft.in)	6800 (22'4")	6855 (22'6")
Digging depth	0°	mm (ft.in)	180 (7")	195 (8")
	10°	mm (ft.in)	385 (1'3")	415 (1'4")
Breakout force		kN	161.5	176
		kgf	16470	17950
		(lb)	(36,310)	(39,570)
Operating weight		kg (lb)	17200 (37,920)	17125 (37,750)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

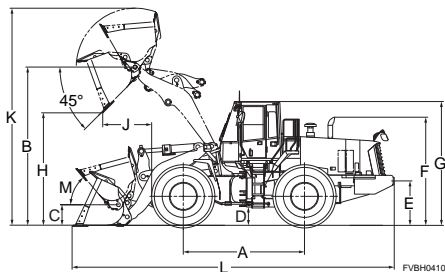
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
20.5-25-16PR (L3)	0	0	0	0	0	0	2695	8'10"	390	1'3"	0	0"
23.5-25-16PR (L3)	+1080	+2,381	+740	+1,632	+650	+1,433	2780	9'1"	460	1'6"	+65	+2.6"
Remove ROPS cab	-660	-1,455	-650	-1,433	-625	-1,378						
Install front/rear compartment	+120	+265	+120	+265	+115	+254						
Install additional counterweight	+325	+717	+860	+1,896	+715	+1,577						

Performance Data Dimensions

WHEEL LOADERS

WA430-6 (Japan source)



	Unit: mm (ft.in)
Tread	2200 (7'3")
Width over tires	2820 (9'3")
A Wheelbase	3300 (10'10")
B Hinge pin height, max. height	4165 (13'8")
C Hinge pin height, carry position	520 (1'8")
D Ground clearance	455 (1'6")
E Hitch height	1150 (3'9")
F Overall height, top of the stack	2940 (9'8")
G Overall height, ROPS cab	3390 (11'1")
M Tilt back angle	46°

Measured with 20.5-25-16PR (L3) tires

Bucket type			Stockpile Buckets		Excavating Buckets			Light Material Bucket
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges
Bucket capacity	Heaped	m ³ (yd ³)	3.5 (4.6)	3.3 (4.3)	3.3 (4.3)	3.3 (4.3)	3.1 (4.1)	4.6 (6.0)
	Struck	m ³ (yd ³)	3.0 (3.9)	2.8 (3.7)	2.8 (3.7)	2.8 (3.7)	2.6 (3.4)	4.0 (5.2)
Bucket width		mm (ft.in)	3050 (10'0")	3065 (10'1")	3050 (10'0")	3065 (10'1")	3065 (10'1")	3050 (10'0")
Bucket weight		kg (lb)	1735 (3,820)	1665 (3,670)	1810 (3,990)	1870 (4,120)	1740 (3,840)	1990 (4,390)
Static tipping load	Straight	kg (lb)	13980 (30,820)	14320 (31,570)	13955 (30,770)	13885 (30,610)	14150 (31,200)	13665 (30,130)
	Full turn (40°)	kg (lb)	12990 (28,640)	13280 (29,280)	12985 (28,630)	12940 (28,530)	13145 (28,980)	12785 (28,190)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3020 (9'11")	2895 (9'6")	3090 (10'2")	2970 (9'9")	2970 (9'9")	2870 (9'5")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	1835 (6'0")	1870 (6'2")	1795 (5'11")	1835 (6'0")	1835 (6'0")	1910 (6'3")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1190 (3'11")	1290 (4'3")	1120 (3'8")	1215 (4'0")	1215 (4'0")	1340 (4'5")
Reach with arm horizontal and bucket level		mm (ft.in)	2685 (8'10")	2840 (9'4")	2580 (8'6")	2735 (9'0")	2735 (9'0")	2895 (9'6")
K. Operating height (fully raised)		mm (ft.in)	5645 (18'6")	5645 (18'6")	5590 (18'4")	5590 (18'4")	5590 (18'4")	5945 (19'6")
L. Overall length		mm (ft.in)	8305 (27'3")	8460 (27'9")	8200 (26'11")	8355 (27'5")	8355 (27'5")	8515 (27'11")
Turning radius*		mm (ft.in)	7335 (24'1")	7380 (24'3")	7295 (23'11")	7350 (24'1")	7350 (24'1")	7380 (24'3")
Digging depth	0°	mm (ft.in)	120 (4.7")	135 (5.3")	120 (4.7")	135 (5.3")	135 (5.3")	120 (4.7")
	10°	mm (ft.in)	350 (1'2")	395 (1'4")	330 (1'1")	375 (1'3")	375 (1'3")	385 (1'3")
Breakout force		kN kgf (lb)	180 18400 (40,565)	194 19800 (43,650)	196 20000 (44,090)	198 20200 (44,530)	213 21700 (47,840)	155 15800 (34,830)
Operating weight		kg (lb)	18290 (40,320)	18220 (40,170)	18365 (40,490)	18425 (40,620)	18295 (40,330)	18545 (40,880)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

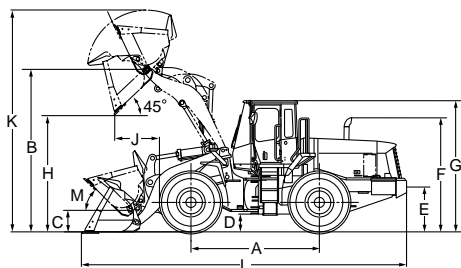
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
23.5-25-16PR (L3)	0	0	0	0	0	0	2820	9'3"	455	1'6"	0	0"
26.5-25-16PR (L3)	+420	+925	+330	+730	+290	+640	2940	9'8"	620	2'0"	+65	+2.6"
Install additional counterweight	+340	+750	+860	+1,900	+720	+1,590						

Performance Data Dimensions

WHEEL LOADERS

WA430-5 (Japan source)



	Unit: mm (ft.in)
Tread	2200 (7'3")
Width over tires	2820 (9'3")
A Wheelbase	3350 (11'0")
B Hinge pin height, max. height	4250 (13'11")
C Hinge pin height, carry position	520 (1'8")
D Ground clearance	460 (1'6")
E Hitch height	1150 (3'9")
F Overall height, top of the stack	2965 (9'9")
G Overall height, ROPS cab	3380 (11'1")
M Tilt back angle	50°

Measured with 20.5-25-16PR (L3) tires

Bucket type			Stockpile Buckets		Excavating Buckets			Light Material Bucket	Rock Bucket
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	3.7 (4.8)	3.5 (4.6)	3.3 (4.3)	3.3 (4.3)	3.1 (4.1)	4.6 (6.0)	3.1 (4.1)
	Struck	m ³ (yd ³)	3.2 (4.2)	3.0 (3.9)	2.8 (3.7)	2.8 (3.7)	2.6 (3.4)	4.0 (5.2)	2.7 (3.5)
Bucket width		mm (ft.in)	3050 (10'0")	3065 (10'1")	3050 (10'0")	3065 (10'1")	3065 (10'1")	3050 (10'0")	3050 (10'0")
Bucket weight		kg (lb)	1745 (3,847)	1670 (3,682)	1835 (4,045)	1885 (4,156)	1760 (3,880)	1980 (4,365)	1830 (4,034)
Static tipping load	Straight	kg (lb)	13800 (30,423)	13875 (30,589)	13710 (30,225)	13660 (30,115)	13785 (30,390)	13565 (29,905)	13715 (30,236)
	Full turn (40°)	kg (lb)	12000 (26,445)	12075 (26,621)	11910 (26,257)	11860 (26,147)	11985 (26,422)	11765 (25,937)	11915 (26,268)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3125 (10'3")	3000 (9'10")	3175 (10'5")	3055 (10'0")	3055 (10'0")	2955 (9'8")	2890 (9'6")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	2615 (8'7")	2660 (8'9")	2585 (8'6")	2630 (8'8")	2630 (8'8")	2710 (8'11")	2730 (8'11")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1110 (3'8")	1210 (4'0")	1055 (3'6")	1155 (3'9")	1155 (3'9")	1280 (4'2")	1335 (4'5")
Reach with arm horizontal and bucket level		mm (ft.in)	3425 (11'3")	3585 (11'9")	3350 (11'0")	3505 (11'6")	3505 (11'6")	3665 (12'0")	3750 (12'4")
K. Operating height (fully raised)		mm (ft.in)	5825 (19'1")	5825 (19'1")	5745 (18'10")	5745 (18'10")	5745 (18'10")	6085 (20'0")	5745 (18'10")
L. Overall length		mm (ft.in)	8375 (27'6")	8530 (28'0")	8295 (27'3")	8455 (27'9")	8455 (27'9")	8610 (28'3")	8700 (28'7")
Turning radius*		mm (ft.in)	6720 (22'1")	6765 (22'2")	6685 (21'11")	6743 (22'1")	6743 (22'1")	6775 (22'3")	6743 (22'1")
Digging depth	0°	mm (ft.in)	120 (4.7")	135 (5.3")	120 (4.7")	135 (5.3")	135 (5.3")	120 (4.7")	125 (4.9")
	10°	mm (ft.in)	345 (1'2")	390 (1'3")	335 (1'1")	375 (1'3")	375 (1'3")	385 (1'3")	410 (1'4")
Breakout force		kN (kgf) (lb)	180 (18400) (40,565)	195 (19900) (43,870)	193 (19700) (43,430)	195 (19900) (43,870)	209 (21300) (46,960)	151 (15400) (33,950)	173 (17600) (38,800)
Operating weight		kg (lb)	18350 (40,455)	18275 (40,290)	18440 (40,655)	18490 (40,765)	18365 (40,485)	18585 (40,970)	18435 (40,640)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

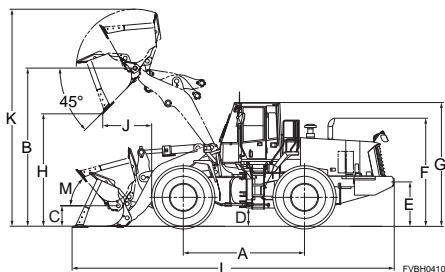
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
23.5-25-16PR (L3)	0	0	0	0	0	0	2820	9'3"	460	1'6"	0	0"
26.5-25-16PR (L3)	+420	+925	+330	+730	+290	+640	2940	9'8"	525	1'9"	+65	+2.6"
Remove ROPS cab	-660	-1,455	-635	-1,400	-605	-1,335						
Install front/rear compartment	+120	+265	+115	+255	+110	+245						
Install additional counterweight	+325	+715	+880	+1,940	+735	+1,620						

Performance Data Dimensions

WHEEL LOADERS

WA470-8 (Japan source)

Unit: mm (ft.in)



Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	
Standard boom	4360 (14'4")
High lift boom	4870 (16'0")
C Hinge pin height, carry position	
Standard boom	585 (1'11")
High lift boom	730 (2'5")
D Ground clearance	525 (1'9")
E Hitch height	1210 (4'0")
F Overall height, top of the stack	3320 (10'11")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	50°

Measured with 23.5R25 (L-3) tires, ROPS/FOPS cab

Bucket type			Standard Boom			High Lift Boom
			Stockpile Bucket	Excavating Bucket	Loose Material Bucket	Light Material Bucket
			with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	4.2 (5.5)	3.8 (5.0)	4.4 (5.8)	3.8 (5.0)
	Struck	m ³ (yd ³)	3.5 (4.6)	3.2 (4.2)	3.9 (5.1)	3.2 (4.2)
Bucket width		mm (ft.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2020 (4,453)	2170 (4,784)	2210 (4,872)	2170 (4,784)
Static tipping load	Straight	kg (lb)	20270 (44,690)	20130 (44,380)	20090 (44,290)	16500 (36,380)
	Full turn (40°)	kg (lb)	17460 (38,490)	17320 (38,180)	17280 (38,100)	14050 (30,980)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3185 (10'5")	3235 (10'7")	3055 (10'0")	3750 (12'4")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1935 (6'4")	1905 (6'3")	2010 (6'7")	2410 (7'11")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1235 (4'1")	1185 (3'11")	1365 (4'6")	1330 (4'4")
Reach with arm horizontal and bucket level**		mm (ft.in)	2755 (9'0")	2685 (8'10")	2940 (9'8")	2960 (9'9")
K. Operating height (fully raised)		mm (ft.in)	5960 (19'7")	5910 (19'5")	5960 (19'7")	6415 (21'1")
L. Overall length, bucket on ground		mm (ft.in)	9075 (29'9")	9005 (29'7")	9260 (30'5")	9430 (30'11")
Turning radius*		mm (ft.in)	7650 (25'1")	7630 (25'0")	7695 (25'3")	7890 (25'11")
Digging depth	0°	mm (ft.in)	80 (3.1")	80 (3.1")	80 (3.1")	215(8.5")
	10°	mm (ft.in)	315 (12.4")	305 (12.0")	345 (13.6")	440 (1'5")
Breakout force		kN kgf (lb)	192 19600 (43,160)	203 20710 (45,640)	168 17140 (37,770)	186 19,020 (41,930)
Operating weight		kg (lb)	24200 (53,350)	24350 (53,680)	24390 (53,770)	25210 (55,580)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

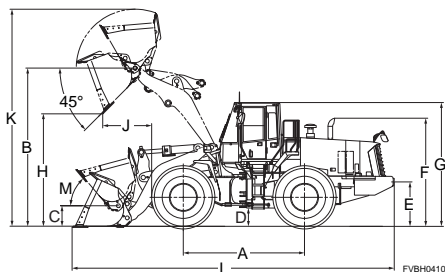
Tires or attachments	Change in Operating Weight		Change in Tipping Load				Overall length	
			Straight		Full Turn			
	kg	lb	kg	lb	kg	lb	mm	ft.in
Remove additional counterweight	-400	-880	-1300	-2870	-1100	-2425	+175	+6.9"

Performance Data Dimensions

WHEEL LOADERS

WA470-8 (USA source)

Unit: mm (ft.in)



Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	
Standard boom	4360 (14'4")
High lift boom	4870 (16'0")
C Hinge pin height, carry position	
Standard boom	585 (1'11")
High lift boom	730 (2'5")
D Ground clearance	525 (1'9")
E Hitch height	1210 (4'0")
F Overall height, top of the stack	3320 (10'11")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	50°

Measured with 23.5R25 (L-3) tires, ROPS/FOPS cab

Bucket type			Standard Boom			High Lift Boom
			Stockpile Bucket	Excavating Bucket	Loose Material Bucket	Light Material Bucket
			with B.O.C.	with B.O.C.	with B.O.C.	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	4.2 (5.5)	3.8 (5.0)	4.4 (5.8)	3.8 (5.0)
	Struck	m ³ (yd ³)	3.5 (4.6)	3.2 (4.2)	3.9 (5.1)	3.2 (4.2)
Bucket width		mm (ft.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2020 (4,453)	2170 (4,784)	2210 (4,872)	2170 (4,784)
Static tipping load	Straight	kg (lb)	20270 (44,690)	20130 (44,380)	20090 (44,290)	16500 (36,380)
	Full turn (40°)	kg (lb)	17460 (38,490)	17320 (38,180)	17280 (38,100)	14050 (30,980)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3185 (10'5")	3235 (10'7")	3055 (10'0")	3750 (12'4")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1935 (6'4")	1905 (6'3")	2010 (6'7")	2410 (7'11")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1235 (4'1")	1185 (3'11")	1365 (4'6")	1330 (4'4")
Reach with arm horizontal and bucket level**		mm (ft.in)	2755 (9'0")	2685 (8'10")	2940 (9'8")	2960 (9'9")
K. Operating height (fully raised)		mm (ft.in)	5960 (19'7")	5910 (19'5")	5960 (19'7")	6415 (21'1")
L. Overall length, bucket on ground		mm (ft.in)	9075 (29'9")	9005 (29'7")	9260 (30'5")	9430 (30'11")
Turning radius*		mm (ft.in)	7650 (25'1")	7630 (25'0")	7695 (25'3")	7890 (25'11")
Digging depth	0°	mm (ft.in)	80 (3.1")	80 (3.1")	80 (3.1")	215(8.5")
	10°	mm (ft.in)	315 (12.4")	305 (12.0")	345 (13.6")	440 (1'5")
Breakout force		kN kgf (lb)	192 19600 (43,160)	203 20710 (45,640)	168 17140 (37,770)	186 19,020 (41,930)
Operating weight		kg (lb)	23990 (52,890)	24140 (53,220)	24180 (52,310)	24930 (54,960)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

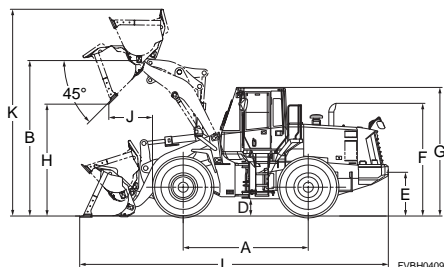
Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove additional counterweight	-400	-880	-1300	-2870	-1100	-2425

Performance Data Dimensions

WHEEL LOADERS

WA470-8 (Germany source)

Unit: mm (ft.in)



A Tread	2300 (7'7")
B Width over tires	2975 (9'9")
C Wheelbase	3450 (11'4")
D Hinge pin height, max. height	4340 (14'3")
E Ground clearance	505 (1'8")
F Overall height, ROPS cab	3475 (11'5")
Turning radius at corner of tire, 40° articulated	6270 (20'7")

Measured with 26.5 R25 (XHA) tires

Bucket type			High efficiency universal with flat bottom		High efficiency stockpile with round bottom		Stockpile with flat bottom	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	4.2 (5.5)	4.35 (5.7)	4.5 (5.9)	4.65 (6.1)	4.8 (6.3)	5.0 (6.5)
	Struck	m ³ (yd ³)	—	—	—	—	—	—
G. Bucket width		mm (ft.in)	3000 (9'10")	3000 (9'10")	3000 (9'10")	3000 (9'10")	3200 (10'6")	3200 (10'6")
Bucket weight		kg (lb)	2250 (4,960)	2300 (5,071)	2190 (4,828)	2240 (4,938)	2540 (5,600)	2610 (5,754)
Static tipping load	Straight	kg (lb)	18915 (41,700)	18720 (41,270)	19040 (41,980)	18845 (41,550)	18500 (40,790)	18295 (40,330)
	Full turn (40°)	kg (lb)	16230 (35,780)	16050 (35,380)	16345 (36,030)	16165 (35,640)	15825 (34,890)	15640 (34,480)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2865 (9'5")	2990 (9'10")	2830 (9'3")	2955 (9'8")	2845 (9'4")	2970 (9'9")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	—	—	—	—	—	—
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1485 (4'10")	1345 (4'5")	1520 (5'0")	1380 (4'6")	1500 (4'11")	1355 (4'5")
Reach with arm horizontal and bucket level		mm (ft.in)	—	—	—	—	—	—
J. Operating height (fully raised)		mm (ft.in)	5895 (19'4")	5895 (19'4")	5945 (19'6")	5945 (19'6")	5980 (19'7")	5980 (19'7")
K. Overall length, bucket on ground		mm (ft.in)	9350 (30'8")	9180 (30'1")	9400 (30'10")	9230 (30'3")	9300 (30'6")	9125 (29'11")
Turning radius		mm (ft.in)	7030 (23'1")	6975 (22'11")	7050 (23'2")	6990 (22'11")	7110 (23'4")	7055 (23'2")
Digging depth	0°	mm (ft.in)	125 (4.9")	155 (6.1")	125 (4.9")	155 (6.1")	125 (4.9")	155 (6.1")
	10°	mm (ft.in)	—	—	—	—	—	—
Breakout force	kN		187	176	180	171	183	173
	kgf (lb)		19070 (42,050)	17950 (39,580)	18360 (40,480)	17440 (38,450)	18670 (41,150)	17650 (38,900)
Operating weight		kg (lb)	24225 (53,410)	24280 (53,530)	24170 (53,290)	24220 (53,400)	24540 (54,100)	24605 (54,240)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach		Change in Vertical Dimensions		Overall Length	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
XMINE L5 tires	+1125	+2,480	+840	+1,850	+740	+1,630	+45	+1.8"	-30	-1.2"	+30	+1.2"	—	—
GP-4D tiers	+370	+820	+325	+720	+260	+570	+30	+1.2"	-15	-0.6"	+15	+0.6"	—	—
Additional counterweight	+400	+882	+980	+2,160	+820	+1,810	—	—	—	—	—	—	+175	+6.9"
Heavy counterweight	+980	+2,160	+2340	+5,160	+1950	+4,230	—	—	—	—	—	—	+80	+3.1"
StVZO counterweight	-570	-1,260	-1380	-3,040	-1150	-2,540	—	—	—	—	—	—	0	0"

WA470-8 (Germany source)

Measured with 26.5 R25 (XHA) tires

Bucket type			Universal with round bottom		Heavy duty		High efficiency universal (High lift) with flat bottom	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	4.5 (5.9)	4.65 (6.1)	4.1 (5.4)	4.25 (5.6)	4.2 (5.5)	4.35 (5.7)
	Struck	m ³ (yd ³)	–	–	–	–	–	–
G. Bucket width		mm (ft.in)	3200 (10'6")	3200 (10'6")	3000 (9'10")	3000 (9'10")	3200 (10'6")	3200 (10'6")
Bucket weight		kg (lb)	2230 (4,916)	2295 (5,060)	2452 (5,406)	2500 (5,512)	2250 (4,960)	2300 (5,071)
Static tipping load	Straight	kg (lb)	18936 (41,750)	18630 (41,070)	18625 (41,060)	18425 (40,620)	16340 (36,020)	16180 (35,670)
	Full turn (40°)	kg (lb)	16254 (35,830)	15980 (35,230)	15945 (35,150)	15765 (34,760)	13860 (30,560)	13720 (30,250)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2885 (9'6")	3010 (9'11")	2890 (9'6")	3015 (9'11")	3380 (11'1")	3503 (11'6")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	–	–	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1459 (4'9")	1315 (4'4")	1450 (4'9")	1310 (4'4")	1650 (5'5")	1510 (4'11")
Reach with arm horizontal and bucket level		mm (ft.in)	–	–	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	6005 (19'8")	6005 (19'8")	5950 (19'6")	5950 (19'6")	6410 (21'0")	6410 (21'0")
K. Overall length, bucket on ground		mm (ft.in)	9240 (30'4")	9065 (29'9")	9230 (30'3")	9060 (29'9")	9945 (32'8")	9775 (32'1")
Turning radius		mm (ft.in)	7105 (23'4")	7050 (23'2")	7000 (23'0")	6940 (22'9")	7310 (24'0")	7245 (23'9")
M. Digging depth	0°	mm (ft.in)	125 (4.9")	155 (6.1")	125 (4.9")	155 (6.1")	263 (10.4")	293 (11.5")
	10°	mm (ft.in)	–	–	–	–	–	–
Breakout force		kN kgf (lb)	191 19480 (42,950)	180 18360 (40,480)	192 19580 (43,180)	181 18460 (40,700)	182 18560 (40,930)	172 17540 (38,680)
Operating weight		kg (lb)	24185 (53,320)	24250 (53,460)	24450 (53,900)	24455 (53,910)	25615 (56,470)	25670 (56,590)

* Bucket at carry, outside corner of bucket, 40° articulated.

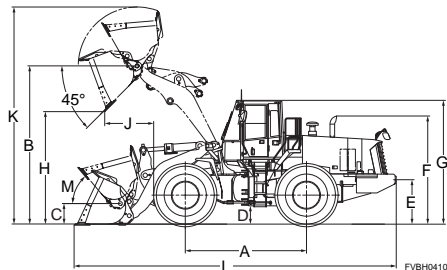
** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA470-7 (Japan source)

Unit: mm (ft.in)



Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4360 (14'4")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1210 (4'0")
F Overall height, top of the stack	3300 (10'10")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	50°

Measured with 26.5 R25 (L3) tires, ROPS/FOPS cab

Bucket type			Stockpile Bucket	Excavating Bucket	Loose Material Bucket
			with B.O.C	with B.O.C	with B.O.C
Bucket capacity	Heaped	m ³ (yd ³)	4.2 (5.5)	3.8 (5.0)	4.4 (5.8)
	Struck	m ³ (yd ³)	3.5 (4.6)	3.2 (4.2)	3.9 (5.1)
Bucket width		mm (ft.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2020 (4,453)	2170 (4,784)	2210 (4,872)
Static tipping load	Straight	kg (lb)	19110 (42,130)	18970 (41,820)	18930 (41,730)
	Full turn (40°)	kg (lb)	16470 (36,310)	16330 (36,000)	16300 (35,930)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3185 (10'5")	3235 (10'7")	3055 (10'0")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1935 (6'4")	1905 (6'3")	2010 (6'7")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1235 (4'1")	1185 (3'11")	1365 (4'6")
Reach with arm horizontal and bucket level**		mm (ft.in)	2755 (9'0")	2685 (8'10")	2940 (9'8")
K. Operating height (fully raised)		mm (ft.in)	5960 (19'7")	5910 (19'5")	5960 (19'7")
L. Overall length, bucket on ground		mm (ft.in)	8825 (28'11")	8755 (28'9")	9010 (29'7")
Turning radius*		mm (ft.in)	7650 (25'1")	7630 (25'0")	7695 (25'3")
Digging depth	0°	mm (ft.in)	80 (3.1")	80 (3.1")	80 (3.1")
	10°	mm (ft.in)	315 (12.4")	305 (12.0")	345 (13.6")
Breakout force		kgf (lb)	192 19600 (43,160)	203 20710 (45,640)	168 17140 (37,770)
Operating weight		kg (lb)	23590 (52,010)	23740 (52,340)	23780 (52,430)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

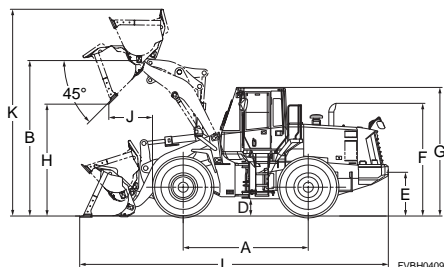
Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Install additional counterweight	-400	-880	-1300	-2,870	-1100	-2,425

Performance Data Dimensions

WHEEL LOADERS

WA470-7 (Germany source)

Unit: mm (ft.in)



A Tread	2300 (7'7")
B Width over tires	2975 (9'9")
C Wheelbase	3450 (11'4")
D Hinge pin height, max. height	4335 (14'3")
E Ground clearance	505 (1'8")
F Overall height, ROPS cab	3475 (11'5")
Turning radius at corner of tire, 40° articulated	6990 (22'11")

Measured with 26.5 R25 (XHA) tires

Bucket type			Universal				Earthmoving	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	4.1 (5.4)	4.25 (5.56)	4.5 (5.9)	4.65 (6.1)	4.2 (5.5)	4.35 (6.7)
	Struck	m ³ (yd ³)	–	–	–	–	–	–
G. Bucket width		mm (ft.in)	2995 (9'10")	3000 (9'10")	3165 (10'5")	3170 (10'5")	2990 (9'10")	3000 (9'10")
Bucket weight		kg (lb)	2015 (4,442)	2090 (4,608)	2085 (4,597)	2160 (4,762)	2185 (4,817)	2255 (4,971)
Static tipping load	Straight	kg (lb)	19235 (42,410)	19185 (42,300)	19155 (42,230)	19095 (42,100)	19185 (42,300)	19040 (41,980)
	Full turn (40°)	kg (lb)	16580 (36,550)	16530 (36,440)	16505 (36,390)	16440 (36,240)	16415 (36,190)	16385 (36,120)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2900 (9'6")	3010 (9'11")	2900 (9'6")	3010 (9'11")	2885 (9'6")	2995 (9'10")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	–	–	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1465 (4'10")	1315 (4'4")	1465 (4'10")	1315 (4'4")	1480 (4'10")	1330 (4'4")
Reach with arm horizontal and bucket level		mm (ft.in)	–	–	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5975 (19'7")	5975 (19'7")	5975 (19'7")	5975 (19'7")	5950 (19'6")	5950 (19'6")
K. Overall length, bucket on ground		mm (ft.in)	9090 (29'10")	8930 (29'4")	9090 (29'10")	8930 (29'4")	9140 (30'0")	8950 (29'4")
Turning radius		mm (ft.in)	7670 (25'2")	7625 (25'0")	7745 (25'5")	7700 (25'3")	7670 (25'2")	7630 (25'0")
Digging depth	0°	mm (ft.in)	125 (4.9")	155 (6.1")	125 (4.9")	155 (6.1")	125 (4.9")	155 (6.1")
	10°	mm (ft.in)	–	–	–	–	–	–
Breakout force	kN		194	183	193	183	192	181
	kgf (lb)		19780 (43,610)	18670 (41,150)	19680 (43,390)	18670 (41,150)	19580 (43,170)	18460 (40,700)
Operating weight		kg (lb)	23825 (52,520)	23880 (52,650)	23910 (52,710)	23975 (52,860)	23810 (52,490)	24035 (52,990)

* Bucket at carry, outside corner of bucket, 40° articulated.

** At the end of B.O.C. or teeth

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach		Change in Vertical Dimensions		Overall Length	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
XMINE L5 tires	+1125	+2,480	+840	+1,850	+760	+1,680	+45	+1.8"	-30	-1.2"	+30	+1.2"	–	–
GP-4D tiers	+370	+820	+325	+720	+280	+620	+30	+1.2"	-15	-0.6"	+15	+0.6"	–	–
Additional counterweight	+385	+850	+984	+2,170	+820	+1,810	–	–	–	–	–	–	+190	+7.5"
Heavy counterweight	+1055	+2,330	+2600	+5,840	+2270	+5,000	–	–	–	–	–	–	+120	+4.7"
StVZO counterweight	-670	-1,450	-1370	-3,020	-1135	-2,500	–	–	–	–	–	–	0	0"

**Performance Data
Dimensions**

WHEEL LOADERS

WA470-7 (Germany source)

Measured with 26.5 R25 (XHA) tires

Bucket type			Stockpile bucket with flat bottom		Stockpile bucket with raised bottom	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	4.6 (6.0)	4.75 (6.2)	4.8 (6.3)	5.0 (6.5)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2995 (9'10")	2995 (9'10")	2995 (9'10")	2995 (9'10")
Bucket weight		kg (lb)	2420 (5,335)	2570 (5,666)	2295 (5,060)	2270 (5,004)
Static tipping load	Straight	kg (lb)	18945 (41,770)	18897 (41,660)	18988 (41,860)	18925 (41,720)
	Full turn (40°)	kg (lb)	16290 (35,910)	16243 (35,810)	16334 (36,010)	16270 (35,870)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2835 (9'4")	2945 (9'8")	2835 (9'4")	2945 (9'8")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1535 (5'0")	1380 (4'6")	1535 (5'0")	1380 (4'6")
Reach with arm horizontal and bucket level		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5980 (19'7")	5980 (19'7")	5980 (19'7")	5980 (19'7")
K. Overall length, bucket on ground		mm (ft.in)	9185 (30'2")	8990 (29'6")	9130 (29'11")	9160 (30'1")
Turning radius		mm (ft.in)	7695 (25'3")	7645 (25'1")	7710 (25'4")	7740 (25'5")
Digging depth	0°	mm (ft.in)	125 (4.9")	155 (6.1")	125 (4.9")	155 (6.1")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	182 18560 (40,910)	172 17540 (38,670)	182 18560 (40,910)	172 17540 (38,670)
Operating weight		kg (lb)	24145 (53,230)	24198 (53,350)	24163 (53,270)	24230 (53,420)

Bucket type			Heavy Duty		Light Material	Universal (High-lift)
			with Teeth	with B.O.C.	with Teeth	with Teeth
Bucket capacity	Heaped	m ³ (yd ³)	4.1 (5.4)	4.25 (5.56)	6.0 (7.8)	4.1 (5.4)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	2995 (9'10")	2995 (9'10")	3250 (10'8")	2990 (9'10")
Bucket weight		kg (lb)	2388 (5,265)	2450 (5,401)	2305 (5,082)	1865 (4,112)
Static tipping load	Straight	kg (lb)	18960 (41,800)	18920 (41,710)	19325 (42,600)	19290 (42,530)
	Full turn (40°)	kg (lb)	16305 (35,950)	16265 (35,860)	16675 (36,760)	16634 (36,670)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2905 (9'6")	3015 (9'11")	2935 (9'8")	3600 (11'10")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1460 (4'9")	1310 (4'4")	1460 (4'9")	1455 (4'9")
Reach with arm horizontal and bucket level		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	5950 (19'6")	5950 (19'6")	6265 (20'7")	6485 (21'3")
K. Overall length, bucket on ground		mm (ft.in)	9085 (29'10")	8925 (29'3")	9050 (29'8")	9600 (31'6")
Turning radius		mm (ft.in)	7665 (25'2")	7625 (25'0")	7765 (25'2")	7830 (25'8")
Digging depth	0°	mm (ft.in)	125 (4.9")	155 (6.1")	105 (4.9")	265 (10.4")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN kgf (lb)	195 19880 (43,830)	184 18760 (41,360)	167 17030 (37,540)	189 18670 (41,160)
Operating weight		kg (lb)	24130 (53,200)	24175 (53,300)	23725 (52,300)	23830 (52,540)

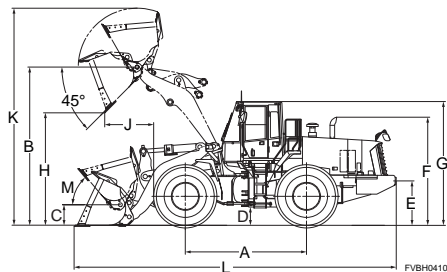
* Bucket at carry, outside corner of bucket, 40° articulated.

** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA470-6 (Japan source)



	Unit: mm (ft.in)
Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4360 (14'4")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	50°

Measured with 26.5-25-16PR (L3) tires

Bucket type			Stockpile Buckets		Excavating Buckets			Rock Bucket	Loose Material Bucket	Light Material Bucket
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Teeth	Bolt-on Cutting Edges	Bolt-on Cutting Edges
Bucket capacity	Heaped	m ³ (yd ³)	4.2 (5.5)	3.9 (5.1)	3.8 (5.0)	3.8 (5.0)	3.6 (4.7)	3.6 (4.7)	4.4 (5.8)	5.2 (6.8)
	Struck	m ³ (yd ³)	3.5 (4.6)	3.3 (4.3)	3.2 (4.2)	3.2 (4.2)	3.1 (4.1)	3.1 (4.1)	3.9 (5.1)	4.5 (5.9)
Bucket width		mm (ft.in)	3170 (10'5")	3190 (10'6")	3170 (10'5")	3190 (10'6")	3190 (10'6")	3170 (10'5")	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2050 (4,519)	1970 (4,343)	2150 (4,740)	2200 (4,850)	2070 (4,564)	2165 (4,773)	2110 (4,652)	2185 (4,817)
Static tipping load	Straight	kg (lb)	18295 (40,330)	18370 (40,500)	18205 (40,130)	18160 (40,040)	18275 (40,290)	18190 (40,100)	18240 (40,210)	18175 (40,070)
	Full turn (40°)	kg (lb)	15720 (34,660)	15795 (34,820)	15630 (34,460)	15585 (34,360)	15705 (34,620)	15615 (34,420)	15665 (34,530)	15600 (34,390)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3185 (10'5")	3060 (10'0")	3235 (10'7")	3110 (10'2")	3110 (10'2")	2975 (9'9")	3055 (10'0")	3035 (9'11")
Reach at 2130 mm (7") clearance and 45° dump angle		mm (ft.in)	1935 (6'4")	1975 (6'6")	1905 (6'3")	1950 (6'5")	1950 (6'5")	2035 (6'8")	2010 (6'7")	2020 (6'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1235 (4'1")	1335 (4'5")	1185 (3'11")	1285 (4'3")	1285 (4'3")	1435 (4'8")	1365 (4'6")	1385 (4'7")
Reach with arm horizontal and bucket level		mm (ft.in)	2755 (9'0")	2910 (9'7")	2685 (8'10")	2840 (9'4")	2840 (9'4")	3040 (10'0")	2940 (9'8")	2965 (9'9")
K. Operating height (fully raised)		mm (ft.in)	5960 (19'7")	5960 (19'7")	5875 (19'3")	5875 (19'3")	5875 (19'3")	5875 (19'3")	5960 (19'7")	6185 (20'4")
L. Overall length		mm (ft.in)	8825 (28'11")	8980 (29'6")	8755 (28'9")	8910 (29'3")	8910 (29'3")	9210 (30'3")	9010 (29'7")	9035 (29'8")
Turning radius*		mm (ft.in)	7640 (25'1")	7690 (25'3")	7620 (25'0")	7670 (25'2")	7670 (25'2")	7640 (25'1")	7685 (25'3")	7690 (25'3")
Digging depth	0°	mm (ft.in)	80 (3.1")	100 (3.9")	80 (3.1")	100 (3.9")	100 (3.9")	85 (3.3")	80 (3.1")	80 (3.1")
	10°	mm (ft.in)	315 (1'0")	360 (1'2")	305 (1'0")	350 (1'2")	350 (1'2")	370 (1'3")	345 (1'2")	350 (1'2")
Breakout force		kN kgf (lb)	192 19600 (43,160)	207 21120 (46,560)	203 20710 (45,660)	209 21330 (47,020)	220 22450 (49,490)	190 19390 (42,750)	168 17140 (37,790)	165 16840 (37,130)
Operating weight		kg (lb)	22960 (50,620)	22880 (50,440)	23060 (50,840)	23110 (50,950)	22980 (50,660)	23075 (50,870)	23,020 (50,750)	23095 (50,910)

* Bucket at carry, outside corner of bucket.

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

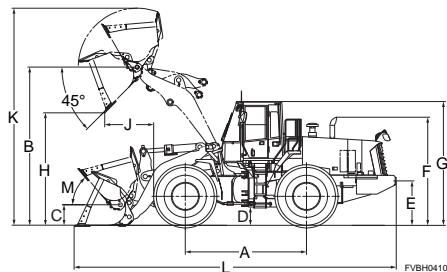
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
23.5-25-20PR (L3)	-305	-672	-240	-529	-210	-463	2920	9'7"	460	1'6"	-65	-3"
23.5-25-20PR (L2)	-615	-1355	-480	-1058	-420	-926	2920	9'7"	460	1'6"	-65	-3"
26.5-25-16PR (L3)	0	0	0	0	0	0	3010	9'11"	525	1'9"	0	0"
26.5-25-20PR (L4)	+425	+937	+330	+728	+290	+639	3010	9'11"	525	1'9"	0	0"
Install additional counterweight	+400	+880	+1070	+2,358	+930	+2,050						

Performance Data Dimensions

WHEEL LOADERS

WA470-6R (Japan source)



	Unit: mm (ft.in)
Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4360 (14'4")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	50°

Measured with 26.5-25-16PR (L3) tires

Bucket type			Stockpile Bucket		Excavating Bucket		
			B.O.C.	Teeth	B.O.C.	Teeth and Segment	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	4.2 (5.5)	3.9 (5.1)	3.8 (5.0)	3.8 (5.0)	3.6 (4.7)
	Struck	m ³ (yd ³)	3.5 (4.6)	3.3 (4.3)	3.2 (4.2)	3.2 (4.2)	3.1 (4.1)
Bucket width		mm (ft.in)	3170 (10'5")	3190 (10'6")	3170 (10'5")	3190 (10'6")	3190 (10'6")
Bucket weight		kg (lb)	2055 (4,530)	1965 (4,330)	2165 (4,770)	2200 (4,850)	2075 (4,570)
Static tipping load	Straight	kg (lb)	18250 (40,240)	18610 (41,035)	18150 (40,220)	18330 (40,420)	18510 (40,810)
	Full turn (40°)	kg (lb)	15680 (34,570)	16035 (35,360)	15580 (34,350)	15760 (34,745)	15935 (35,135)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3185 (10'5")	3060 (10'0")	3235 (10'7")	3110 (10'2")	3110 (10'2")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	1935 (6'4")	1975 (6'6")	1905 (6'3")	1950 (6'5")	1950 (6'5")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1235 (4'1")	1335 (4'5")	1185 (3'11")	1285 (4'3")	1285 (4'3")
Reach with arm horizontal and bucket level**		mm (ft.in)	2755 (9'0")	2910 (9'7")	2685 (8'10")	2840 (9'4")	2840 (9'4")
K. Operating height (fully raised)		mm (ft.in)	5960 (19'7")	5960 (19'7")	5875 (19'3")	5875 (19'3")	5875 (19'3")
L. Overall length, bucket on ground		mm (ft.in)	8825 (28'11")	8980 (29'6")	8755 (28'9")	8910 (29'3")	8910 (29'3")
Turning radius*		mm (ft.in)	7640 (25'1")	7690 (25'3")	7620 (25'0")	7670 (25'2")	7670 (25'2")
Digging depth	0°	mm (ft.in)	80 (3.1")	100 (3.9")	80 (3.1")	100 (3.9")	100 (3.9")
	10°	mm (ft.in)	315 (12.4")	360 (1'2")	305 (1'0")	350 (1'2")	350 (1'2")
Breakout force		kN	192	207	203	209	220
		kgf (lb)	19600 (43,160)	21120 (46,560)	20710 (45,660)	21330 (47,020)	22450 (49,490)
Operating weight		kg (lb)	22990 (50,690)	22900 (50,490)	23100 (50,935)	23140 (51,020)	23010 (50,735)

* Bucket at carry, outside corner of bucket

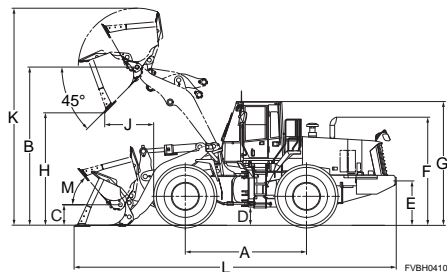
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
23.5-25-20PR(L3)	-305	-670	-240	-530	-210	-460	2920	9'7"	460	1'6"	-65	-3"
23.5-25-20PR(L2)	-615	-1355	-480	-1060	-420	-925	2920	9'7"	460	1'6"	-65	-3"
26.5-25-16PR(L3)	0	0	0	0	0	0	3010	9'11"	525	1'9"	0	0
26.5-25-16PR(L4)	+425	+940	+330	+730	+290	+640	3010	9'11"	525	1'9"	0	0
Install additional counterweight	+400	+880	+1070	+2360	+930	+2050						

WA470-6R (Japan source)



	Unit: mm (ft.in)
Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4360 (14'4")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	50°

Measured with 26.5-25-16PR (L3) tires

Bucket type			Rock Bucket (Spade nose)	Loose Material Bucket	Light Material Bucket
			Teeth	B.O.C	B.O.C
Bucket capacity	Heaped	m ³ (yd ³)	3.6 (4.7)	4.4 (5.8)	5.2 (6.8)
	Struck	m ³ (yd ³)	3.1 (4.1)	3.9 (5.1)	4.5 (5.9)
Bucket width		mm (ft.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2160 (4,760)	2210 (4,870)	2255 (4,970)
Static tipping load	Straight	kg (lb)	18280 (40,310)	18115 (39,940)	18070 (39,840)
	Full turn (40°)	kg (lb)	15705 (34,630)	15540 (34,265)	15495 (34,165)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2975 (9'9")	3055 (10'0")	3035 (9'11")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2035 (6'8")	2010 (6'7")	2020 (6'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1435 (4'8")	1365 (4'6")	1385 (4'7")
Reach with arm horizontal and bucket level**		mm (ft.in)	3040 (10'0")	2940 (9'8")	2965 (9'9")
K. Operating height (fully raised)		mm (ft.in)	5875 (19'3")	5960 (19'7")	6185 (20'4")
L. Overall length, bucket on ground		mm (ft.in)	9210 (29'11")	9010 (29'7")	9035 (29'8")
Turning radius*		mm (ft.in)	7640 (25'1")	7685 (25'3")	7690 (25'3")
Digging depth	0°	mm (ft.in)	85 (3.3")	80 (3.1")	80 (3.1")
	10°	mm (ft.in)	370 (1'3")	345 (1'2")	350 (1'2")
Breakout force		kN kgf (lb)	190 19390 (42,750)	168 17140 (37,790)	165 16840 (37,130)
Operating weight		kg (lb)	23095 (50920)	23140 (51,025)	23190 (51,135)

* Bucket at carry, outside corner of bucket
** At the end of B.O.C. or teeth.

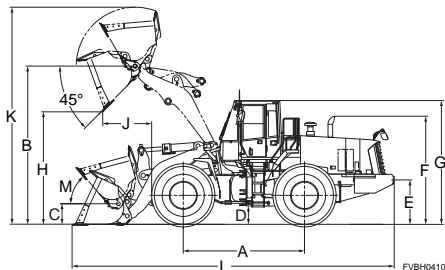
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Performance Data Dimensions

WHEEL LOADERS

WA470-6 (China source)

Unit: mm



Tread	2300
Width over tires	3010
A Wheelbase	3450
B Hinge pin height, max. height	4360
C Hinge pin height, carry position	585
D Ground clearance	520
E Hitch height	1240
F Overall height, top of the stack	3080
G Overall height, ROPS cab	3500
M Tilt back angle	50°

Measured with 26.5-25-20PR (L3) tires

Bucket type			Stockpile Buckets					
			Stockpile Buckets			Excavating Buckets		
			Bolt-on Cutting Edge	Teeth + Segment	Teeth	Bolt-on Cutting Edge	Teeth + Segment	Teeth
Bucket capacity	Heaped	m ³	4.2	4.2	3.9	3.8	3.8	3.6
	Struck	m ³	3.5	3.5	3.3	3.2	3.2	3.1
Bucket width		mm	3170	3190	3190	3170	3190	3190
Bucket weight		kg	2050	2100	1970	2150	2200	2070
Static tipping load	Straight	kg	18330	18280	18410	17220	17170	17300
	40° full turn	kg	15745	15695	14870	14990	14945	15055
H. Dumping clearance, max. height and 45° dump angle**		mm	3185	3065	3065	3235	3110	3110
J. Reach at max. height and 45° dump angle**		mm	1235	1330	1330	1185	1285	1285
K. Operating height (fully raised)		mm	5960	5960	5960	5875	5875	5875
L. Overall length, bucket on ground		mm	8825	8980	8980	8755	8910	8910
Turning radius*		mm	7640	7705	7705	7635	7685	7685
Digging depth	0°	mm	80	100	100	80	100	100
	10°	mm	315	360	360	305	350	350
Breakout force		kN	192	192	207	203	209	220
		kgf	19600	19600	21120	20710	21330	22450
Operating weight		kg	23020	23070	22940	23120	23170	23040

Bucket type			Rock Bucket	Loose Material Bucket	Loose Material Bucket
			Teeth	Bolt-on Cutting Edge	Bolt-on Cutting Edge
Bucket capacity	Heaped	m ³	3.6	4.6	5.2
	Struck	m ³	3.1	3.9	4.5
Bucket width		mm	3170	3170	3170
Bucket weight		kg	2165	2110	2185
Static tipping load	Straight	kg	17205	17260	17185
	40° full turn	kg	14975	15020	14955
H. Dumping clearance, max. height and 45° dump angle**		mm	2990	3060	3040
J. Reach at max. height and 45° dump angle**		mm	1410	1365	1385
K. Operating height (fully raised)		mm	5875	5960	6185
L. Overall length, bucket on ground		mm	9085	8940	9035
Turning radius*		mm	7655	7700	7705
Digging depth	0°	mm	100	80	80
	10°	mm	380	335	350
Breakout force		kN	190	168	165
		kgf	19390	17140	16840
Operating weight		kg	23135	23080	23155

* Bucket at carry, outside corner of bucket

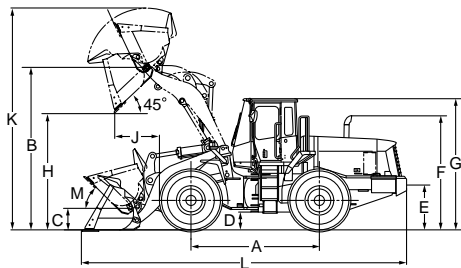
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Performance Data Dimensions

WHEEL LOADERS

WA470-5 (Japan source)



Unit: mm (ft.in)

Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4360 (14'4")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3460 (11'4")
M Tilt back angle	50°

Measured with 26.5-25-20PR (L3) tires

Bucket type			Stockpile Buckets		Excavating Buckets		
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	4.2 (5.5)	3.9 (5.1)	3.8 (5.0)	3.8 (5.0)	3.6 (4.7)
	Struck	m ³ (yd ³)	3.5 (4.6)	3.3 (4.3)	3.2 (4.2)	3.2 (4.2)	3.1 (4.1)
Bucket width		mm (ft.in)	3170 (10'5")	3190 (10'6")	3170 (10'5")	3190 (10'6")	3190 (10'6")
Bucket weight		kg (lb)	2005 (4,420)	1930 (4,255)	2150 (4,740)	2200 (4,850)	2070 (4,564)
Static tipping load	Straight	kg (lb)	17215 (37,950)	17295 (38,130)	17005 (37,490)	16955 (37,380)	17085 (37,665)
	Full turn (40°)	kg (lb)	14975 (33,015)	15055 (33,190)	14770 (32,560)	14720 (32,450)	14850 (32,740)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3185 (10'5")	3060 (10'0")	3235 (10'7")	3110 (10'2")	3110 (10'2")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	1910 (6'3")	1950 (6'5")	1880 (6'2")	1925 (6'4")	1925 (6'4")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1235 (4'1")	1335 (4'5")	1185 (3'11")	1285 (4'3")	1285 (4'3")
Reach with arm horizontal and bucket level		mm (ft.in)	2750 (9'0")	2905 (9'6")	2680 (8'10")	2835 (9'4")	2835 (9'4")
K. Operating height (fully raised)		mm (ft.in)	5960 (19'7")	5960 (19'7")	5875 (19'3")	5875 (19'3")	5875 (19'3")
L. Overall length		mm (ft.in)	8765 (28'9")	8920 (29'3")	8695 (28'6")	8850 (29'0")	8850 (29'0")
Turning radius*		mm (ft.in)	6980 (22'11")	7040 (23'1")	6965 (22'10")	7020 (23'0")	7020 (23'0")
Digging depth	0°	mm (ft.in)	80 (3.1")	100 (3.9")	80 (3.1")	100 (3.9")	100 (3.9")
	10°	mm (ft.in)	315 (1'0")	360 (1'2")	305 (1'0")	350 (1'2")	350 (1'2")
Breakout force		kN	192	207	203	209	220
		kgf (lb)	19580 (43,162)	21110 (46,534)	20710 (45,634)	21320 (46,983)	22440 (49,456)
Operating weight		kg (lb)	22165 (48,865)	22085 (48,690)	22205 (48,955)	22315 (49,195)	22185 (48,910)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

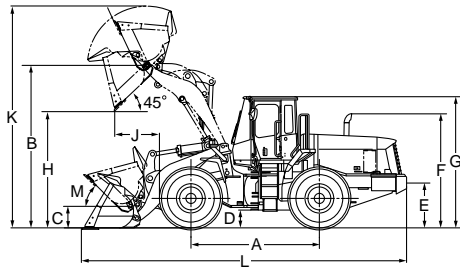
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
26.5-25-20PR (L3)	0	0	0	0	0	0	3010	9'11"	525	1'9"	0	0"
26.5-25-16PR (L3)	-70	-155	-50	-110	-45	-100	3010	9'11"	525	1'9"	0	0"
26.5-25-20PR (L4)	+355	+780	+270	+595	+235	+520	3010	9'11"	525	1'9"	0	0"
26.5-R25 (L3)	+115	+235	+90	+200	+75	+165	3010	9'11"	525	1'9"	0	0"
23.5-25-20PR (L3)	-460	-1,015	-350	-770	-300	-660	2920	9'7"	460	1'6"	-65	-3"
23.5-25-20PR (L2)	-775	-1,710	-585	-1,290	-505	-1,115	2920	9'7"	460	1'6"	-65	-3"
Remove ROPS cab with A/C	-730	-1,610	-670	-1,475	-585	-1,290						
Install additional counterweight	+400	+880	+1030	+2,270	+860	+1,895						

Performance Data Dimensions

WHEEL LOADERS

WA470-5 (Japan source)

Unit: mm (ft.in)



Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4360 (14'4")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3460 (11'4")
M Tilt back angle	50°

Measured with 26.5-25-20PR (L3) tires

Bucket type			Rock Bucket	Loose Material Bucket		Light Material Bucket
			Teeth	Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges
Bucket capacity	Heaped	m ³ (yd ³)	3.6 (4.7)	4.6 (6.0)	4.3 (5.6)	5.2 (6.8)
	Struck	m ³ (yd ³)	3.1 (4.1)	3.9 (5.1)	3.7 (4.8)	4.5 (5.9)
Bucket width		mm (ft.in)	3170 (10'5")	3170 (10'5")	3190 (10'6")	3170 (10'5")
Bucket weight		kg (lb)	2165 (4,773)	2110 (4,652)	2030 (4,465)	2185 (4,817)
Static tipping load	Straight	kg (lb)	16990 (37,455)	17045 (37,575)	17125 (37,755)	16970 (37,410)
	Full turn (40°)	kg (lb)	14755 (32,530)	14810 (32,650)	14890 (32,825)	14735 (32,485)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2975 (9'9")	3055 (10'0")	2930 (9'7")	3035 (9'11")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	2010 (6'7")	1980 (6'6")	2020 (6'8")	1990 (6'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1435 (4'8")	1365 (4'6")	1465 (4'10")	1385 (4'7")
Reach with arm horizontal and bucket level		mm (ft.in)	3035 (9'11")	2935 (9'8")	3090 (10'2")	2960 (9'9")
K. Operating height (fully raised)		mm (ft.in)	5875 (19'3")	5960 (19'7")	5960 (19'7")	6185 (20'4")
L. Overall length		mm (ft.in)	9050 (29'8")	8950 (29'4")	9105 (29'10")	8975 (29'5")
Turning radius*		mm (ft.in)	6985 (22'11")	7030 (23'1")	7090 (23'3")	7040 (23'1")
Digging depth	0°	mm (ft.in)	85 (3.3")	60 (2.4")	80 (3.1")	60 (2.4")
	10°	mm (ft.in)	370 (1'3")	345 (1'2")	390 (1'3")	350 (1'2")
Breakout force		kN (kgf) (lb)	190 (42,712)	168 (37,766)	183 (41,140)	165 (37,092)
Operating weight		kg (lb)	22280 (49,120)	22225 (48,995)	22145 (48,820)	22300 (49,165)

* Bucket at carry, outside corner of bucket

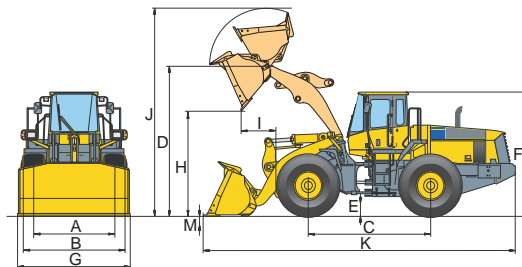
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
 - Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
 - Machine stability and operating weight affected by counterweight, tire size, and other attachments.
- Apply the following weight changes to operating weight and static tipping load.

Performance Data Dimensions

WHEEL LOADERS

WA480-8 (Germany source)



Unit: mm (ft.in)

A Tread	2300 (7'7")
B Width over tires	3010 (9'11")
C Wheelbase	3450 (11'4")
D Hinge pin height, max. height	4485 (14'9")
E Ground clearance	505 (1'8")
F Overall height, ROPS cab	3575 (11'9")
Turning radius at corner of tire, 40° articulated	6970 (22'10")

Measured with 26.5 R25 tires

Bucket type			Bucket with flat bottom				Bucket with raised bottom	
			with Teeth	with B.O.C.	with Teeth	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	4.8 (6.3)	5.0 (6.5)	5.0 (6.5)	5.3 (6.9)	5.0 (6.5)	5.3 (6.9)
	Struck	m ³ (yd ³)	–	–	–	–	–	–
G. Bucket width		mm (ft.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2440 (5,379)	2505 (5,523)	2520 (5,556)	2585 (5,699)	2505 (5,523)	2565 (5,655)
Static tipping load	Straight	kg (lb)	20165 (44,460)	19945 (43,970)	19995 (44,080)	19740 (43,520)	20005 (44,100)	19800 (43,650)
	Full turn (40°)	kg (lb)	17500 (38,580)	17300 (38,140)	17305 (38,150)	17105 (37,710)	17155 (37,820)	17355 (38,260)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	2920 (9'7")	3045 (10'0")	2860 (9'5")	2980 (9'9")	2860 (9'5")	2980 (9'9")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	–	–	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1620 (5'4")	1475 (4'10")	1680 (5'6")	1540 (5'1")	1680 (5'6")	1540 (5'1")
Reach with arm horizontal and bucket level		mm (ft.in)	–	–	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	6245 (20'6")	6245 (20'6")	6315 (20'9")	6315 (20'9")	6315 (20'9")	6315 (20'9")
K. Overall length, bucket on ground		mm (ft.in)	9585 (31'5")	9420 (30'11")	9675 (31'9")	9510 (31'2")	9675 (31'9")	9510 (31'2")
Turning radius		mm (ft.in)	7810 (25'7")	7760 (25'6")	7840 (25'9")	7785 (25'7")	7840 (25'9")	7785 (25'7")
Digging depth	0°	mm (ft.in)	140 (5.5")	170 (6.7")	140 (5.5")	170 (6.7")	140 (5.5")	170 (6.7")
	10°	mm (ft.in)	–	–	–	–	–	–
Breakout force		kN kgf (lb)	216 22030 (48,570)	205 20900 (46,080)	204 20800 (45,860)	194 19780 (43,610)	204 20800 (45,860)	194 19780 (43,610)
Operating weight		kg (lb)	26315 (58,010)	26380 (58,160)	26400 (58,200)	26465 (58,340)	26315 (58,010)	26380 (58,160)

* Bucket at carry, outside corner of bucket, 40° articulated

** At the end of B.O.C. or teeth

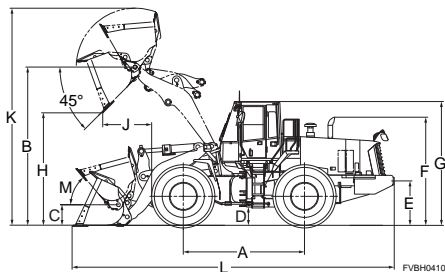
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach		Change in Vertical Dimensions		Overall Length	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
X-Mine L5 tires	+1040	+2,290	+720	+1,590	+635	+1,400	+35	+1.4"	-35	-1.4"	+45	+1.8"	–	–
GP-4D L4 tiers	+400	+880	+280	+620	+245	+540	+20	+0.8"	-10	-0.4"	+15	+0.6"	–	–

Performance Data Dimensions

WHEEL LOADERS

WA480-6 (Japan source)



	Unit: mm (ft.in)
Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4505 (14'9")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	52°

Measured with 26.5-25-20PR (L3) tires

Bucket type			Stockpile Buckets		Excavating Buckets			Loose Material Bucket	Light Material Bucket
			Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges	Bolt-on Cutting Edges
Bucket capacity	Heaped	m ³ (yd ³)	4.6 (6.0)	4.3 (5.6)	4.1 (5.4)	4.1 (5.4)	3.8 (5.0)	4.9 (6.4)	6.1 (8.0)
	Struck	m ³ (yd ³)	4.0 (5.2)	3.8 (5.0)	3.5 (4.6)	3.5 (4.6)	3.2 (4.2)	4.2 (5.5)	5.2 (6.8)
Bucket width		mm (ft.in)	3170 (10'5")	3190 (10'6")	3170 (10'5")	3190 (10'6")	3190 (10'6")	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2260 (4,982)	2165 (4,773)	2220 (4,894)	2255 (4,971)	2125 (4,685)	2340 (5,159)	2410 (5,313)
Static tipping load	Straight	kg (lb)	20030 (44,160)	20110 (44,330)	20060 (44,220)	20030 (44,160)	20145 (44,410)	19960 (44,000)	19900 (43,870)
	Full turn (40°)	kg (lb)	17125 (37,750)	17205 (37,930)	17160 (37,830)	17130 (37,760)	17240 (38,010)	17055 (37,600)	16995 (37,470)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3205 (10'6")	3080 (10'1")	3320 (10'11")	3195 (10'6")	3195 (10'6")	3150 (10'4")	3080 (10'1")
Reach at 2130 mm (7") clearance and 45° dump angle		mm (ft.in)	2135 (7'0")	2180 (7'2")	2060 (6'9")	2110 (6'11")	2110 (6'11")	2165 (7'1")	2205 (7'3")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1410 (4'8")	1510 (5'0")	1295 (4'3")	1395 (4'7")	1395 (4'7")	1465 (4'10")	1535 (5'0")
Reach with arm horizontal and bucket level		mm (ft.in)	3020 (9'11")	3175 (10'5")	2855 (9'4")	3010 (9'11")	3010 (9'11")	3100 (10'2")	3195 (10'6")
K. Operating height (fully raised)		mm (ft.in)	6175 (20'3")	6175 (20'3")	6025 (19'9")	6025 (19'9")	6025 (19'9")	6175 (20'3")	6450 (21'2")
L. Overall length		mm (ft.in)	9170 (30'1")	9325 (30'7")	9005 (29'7")	9160 (30'1")	9160 (30'1")	9250 (30'4")	9345 (30'8")
Turning radius*		mm (ft.in)	7700 (25'3")	7750 (25'5")	7655 (25'1")	7710 (25'4")	7710 (25'4")	7720 (25'4")	7745 (25'5")
Digging depth	0°	mm (ft.in)	90 (3.5")	110 (4.3")	90 (3.5")	110 (4.3")	110 (4.3")	90 (3.5")	90 (3.5")
	10°	mm (ft.in)	355 (1'2")	400 (1'4")	335 (1'1")	380 (1'3")	380 (1'3")	375 (1'3")	385 (1'3")
Breakout force		kN kgf (lb)	212 21600 (47,660)	226 23100 (50,810)	231 23600 (51,930)	237 24200 (53,280)	249 25400 (55,980)	196 20000 (44,060)	189 19300 (42,490)
Operating weight		kg (lb)	25005 (55,130)	24910 (54,920)	24965 (55,040)	25000 (55,110)	24870 (54,830)	25085 (55,300)	25155 (55,460)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

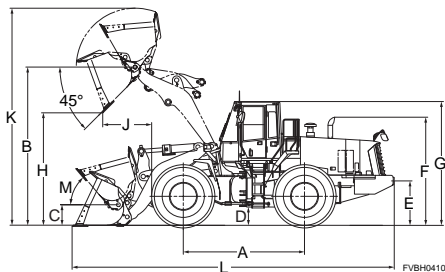
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
26.5-25-20PR (L3)	0	0	0	0	0	0	3010	9'11"	525	1'9"	0	0"
26.5-25-20PR (L4)	+360	+794	+250	+551	+220	+485	3010	9'11"	525	1'9"	0	0"
Install additional counterweight	+400	+880	+980	+2,160	+850	+1,873						

Performance Data Dimensions

WHEEL LOADERS

WA480-6R (Japan source)



	Unit: mm (ft.in)
Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4505 (14'9")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	52°

Measured with 26.5-25-20PR (L3) tires

Bucket type			Stockpile Bucket		Excavating Bucket		
			B.O.C	Teeth	B.O.C	Teeth and Segment	Teeth
Bucket capacity	Heaped	m ³ (yd ³)	4.6 (6.0)	4.3 (5.6)	4.1 (5.4)	4.1 (5.4)	3.8 (5.0)
	Struck	m ³ (yd ³)	4.0 (5.2)	3.8 (5.0)	3.5 (4.6)	3.5 (4.6)	3.2 (4.2)
Bucket width		mm (ft.in)	3170 (10'5")	3190 (10'6")	3170 (10'5")	3190 (10'6")	3190 (10'6")
Bucket weight		kg (lb)	2260 (4,985)	2170 (4,785)	2370 (5,225)	2410 (5,310)	2280 (5,025)
Static tipping load	Straight	kg (lb)	19905 (43,890)	20240 (44,630)	19810 (43,680)	19980 (44,060)	20150 (44,430)
	Full turn (40°)	kg (lb)	17000 (37,485)	17340 (38,235)	16910 (37,285)	17080 (37,660)	17245 (38,025)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3205 (10'6")	3080 (10'1")	3320 (10'11")	3195 (10'6")	3195 (10'6")
Reach at 2130 mm (7') clearance and 45° dump angle**		mm (ft.in)	2135 (7'0")	2180 (7'2")	2060 (6'9")	2110 (6'11")	2110 (6'11")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1410 (4'8")	1510 (5'0")	1295 (4'3")	1395 (4'7")	1395 (4'7")
Reach with arm horizontal and bucket level**		mm (ft.in)	3020 (9'11")	3175 (10'5")	2855 (9'4")	3010 (9'11")	3010 (9'11")
K. Operating height (fully raised)		mm (ft.in)	6175 (20'3")	6175 (20'3")	6025 (19'9")	6025 (19'9")	6025 (19'9")
L. Overall length, bucket on ground		mm (ft.in)	9170 (30'1")	9325 (30'7")	9005 (29'7")	9160 (30'1")	9160 (30'1")
Turning radius*		mm (ft.in)	7700 (25'3")	7750 (25'5")	7655 (25'1")	7710 (25'4")	7710 (25'4")
Digging depth	0°	mm (ft.in)	90 (3.5")	110 (4.3")	90 (3.5")	110 (4.3")	110 (4.3")
	10°	mm (ft.in)	355 (1'2")	400 (1'4")	355 (1'2")	380 (1'3")	380 (1'3")
Breakout force		kN kgf (lb)	212 21600 (47,660)	226 23100 (50,810)	231 23600 (51,930)	237 24200 (53,280)	249 25400 (55,980)
Operating weight		kg (lb)	24990 (55,105)	24900 (54,905)	25100 (55,345)	25140 (55,430)	25010 (55,145)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

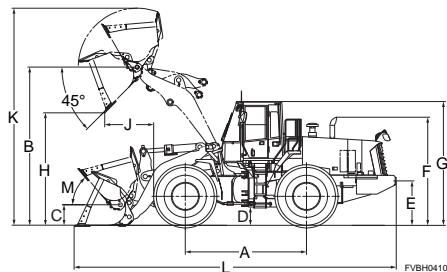
Weight Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
26.5-25-20PR(L3)	0	0	0	0	0	0	3010	9'11"	525	1'9"	0	0"
26.5-25-20PR(L4)	+360	+790	+250	+550	+220	+490	3010	9'11"	525	1'9"	0	0"
Install additional counterweight	+400	+880	+980	+2160	+850	+1870						

Performance Data Dimensions

WHEEL LOADERS

WA480-6R (Japan source)



	Unit: mm (ft.in)
Tread	2300 (7'7")
Width over tires	3010 (9'11")
A Wheelbase	3450 (11'4")
B Hinge pin height, max. height	4360 (14'4")
C Hinge pin height, carry position	585 (1'11")
D Ground clearance	525 (1'9")
E Hitch height	1240 (4'1")
F Overall height, top of the stack	3080 (10'1")
G Overall height, ROPS cab	3500 (11'6")
M Tilt back angle	50°

Measured with 26.5-25-16PR (L3) tires

Bucket type			Loose Material Bucket	Light Material Bucket
			B.O.C	B.O.C
Bucket capacity	Heaped	m ³ (yd ³)	4.9 (6.4)	6.1 (8.0)
	Struck	m ³ (yd ³)	4.2 (5.5)	5.2 (6.8)
Bucket width		mm (ft.in)	3170 (10'5")	3170 (10'5")
Bucket weight		kg (lb)	2355 (5,190)	2535 (5,590)
Static tipping load	Straight	kg (lb)	198250 (43,715)	19670 (43,375)
	Full turn (40°)	kg (lb)	16920 (37,310)	16770 (36,975)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3150 (10'4")	3080 (10'1")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2165 (7'1")	2205 (7'3")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1465 (4'10")	1535 (5'0")
Reach with arm horizontal and bucket level**		mm (ft.in)	3100 (10'2")	3195 (10'6")
K. Operating height (fully raised)		mm (ft.in)	6175 (20'3")	6450 (21'2")
L. Overall length, bucket on ground		mm (ft.in)	9250 (30'4")	9345 (30'8")
Turning radius*		mm (ft.in)	7720 (25'4")	7745 (25'5")
Digging depth	0°	mm (ft.in)	90 (3.5")	90 (3.5")
	10°	mm (ft.in)	375 (1'3")	385 (1'3")
Breakout force		kN	196	189
		kgf (lb)	20,000 (34,060)	19300 (42,490)
Operating weight		kg (lb)	25085 (55,310)	25265 (55,710)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

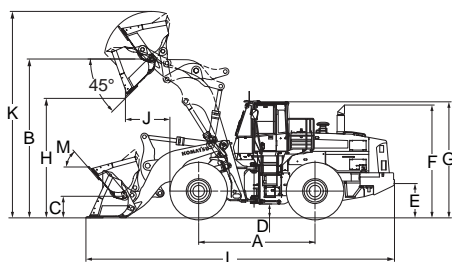
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Performance Data Dimensions

WHEEL LOADERS

WA500-8 (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	
Standard boom	4755 (15'7")
High lift boom	5165 (16'11")
C Hinge pin height, carry position	
Standard boom	575 (1'11")
High lift boom	700 (2'4")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5 R25 (L3) tires

Bucket type			Standard Boom 3850mm (12'8")				
			Stockpile Bucket		Excavating Bucket		
			Straight Edge B.O.C	Straight Edge Teeth	Straight Edge B.O.C	Straight Edge Teeth & segment	Straight Edge Teeth
Bucket capacity	Heaped	m ³ (yd ³)	5.8 (7.6)	5.5 (7.2)	5.2 (6.8)	5.2 (6.8)	5.0 (6.5)
	Struck	m ³ (yd ³)	4.9 (6.4)	4.6 (6.0)	4.2 (5.5)	4.2 (5.5)	4.0 (5.2)
Bucket width		mm (ft.in)	3400 (11'2")	3460 (11'4")	3400 (11'2")	3460 (11'4")	3460 (11'4")
Bucket weight		kg (lb)	3210 (7,080)	3055 (6,735)	3055 (6,740)	3145 (6,930)	2900 (6,390)
Static tipping load	Straight	kg (lb)	27280 (60,140)	27340 (60,270)	27380 (60,360)	26670 (58,800)	26920 (59,350)
	Full turn (40°)	kg (lb)	24740 (54,540)	24800 (54,670)	24840 (54,760)	24120 (53,170)	24370 (53,730)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3275 (10'9")	3145 (10'4")	3395 (11'2")	3265 (10'9")	3265 (10'9")
Reach at 2130 mm (7') clearance and 45° dump angle**		mm (ft.in)	2315 (7'7")	2355 (7'9")	2215 (7'3")	2285 (7'6")	2285 (7'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1525 (5'0")	1625 (5'4")	1400 (4'7")	1495 (4'11")	1495 (4'11")
Reach with arm horizontal and bucket level**		mm (ft.in)	3295 (10'10")	3455 (11'4")	3120 (10'3")	3280 (10'9")	3280 (10'9")
K. Operating height (fully raised)		mm (ft.in)	6470 (21'3")	6470 (21'3")	6415 (21'1")	6415 (21'1")	6415 (21'1")
L. Overall length, bucket on ground		mm (ft.in)	9945 (32'8")	10105 (33'2")	9770 (32'1")	9930 (32'7")	9930 (32'7")
Turning radius*		mm (ft.in)	8225 (27'0")	8300 (27'3")	8180 (26'10")	8255 (27'1")	8255 (27'1")
Digging depth	0°	mm (ft.in)	135 (5.3")	155 (6.1")	135 (5.3")	155 (6.1")	155 (6.1")
	10°	mm (ft.in)	440 (1'5")	485 (1'7")	410 (1'4")	460 (1'6")	460 (1'6")
Breakout force		kN kgf (lb)	240 24470 (53,950)	258 26300 (57,980)	268 27300 (60,190)	274 27950 (61,620)	288 29400 (64,820)
Operating weight		kg (lb)	35040 (77,250)	34885 (76,910)	34885 (76,910)	34975 (77,110)	34730 (76,570)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

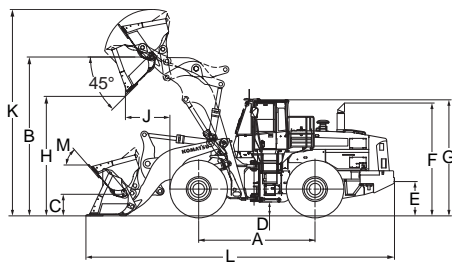
Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove additional counterweight	-900	-1,980	-1860	-4,100	-1570	-3,460

Performance Data Dimensions

WHEEL LOADERS

WA500-8 (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	
Standard boom	4755 (15'7")
High lift boom	5165 (16'11")
C Hinge pin height, carry position	
Standard boom	575 (1'11")
High lift boom	700 (2'4")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 26.5-25-16PR (L3) tires

Bucket type			Standard Boom 3850mm (12'8")		
			Rock Bucket		Loose Material Bucket
			Spade nose teeth & segment	Spade nose Teeth	Straight Edge B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	5.0 (6.5)	4.7 (6.1)	6.3 (8.2)
	Struck	m ³ (yd ³)	4.2 (5.5)	4.0 (5.2)	5.3 (6.9)
Bucket width		mm (ft.in)	3400 (11'2")	3400 (11'2")	3400 (11'2")
Bucket weight		kg (lb)	3745 (8,260)	3490 (7,690)	3485 (6,680)
Static tipping load	Straight	kg (lb)	25950 (57,210)	26310 (58,000)	27050 (59,630)
	Full turn (40°)	kg (lb)	23410 (51,610)	23770 (52,400)	24510 (54,030)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3030 (90'11")	3030 (90'11")	3210 (10'6")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2400 (7'10")	2400 (7'10")	2350 (7'9")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1725 (5'8")	1725 (5'8")	1585 (5'2")
Reach with arm horizontal and bucket level**		mm (ft.in)	3610 (11'10")	3610 (11'10")	3385 (11'1")
K. Operating height (fully raised)		mm (ft.in)	6630 (21'9")	6630 (21'9")	6540 (21'5")
L. Overall length, bucket on ground		mm (ft.in)	10255 (33'8")	10255 (33'8")	10035 (32'11")
Turning radius*		mm (ft.in)	8215 (26'11")	8215 (26'11")	8275 (27'2")
Digging depth	0°	mm (ft.in)	165 (6.5")	165 (6.5")	135 (5.3")
	10°	mm (ft.in)	525 (1'9")	525 (1'9")	455 (1'6")
Breakout force		kN kgf (lb)	233 23,800 (52,470)	243 24,750 (54,560)	227 23,200 (51,150)
Operating weight		kg (lb)	35575 (78,430)	35320 (77,870)	35315 (77,860)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

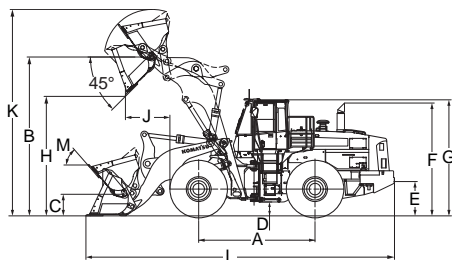
Tires or attachments	Change in Operating Weight		Change in Tipping Load			
	kg	lb	Straight		Full Turn	
			kg	lb	kg	lb
Remove additional counterweight	-900	-1,980	-1860	-4,100	-1570	-3,460

Performance Data Dimensions

WHEEL LOADERS

WA500-8 (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	
Standard boom	4755 (15'7")
High lift boom	5165 (16'11")
C Hinge pin height, carry position	
Standard boom	575 (1'11")
High lift boom	700 (2'4")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5 R25 (L3) tires

Bucket type			High Lift Boom 3990mm (13'1")				
			Excavating Bucket			Rock Bucket	
			Straight Edge B.O.C	Straight Edge Teeth & segment	Straight Edge Teeth	Spade nose Teeth & segment	Spade nose Teeth
Bucket capacity	Heaped	m ³ (yd ³)	4.5 (5.9)	4.5 (5.9)	4.3 (5.6)	4.5 (5.9)	4.3 (5.6)
	Struck	m ³ (yd ³)	3.7 (4.8)	3.7 (4.8)	3.5 (4.6)	3.8 (5.0)	3.7 (4.8)
Bucket width		mm (ft.in)	3400 (11'2")	3460 (11'4")	3460 (11'4")	3400 (11'2")	3400 (11'2")
Bucket weight		kg (lb)	2885 (6,360)	2975 (6,560)	2730 (6,020)	3640 (8,020)	3385 (7,460)
Static tipping load	Straight	kg (lb)	23070 (50,860)	22940 (50,570)	23250 (51,260)	22230 (49,010)	22560 (49,740)
	Full turn (40°)	kg (lb)	20820 (45,900)	20690 (55,610)	20990 (46,270)	19980 (44,050)	20310 (44,780)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3890 (12'9")	3760 (12'4")	3760 (12'4")	3485 (11'5")	3485 (11'5")
Reach at 2130 mm (7') clearance and 45° dump angle**		mm (ft.in)	2585 (8'6")	2645 (8'8")	2645 (8'8")	2795 (9'2")	2795 (9'2")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1435 (4'8")	1530 (5'0")	1530 (5'0")	1790 (5'10")	1790 (5'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	3385 (11'1")	3545 (11'8")	3545 (11'8")	3925 (12'11")	3925 (12'11")
K. Operating height (fully raised)		mm (ft.in)	6715 (22'0")	6715 (22'0")	6715 (22'0")	6970 (22'10")	6970 (22'10")
L. Overall length, bucket on ground		mm (ft.in)	10130 (33'3")	10290 (33'9")	10290 (33'9")	10670 (35'0")	10670 (35'0")
Turning radius*		mm (ft.in)	8315 (27'3")	8440 (27'8")	8440 (27'8")	8415 (27'7")	8415 (27'7")
Digging depth	0°	mm (ft.in)	210 (8.3")	235 (9.3")	235 (9.3")	245 (9.6")	245 (9.6")
	10°	mm (ft.in)	470 (1'7")	520 (1'8")	520 (1'8")	595 (1'11")	595 (1'11")
Breakout force	kN		286	294	310	252	263
	kgf (lb)		29140 (64,240)	30000 (66,140)	31620 (69,710)	25690 (56,640)	26820 (59,130)
Operating weight		kg (lb)	34880 (76,900)	34970 (77,090)	34725 (76,550)	35635 (78,560)	35380 (78,000)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

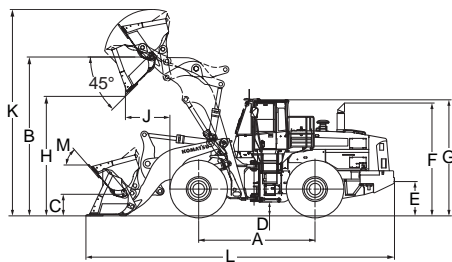
Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove additional counterweight	-900	-1,980	-1860	-4,100	-1570	-3,460

Performance Data Dimensions

WHEEL LOADERS

WA500-8 (USA source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	
Standard boom	4755 (15'7")
High lift boom	5165 (16'11")
C Hinge pin height, carry position	
Standard boom	575 (1'11")
High lift boom	700 (2'4")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5-25-22PR (L-3) tires

Bucket type			Standard Boom			High Lift Boom
			Stockpile Bucket	Excavating Bucket	Loose Material Bucket	Excavating Bucket
			Straight Edge B.O.C.	Straight Edge B.O.C.	Straight Edge B.O.C.	Straight Edge B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	5.8 (7.6)	5.2 (6.8)	6.3 (8.2)	4.5 (5.9)
	Struck	m ³ (yd ³)	4.9 (6.4)	4.2 (5.5)	5.3 (6.9)	3.7 (4.8)
Bucket width		mm (ft.in)	3400 (11'2")	3400 (11'2")	3400 (11'2")	3400 (11'2")
Bucket weight		kg (lb)	3210 (7,077)	3055 (6,735)	3485 (7,683)	2885 (6,360)
Static tipping load	Straight	kg (lb)	27280 (60,142)	27380 (60,363)	27050 (59,635)	23070 (50,861)
	Full turn (40°)	kg (lb)	24740 (53,947)	24840 (54,763)	24510 (54,035)	20820 (45,900)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3275 (10'9")	3395 (11'2")	3210 (10'6")	3890 (12'9")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2315 (7'7")	2215 (7'3")	2350 (7'8")	2585 (8'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1525 (5'0")	1400 (4'7")	1585 (5'2")	1435 (4'8")
Reach with arm horizontal and bucket level**		mm (ft.in)	3295 (10'10")	3120 (10'3")	3385 (11'1")	3385 (11'1")
K. Operating height (fully raised)		mm (ft.in)	6470 (21'3")	6415 (21'1")	6540 (21'5")	6715 (22'0")
L. Overall length, bucket on ground		mm (ft.in)	9945 (32'8")	9770 (32'1")	10035 (32'11")	10130 (33'3")
Turning radius*		mm (ft.in)	8225 (27'0")	8180 (26'10")	8275 (27'2")	8315 (27'3")
Digging depth	0°	mm (ft.in)	135 (5.3")	135 (5.3")	135 (5.3")	210 (8")
	10°	mm (ft.in)	440 (1'5")	410 (1'4")	455 (1'6")	470 (1'7")
Breakout force		kN	240	268	227	286
		kgf (lb)	24470 (53,947)	27300 (60,185)	23200 (51,150)	29140 (64,245)
Operating weight		kg (lb)	35040 (77,250)	34885 (76,908)	35315 (77,856)	34880 (76,897)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

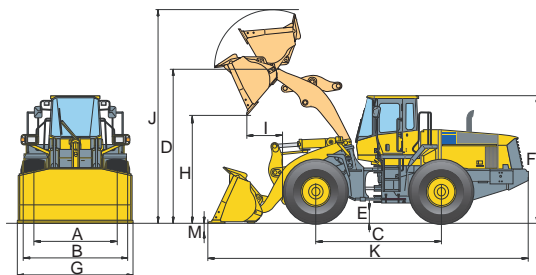
Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove additional counterweight	-900	-1980	-1860	-4100	-1570	-3460

Performance Data Dimensions

WHEEL LOADERS

WA500-8 (Germany source)



Unit: mm (ft.in)

A Tread	2400 (7'10")
B Width over tires	3150 (10'4")
C Wheelbase	3780 (12'5")
D Hinge pin height, max. height	4770 (15'8")
E Ground clearance	465 (1'6")
F Overall height, ROPS cab	3800 (12'6")
Turning radius at corner of tires	7050 (23'2")

Measured with 29.5 R25 (XHA2) tires and additional rear counterweight

Bucket type			Universal Bucket with straight edge		Rock Bucket with straight edge	
			with Teeth	with B.O.C	with Teeth	with B.O.C
Bucket capacity	Heaped	m ³ (yd ³)	5.3 (6.9)	5.6 (7.3)	5.6 (7.3)	5.6 (7.3)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	3430 (11'3")	3430 (11'3")	3460 (11'4")	3460 (11'4")
Bucket weight		kg (lb)	2860 (6,305)	2905 (6,404)	3665 (8,080)	3405 (7,507)
Static tipping load	Straight	kg (lb)	26775 (59,030)	26510 (58,440)	25550 (56,330)	25895 (57,090)
	Full turn (40°)	kg (lb)	24210 (53,370)	23965 (52,830)	23015 (50,740)	23360 (51,500)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3235 (10'7")	3385 (11'1")	3175 (10'5")	3380 (11'1")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1560 (5'1")	1380 (4'6")	1535 (5'0")	1370 (4'6")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	6515 (21'4")	6515 (21'4")	6750 (22'0")	6750 (22'2")
K. Overall length, bucket on ground		mm (ft.in)	9990 (32'9")	9780 (32'1")	10070 (33'0")	9789 (32'1")
Turning radius*		mm (ft.in)	8235 (27'0")	8180 (26'10")	8275 (27'2")	8195 (26'11")
M. Digging depth	0°	mm (ft.in)	125 (4.9")	150 (5.9")	190 (7.5")	160 (6.3")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN	276	262	261	262
		kgf (lb)	28150 (62,060)	26720 (58,920)	26620 (58,690)	26720 (58,920)
Operating weight		kg (lb)	35110 (77,400)	35155 (77,500)	35920 (79,190)	35660 (78,620)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

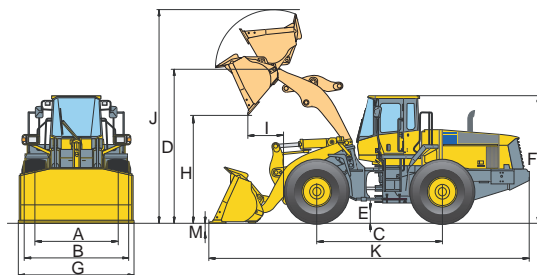
Weight Dimension Changes

Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change in Reach at 45°		Change in Vertical Dimensions		Overall Length	
			Straight		Full Turn									
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in	mm	ft.in
without additional counterweight	-900	-1,985	-1895	-4,180	-1595	-3,515	–	–	–	–	–	–	–	–
29.5 R25 XMINE tires	+1080	+2,380	+755	+1,665	+755	+1,665	+55	+2.2"	-20	+0.8"	+25	+1.0"	-20	+0.8"
High lift boom (with additional counter weight)	+360	+795	-4395	-9,690	-4070	-8,970	–	–	+120	+4.7"	+410	+1'4"	+485	+1'7"

Performance Data Dimensions

WHEEL LOADERS

WA500-8 (Germany source)



Unit: mm (ft.in)

A Tread	2400 (7'10")
B Width over tires	3150 (10'4")
C Wheelbase	3780 (12'5")
D Hinge pin height, max. height	4770 (15'8")
E Ground clearance	465 (1'6")
F Overall height, ROPS cab	3800 (12'6")
Turning radius at corner of tires	7050 (23'2")

Measured with 29.5 R25 (XHA2) tires and additional rear counterweight

Bucket type			Rock Bucket with spade nose		Stockpile Bucket with straight edge	
			with Teeth & Seg.	with B.O.C.	with Teeth	with B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	5.6 (7.3)	5.6 (7.3)	6.0 (7.8)	6.3 (8.2)
	Struck	m ³ (yd ³)	–	–	–	–
G. Bucket width		mm (ft.in)	3460 (11'4")	3460 (11'4")	3430 (11'3")	3430 (11'3")
Bucket weight		kg (lb)	3875 (8,543)	3615 (7,628)	3064 (6,755)	3110 (6,856)
Static tipping load	Straight	kg (lb)	25015 (55,150)	25420 (56,040)	26295 (57,970)	26010 (57,340)
	Full turn (40°)	kg (lb)	22505 (49,620)	22905 (50,500)	23755 (52,370)	23490 (51,790)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3010 (9'11")	3205 (10'6")	3150 (10'4")	3300 (10'10")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	–	–	–	–
I. Reach at max. height and 45° dump angle**		mm (ft.in)	1700 (5'7")	1545 (5'1")	1650 (5'5")	1465 (4'10")
Reach with arm horizontal and bucket level**		mm (ft.in)	–	–	–	–
J. Operating height (fully raised)		mm (ft.in)	6750 (22'2")	6750 (22'2")	6665 (21'10")	6665 (21'10")
K. Overall length, bucket on ground		mm (ft.in)	10300 (33'10")	10035 (32'11")	10115 (33'4")	9905 (32'6")
Turning radius*		mm (ft.in)	8275 (27'2")	8265 (27'1")	8270 (27'2")	8215 (26'11")
M. Digging depth	0°	mm (ft.in)	190 (7.5")	160 (6.3")	125 (4.9")	150 (5.9")
	10°	mm (ft.in)	–	–	–	–
Breakout force		kN	227	225	254	242
		kgf (lb)	23150 (51,050)	22950 (50,600)	25910 (57,120)	24680 (54,420)
Operating weight		kg (lb)	36130 (79,650)	35870 (79,080)	35315 (77,860)	35365 (77,970)

* Bucket at carry, outside corner of bucket

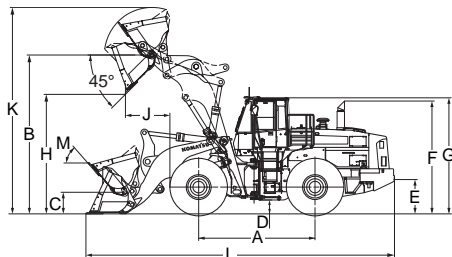
** At the end of B.O.C. or teeth

Performance Data Dimensions

WHEEL LOADERS

WA500-7 (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	4755 (15'7")
C Hinge pin height, carry position	575 (1'11")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5 R25 (L3) tires

Bucket type			Standard Boom 3850mm (12'8")			
			Stockpile Buckets		Excavating Bucket	Loose Material Bucket
			Straight Edge B.O.C.		Straight Edge B.O.C.	Straight Edge B.O.C.
Bucket capacity	Heaped	m ³ (yd ³)	5.6 (7.3)	5.2 (6.8)	6.3 (8.2)	
	Struck	m ³ (yd ³)	4.8 (6.3)	4.2 (5.5)	5.3 (6.9)	
Bucket width		mm (ft.in)	3400 (11'2")	3400 (11'2")	3400 (11'2")	
Bucket weight		kg (lb)	3110 (6,860)	3055 (6,735)	3485 (7,680)	
Static tipping load	Straight	kg (lb)	25150 (55,450)	25190 (55,530)	24860 (54,810)	
	Full turn (40°)	kg (lb)	22860 (50,400)	22900 (50,490)	22570 (49,760)	
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3295 (10'10")	3395 (11'2")	3210 (10'6")	
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2300 (7'7")	2215 (7'3")	2350 (7'9")	
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1500 (4'11")	1400 (4'7")	1585 (5'2")	
Reach with arm horizontal and bucket level**		mm (ft.in)	3265 (10'9")	3120 (10'3")	3385 (11'1")	
K. Operating height (fully raised)		mm (ft.in)	6430 (21'1")	6415 (21'1")	6540 (21'5")	
L. Overall length, bucket on ground		mm (ft.in)	9915 (32'6")	9770 (32'1")	10035 (32'11")	
Turning radius*		mm (ft.in)	8220 (27'0")	8180 (26'10")	8250 (27'1")	
Digging depth	0°	mm (ft.in)	135 (5.3")	135 (5.3")	135 (5.3")	
	10°	mm (ft.in)	435 (1'5")	410 (1'4")	455 (1'6")	
Breakout force		kN	245	268	227	
		kgf (lb)	25000 (55,120)	27300 (60,190)	23200 (51,150)	
Operating weight		kg (lb)	33850 (74,630)	33805 (74,530)	34225 (75,450)	

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Weight Changes

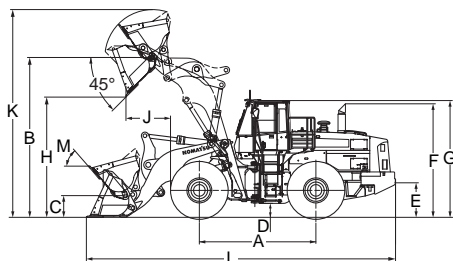
Tires or attachments	Change in Operating Weight		Change in Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove additional counterweight	+900	+1980	+1990	+4,390	+1720	+3,790

Performance Data Dimensions

WHEEL LOADERS

WA500-6 (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	4755 (15'7")
C Hinge pin height, carry position	575 (1'11")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5-25-22PR (L3) tires

Bucket type			Standard boom				
			Stockpile Buckets		Excavating Buckets		
			Straight edge Bolt-on Cutting Edges	Straight edge Teeth	Straight edge Bolt-on Cutting Edges	Straight edge Teeth and Segments	Straight edge Teeth
Bucket capacity	Heaped	m ³ (yd ³)	5.6 (7.3)	5.3 (6.9)	5.2 (6.8)	5.2 (6.8)	5.0 (6.5)
	Struck	m ³ (yd ³)	4.8 (6.3)	4.5 (5.9)	4.2 (5.5)	4.2 (5.5)	4.0 (5.2)
Bucket width		mm (ft.in)	3400 (11'2")	3460 (11'4")	3400 (11'2")	3460 (11'4")	3460 (11'4")
Bucket weight		kg (lb)	3110 (6,855)	2955 (6,515)	3055 (6,735)	3145 (6,935)	2900 (6,395)
Static tipping load	Straight	kg (lb)	23450 (51,700)	23650 (52,140)	23600 (52,030)	23490 (51,785)	22850 (50,375)
	Full turn (40°)	kg (lb)	20400 (44,975)	20575 (45,360)	20500 (45,195)	20405 (44,985)	19870 (43,805)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3295 (10'10")	3165 (10'5")	3395 (11'2")	3265 (10'9")	3265 (10'9")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	2300 (7'7")	2340 (7'8")	2215 (7'3")	2285 (7'6")	2285 (7'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1500 (4'11")	1600 (5'3")	1400 (4'7")	1495 (4'11")	1495 (4'11")
Reach with arm horizontal and bucket level		mm (ft.in)	3265 (10'9")	3425 (11'3")	3120 (10'3")	3280 (10'9")	3280 (10'9")
K. Operating height (fully raised)		mm (ft.in)	6430 (21'1")	6430 (21'1")	6415 (21'1")	6415 (21'1")	6415 (21'1")
L. Overall length		mm (ft.in)	9815 (32'2")	9975 (32'9")	9670 (31'9")	9790 (32'1")	9790 (32'1")
Turning radius*		mm (ft.in)	7650 (25'1")	7730 (25'3")	7610 (25'0")	7690 (25'3")	7690 (25'3")
Digging depth	0°	mm (ft.in)	135 (5")	155 (6")	135 (5")	155 (6")	155 (6")
	10°	mm (ft.in)	435 (1'5")	485 (1'7")	410 (1'4")	460 (1'6")	460 (1'6")
Breakout force		kN kgf (lb)	245 25000 (55,115)	262 26750 (58,975)	268 27300 (60,185)	274 27950 (61,620)	288 29400 (64,815)
Operating weight		kg (lb)	32220 (71,030)	32065 (70,690)	32165 (70,910)	32255 (71,110)	32010 (70,570)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

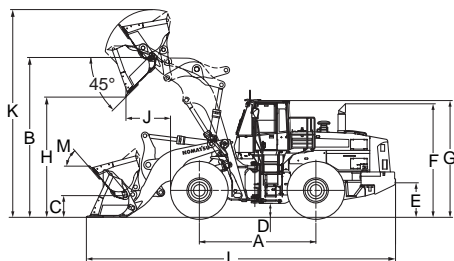
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
Apply the following weight changes to operating weight and static tipping load.

Performance Data Dimensions

WHEEL LOADERS

WA500-6 (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	4755 (15'7")
C Hinge pin height, carry position	575 (1'11")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5-25-22PR (L3) tires

Bucket type			Standard boom		High lift boom		
			Rock Buckets		Excavating Buckets		
			Spade nose Teeth and Segments	Spade nose Teeth	Straight edge Bolt-on Cutting Edges	Straight edge Teeth and Segments	Straight edge Teeth
Bucket capacity	Heaped	m ³ (yd ³)	5.0 (6.5)	4.7 (6.1)	4.5 (5.9)	4.5 (5.9)	4.3 (5.6)
	Struck	m ³ (yd ³)	4.2 (5.5)	4.0 (5.2)	3.7 (4.8)	3.7 (4.8)	3.5 (4.6)
Bucket width		mm (ft.in)	3460 (11'4")	3460 (11'4")	3400 (11'2")	3460 (11'4")	3460 (11'4")
Bucket weight		kg (lb)	3745 (8,255)	3490 (7,695)	2885(6,360)	2975(6,560)	2730(6,020)
Static tipping load	Straight	kg (lb)	22850 (50,375)	23170 (51,080)	21555 (47,520)	21440 (47,265)	21745 (47,940)
	Full turn (40°)	kg (lb)	19870 (43,805)	20150 (44,425)	18750 (41,335)	18650 (41,115)	18915 (41,700)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3030 (9'11")	3030 (9'11")	3890 (12'9")	3920 (12'10")	3920 (12'10")
Reach at 2130 mm (7") clearance and 45° dump angle		mm (ft.in)	2400 (7'10")	2400 (7'10")	2585 (8'6")	2645 (8'8")	2645 (8'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1725 (5'8")	1725 (5'8")	1435 (4'8")	1405 (4'7")	1405 (4'7")
Reach with arm horizontal and bucket level		mm (ft.in)	3610 (11'10")	3610 (11'10")	3385 (11'1")	3545 (11'8")	3545 (11'8")
K. Operating height (fully raised)		mm (ft.in)	6630 (21'9")	6630 (21'9")	6715 (22'0")	6715 (22'0")	6715 (22'0")
L. Overall length		mm (ft.in)	10155 (33'4")	10155 (33'4")	10030 (32'11")	10190 (33'5")	10190 (33'5")
Turning radius*		mm (ft.in)	7645 (25'1")	7645 (25'1")	7805 (25'7")	7890 (25'11")	7890 (25'11")
Digging depth	0°	mm (ft.in)	165 (6")	165 (6")	210 (8")	235 (9")	235 (9")
	10°	mm (ft.in)	525 (1'9")	525 (1'9")	470(1'7")	520(1'8")	520(1'8")
Breakout force		kN kgf (lb)	233 23800 (52,470)	243 24750 (54,565)	286 29,140 (64,245)	294 30000 (66,140)	310 31620 (69,710)
Operating weight		kg (lb)	32855 (72,435)	32600 (71,870)	33240 (73,280)	33330 (73,480)	33085 (72,940)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
 - Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
 - Machine stability and operating weight affected by counterweight, tire size, and other attachments.
- Apply the following weight changes to operating weight and static tipping load.

Weight Changes

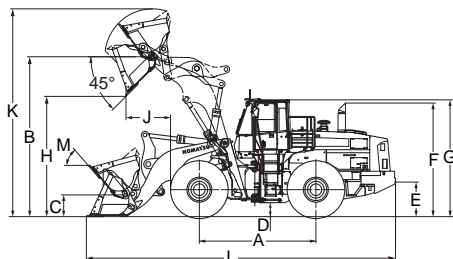
	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
29.5-25-22PR (L3)	0	0	0	0	0	0	3190	10'6"	450	1'6"	0	0"
Install additional counterweight	+900	+1,985	+1865	+4,110	+1645	+3,625						
Air conditioner	+65	+145	+33	+75	+30	+65						
Emergency steering	+70	+155	+65	+145	+55	+120						
Lock-up clutch torque converter	+45	+100	+60	+130	+50	+110						
ECCS (Electronically Controlled Suspension System)	+120	+265	+13	+30	+11	+24						

Performance Data Dimensions

WHEEL LOADERS

WA500-6R (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	4755 (15'7")
C Hinge pin height, carry position	575 (1'11")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5-25-22PR (L3) tires

Bucket type			Standard boom				
			Stockpile Buckets		Excavating Buckets		
			Straight edge Bolt-on Cutting Edges	Straight edge Teeth	Straight edge Bolt-on Cutting Edges	Straight edge Teeth and Segments	Straight edge Teeth
Bucket capacity	Heaped	m ³ (yd ³)	5.6 (7.3)	5.3 (6.9)	5.2 (6.8)	5.2 (6.8)	5.0 (6.5)
	Struck	m ³ (yd ³)	4.8 (6.3)	4.5 (5.9)	4.2 (5.5)	4.2 (5.5)	4.0 (5.2)
Bucket width		mm (ft.in)	3400 (11'2")	3460 (11'4")	3400 (11'2")	3460 (11'4")	3460 (11'4")
Bucket weight		kg (lb)	3110 (6,855)	2955 (6,515)	3055 (6,735)	3145 (6,935)	2900 (6,395)
Static tipping load	Straight	kg (lb)	24300 (53,570)	24500 (54,010)	24450 (53,900)	24340 (53,660)	24655 (54,355)
	Full turn (40°)	kg (lb)	21000 (46,295)	21170 (46,670)	21130 (46,580)	21035 (46,370)	21305 (46,965)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3295 (10'10")	3165 (10'5")	3395 (11'2")	3265 (10'9")	3265 (10'9")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	2300 (7'7")	2340 (7'8")	2215 (7'3")	2285 (7'6")	2285 (7'6")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1500 (4'11")	1600 (5'3")	1400 (4'7")	1495 (4'11")	1495 (4'11")
Reach with arm horizontal and bucket level		mm (ft.in)	3265 (10'9")	3425 (11'3")	3120 (10'3")	3280 (10'9")	3280 (10'9")
K. Operating height (fully raised)		mm (ft.in)	6430 (21'1")	6430 (21'1")	6415 (21'1")	6415 (21'1")	6415 (21'1")
L. Overall length		mm (ft.in)	9815 (32'2")	9975 (32'9")	9670 (31'9")	9790 (32'1")	9790 (32'1")
Turning radius*		mm (ft.in)	7650 (25'1")	7730 (25'3")	7610 (25'0")	7690 (25'3")	7690 (25'3")
Digging depth	0°	mm (ft.in)	135 (5")	155 (6")	135 (5")	155 (6")	155 (6")
	10°	mm (ft.in)	435 (1'5")	485 (1'7")	410 (1'4")	460 (1'6")	460 (1'6")
Breakout force		kN kgf (lb)	245 25000 (55,115)	262 26750 (58,975)	268 27300 (60,185)	274 27950 (61,620)	288 29400 (64,815)
Operating weight		kg (lb)	33360 (73,545)	33205 (73,200)	33305 (73,425)	33395 (73,620)	33150 (73,080)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

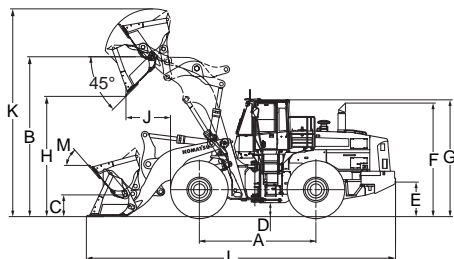
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

Performance Data Dimensions

WHEEL LOADERS

WA500-6R (Japan source)

Unit: mm (ft.in)



Tread	2400 (7'10")
Width over tires	3190 (10'6")
A Wheelbase	3780 (12'5")
B Hinge pin height, max. height	4755 (15'7")
C Hinge pin height, carry position	575 (1'11")
D Ground clearance	450 (1'6")
E Hitch height	1115 (3'8")
F Overall height, top of the stack	3665 (12'0")
G Overall height, ROPS cab	3785 (12'5")
M Tilt back angle	50°

Measured with 29.5-25-22PR (L3) tires

Bucket type			Standard boom		High lift boom		
			Rock Buckets		Excavating Buckets		
			Spade nose Teeth and Segments	Spade nose Teeth	Straight edge Bolt-on Cutting Edges	Straight edge Teeth and Segments	Straight edge Teeth
Bucket capacity	Heaped	m ³ (yd ³)	5.0 (6.5)	4.7 (6.1)	4.5 (5.9)	4.5 (5.9)	4.3 (5.6)
	Struck	m ³ (yd ³)	4.2 (5.5)	4.0 (5.2)	3.7 (4.8)	3.7 (4.8)	3.5 (4.6)
Bucket width		mm (ft.in)	3460 (11'4")	3460 (11'4")	3400 (11'2")	3460 (11'4")	3460 (11'4")
Bucket weight		kg (lb)	3745 (8,255)	3490 (7,695)	2885 (6,360)	2975 (6,560)	2730 (6,020)
Static tipping load	Straight	kg (lb)	23700 (52,245)	24020 (52,955)	22405 (49,395)	22290 (49,140)	22595 (49,810)
	Full turn (40°)	kg (lb)	20480 (45,150)	20755 (45,755)	19360 (42,680)	19260 (42,460)	19525 (43,045)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3030 (9'11")	3030 (9'11")	3890 (12'9")	3760 (12'4")	3760 (12'4")
Reach at 2130 mm (7") clearance and 45° dump angle		mm (ft.in)	2400 (7'10")	2400 (7'10")	2585 (8'6")	2645 (8'8")	2645 (8'8")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1725 (5'8")	1725 (5'8")	1435 (4'8")	1530 (5'0")	1530 (5'0")
Reach with arm horizontal and bucket level		mm (ft.in)	3610 (11'10")	3610 (11'10")	3385 (11'1")	3545 (11'8")	3545 (11'8")
Operating height (fully raised)		mm (ft.in)	6630 (21'9")	6630 (21'9")	6715 (22'0")	6715 (22'0")	6715 (22'0")
K. Overall length		mm (ft.in)	10155 (33'4")	10155 (33'4")	10030 (32'11")	10190 (33'5")	10190 (33'5")
L. Turning radius*		mm (ft.in)	7645 (25'1")	7645 (25'1")	7805 (25'7")	7890 (25'11")	7890 (25'11")
Digging depth	0°	mm (ft.in)	165 (6")	165 (6")	210 (8")	235 (9")	235 (9")
	10°	mm (ft.in)	525 (1'9")	525 (1'9")	470(1'7")	520(1'8")	520(1'8")
Breakout force		kN kgf (lb)	233 23800 (52,470)	243 24750 (54,565)	286 29,140 (64,245)	294 30000 (66,140)	310 31620 (69,710)
Operating weight		kg (lb)	33995 (75,945)	33740 (74,380)	34380 (75,795)	34470 (75,990)	34225 (75,450)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
 - Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
 - Machine stability and operating weight affected by counterweight, tire size, and other attachments.
- Apply the following weight changes to operating weight and static tipping load.

Weight Changes

	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
29.5-25-22PR (L3)	0	0	0	0	0	0	3190	10'6"	450	1'6"	0	0"
Install additional counterweight	+900	+1,985	+1865	+4,110	+1645	+3,625						
Air conditioner	+65	+145	+33	+75	+30	+65						
Emergency steering	+70	+155	+65	+145	+55	+120						
Lock-up clutch torque converter	+45	+100	+60	+130	+50	+110						
ECCS (Electronically Controlled Suspension System)	+120	+265	+13	+30	+11	+24						

**Performance Data
Dimensions**

WHEEL LOADERS

WA500-3 (Japan source)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (straight edge) with teeth	4.3 (5.6)	3.7 (4.8)	3460 (11'4")	2570 (5,670)	27000 (59,520)
II Excavating bucket (spade nose) with tip teeth	4.3 (5.6)	3.7 (4.8)	3400 (11'2")	2960 (6,530)	21780 (48,020)
III Stockpile bucket with bolt on cutting edge without teeth ; Loading stockpile products	5.0 (6.5)	4.3 (5.6)	3400 (11'2")	2760 (6,080)	23700 (52,250)
IV Loose material bucket with bolt on cutting edge	5.5 (7.2)	4.7 (6.1)	3400 (11'2")	2880 (6,350)	21200 (46,740)

Tires/Buckets	Operating weight kg(lb)							
	I	II	III	IV				
26.5-25-20PR (L3)	28220 (62,210)	28610 (63,070)	28410 (62,630)	27910 (61,530)				
29.5-25-22PR (L3)	28770 (63,430)	29160 (64,290)	28960 (63,850)	28460 (62,750)				
26.5-25-20PR (L4)	28620 (63,100)	29010 (63,960)	28810 (63,520)	28310 (62,420)				
26.5-25-20PR (L5)	28980 (63,890)	29370 (64,750)	29170 (64,310)	28670 (63,210)				
29.5-25-28PR (L4)	29310 (64,620)	29700 (65,480)	29500 (65,040)	29000 (63,940)				

Tires/Buckets	Static tipping load kg(lb)							
	Straight							
	I	II	III	IV				
26.5-25-20PR (L3)	21920 (48,330)	21440 (47,270)	21750 (47,950)	21610 (47,650)				
29.5-25-22PR (L3)	22330 (49,230)	21850 (48,170)	22160 (48,860)	22020 (48,550)				
26.5-25-20PR (L4)	22215 (48,980)	21735 (47,920)	22045 (48,600)	21905 (48,300)				
26.5-25-20PR (L5)	22485 (49,580)	22005 (48,520)	22315 (49,200)	22175 (48,900)				
29.5-25-28PR (L4)	22730 (50,120)	22250 (49,060)	22560 (49,740)	22420 (49,430)				

Tires/Buckets	Static tipping load kg(lb)							
	40° full turn							
	I	II	III	IV				
26.5-25-20PR (L3)	18980 (41,840)	18560 (40,920)	18830 (41,510)	18670 (41,160)				
29.5-25-22PR (L3)	19335 (42,630)	18915 (41,700)	19185 (42,300)	19025 (41,950)				
26.5-25-20PR (L4)	19235 (42,410)	18815 (41,480)	19085 (42,080)	18925 (41,730)				
26.5-25-20PR (L5)	19470 (42,930)	19050 (42,000)	19320 (42,600)	19160 (42,250)				
29.5-25-28PR (L4)	19680 (43,390)	19260 (42,470)	19530 (43,060)	19370 (42,710)				

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments.
Apply the following weight changes to operating weight and static tipping load.

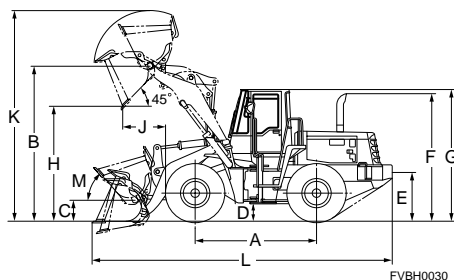
Weight Changes

	Change in operating weight kg (lb)	Change in tipping load kg (lb)	
		Straight	Full turn
Remove ROPS cab	-585 (-1,290)	-510 (-1,125)	-490 (-1,080)
Remove steel cab	-460 (-1,015)	-400 (-880)	-385 (-850)
Remove front half fender	-45 (-100)	-14 (-30)	-14 (-30)
Remove teeth	-315 (-690)	-415 (-910)	-415 (-915)
Install additional counterweight	+1000 (+2,205)	+2400 (+5,290)	+2000 (+4,410)

**Performance Data
Dimensions**

WHEEL LOADERS

WA500-3 (Japan source)



FVBH0030

		26.5-25 tires	29.5-25 tires
Tread		2400(7'10")	2400 (7'10")
Width over tires		3090 (10'2")	3190 (10'6")
A Wheelbase		3600 (11'10")	3600 (11'10")
B Hinge pin height, max. height		4455 (14'7")	4500 (14'9")
C Hinge pin height, carry position		520 (1'8")	565 (1'10")
D Ground clearance		405 (1'4")	450 (1'5")
E Hitch height		1195 (3'11")	1240 (4'1")
F Overall height, top of the stack		3660 (12')	3705 (12'2")
G Overall height, ROPS canopy		3815 (12'6")	3860 (12'8")
M Tilt back angle			48°

Measured with 26.5-25 tires

	Buckets	I	II	III	IV
H. Dumping clearance, max. height and 45° dump angle**		3025 (9'11")	2770 (9'1")	3125 (10'3")	3015 (9'11")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		2030 (6'8")	2160 (7'1")	2060 (6'9")	2140 (7'0")
J. Reach at max. height and 45° dump angle**		1490 (4'11")	1740 (5'9")	1430 (4'8")	1540 (5'11")
Reach with arm horizontal and bucket level		2800 (9'2")	3130 (10'3")	2995 (9'10")	3150 (10'4")
K. Operating height (fully raised)		6070 (19'11")	6255 (20'6")	6130 (20'1")	6175 (20'3")
L. Overall length		9055 (29'9")	9395 (30'10")	9250 (30'4")	9405 (30'10")
Turning radius*		7390 (24'3")	7380 (24'3")	7320 (24'0")	7265 (23'10")
Digging depth	0°	180(7.1")	185 (7.3")	150 (6")	155 (6")
	10°	470 (18.5")	535 (21.1")	420 (16.5")	445 (17.5")

Measured with 29.5-25 tires

	Buckets	I	II	III	IV
H. Dumping clearance, max. height and 45° dump angle*		3070(10'1")	2815 (9'3")	3170 (10'5")	3060 (10'0")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		1995 (6'6")	2125 (7')	2025 (6'8")	2100 (6'11")
J. Reach at max. height and 45° dump angle*		1425 (4'8")	1675 (5'6")	1365 (4'6")	1480 (4'10")
Reach with arm horizontal and bucket level		2740 (9'0")	3070 (10'1")	2935 (9'8")	3090 (10'2")
K. Operating height (fully raised)		6115 (20'1")	6300 (20'8")	6175 (20'3")	6220 (20'5")
L. Overall length		9020 (29'7")	6360 (30'8")	9215(30'3")	9370 (30'9")
Turning radius*		7390 (24'3")	7380 (24'3")	7320 (24'0")	7265 (23'10")
Digging depth	0°	135 (5.3")	140 (5.5")	110 (4.3")	110 (4.3")
	10°	425 (1'5")	490 (1'7")	375 (1'3")	400 (1'4")

* Bucket at carry, outside corner of bucket.

** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

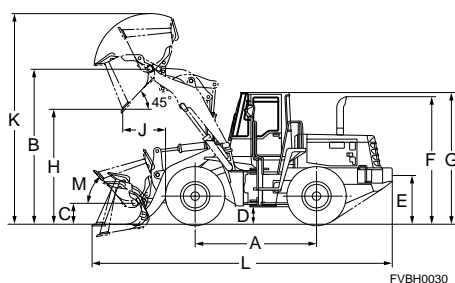
WA500-3 (with high lift boom)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (straight edge) with teeth	4.2 (5.6)	3.6 (4.8)	3460 (11'4")	2580 (5,690)	28450 (62,720)

* Excluding tire protectors

	Operating weight kg(lb)	Static tipping load kg(lb)	
		Straight	40° full turn
Tires/Buckets	I	I	I
29.5-25-22PR (L-3)	29740 (65,560)	21765 (47,980)	18800 (41,450)

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments.
Apply the following weight changes to operating weight and static tipping load.



FVBH0030

	Unit: mm (ft.in)
Tread	29.5-25 tires
Width over tires	2400 (7'20")
A Wheelbase	3190 (10'6")
B Hinge pin height, max. height	3600 (11'10")
C Hinge pin height, carry position	4905 (16'1")
D Ground clearance	565 (1'10")
E Hitch height	450 (1'5")
F Overall height, top of the stack	1240 (4'1")
G Overall height, ROPS canopy	3635 (11'11")
M Tilt back angle	3860 (12'8")
	48°

Measured with 29.5-25 tires

Unit: mm (ft.in)

	Buckets	I
H. Dumping clearance, max. height and 45° dump angle**		3565 (11'8")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		
J. Reach at max. height and 45° dump angle**		1570 (5'2")
Reach with arm horizontal and bucket level		
K. Operating height (fully raised)		6520 (21'5")
L. Overall length		9910 (32'6")
Turning radius*		7585 (24'11")
Digging depth	0°	205 (8.1")
	10°	475 (1'7")

* Bucket at carry, outside corner of bucket.

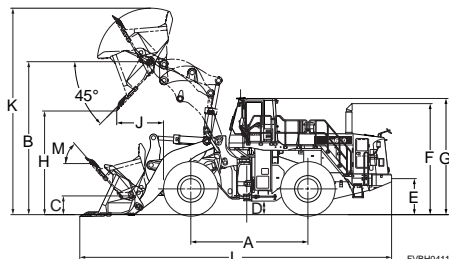
** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

WA600-8 (Japan source)

Unit: mm (ft.in)



Tires	3990 mm (13'1" Boom)
Tread	2650 (8'8")
Width over tires	3590 (11'9")
A Wheelbase	4500 (14'9")
B Hinge pin height, max. height	5885 (19'4")
C Hinge pin height, carry position	720 (2'4")
D Ground clearance	525 (1'9")
E Hitch height	1320 (4'4")
F Overall height, exhaust stack	4375 (14'4")
G Overall height, ROPS cab	4500 (14'9")
H Tilt back angle	50°

Measured with 35/65-33-36PR (L4) tires

Bucket type			3990 mm (13'1" Boom)				
			Excavating			Stockpile	Heavy-duty
			Spade nose Teeth & BSE ^{*1+2}	Straight edge Teeth & BSE ^{*2}	Straight edge B.O.C. ^{*3}	Spade nose Teeth & BSE ^{*1+2}	Spade nose Teeth & BSE ^{*2}
Bucket capacity	Heaped	m ³ (yd ³)	6.4 (8.4)	6.5 (8.5)	6.5 (8.5)	7.0 (9.2)	6.4 (8.4)
	Struck	m ³ (yd ³)	5.3 (6.9)	5.4 (7.1)	5.4 (7.1)	5.8 (7.6)	5.3 (6.9)
Bucket width		mm (ft.in)	3805 (12'8")	3685 (12'1")	3685 (12'1")	3805 (12'8")	3805 (12'8")
Bucket weight		kg (lb)	5434 (11,980)	5020 (11,070)	4745 (10,460)	5594 (12,330)	5405 (11,920)
Static tipping load	Straight	kg (lb)	38790 (85,520)	38225 (84,270)	39510 (87,100)	38620 (85,140)	38825 (85,590)
	Full turn (43°)	kg (lb)	33160 (73,110)	33530 (73,920)	33775 (74,460)	33020 (72,800)	33190 (73,170)
H. Dumping clearance, max. height and 45° dump angle		mm (ft.in)	3965 (13'0")	4180 (13'9")	4365 (14'4")	3915 (12'10")	3930 (12'11")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	3030 (9'11")	2875 (9'5")	2715 (9'1")	3065 (10'1")	3000 (9'10")
J. Reach at max. height and 45° dump angle		mm (ft.in)	1835 (6'0")	1610 (5'3")	1460 (4'9")	1885 (6'2")	1820 (6'0")
Reach with arm horizontal and bucket level		mm (ft.in)	4175 (13'8")	3870 (12'8")	3630 (11'11")	4245 (13'11")	4185 (13'9")
K. Operating height (fully raised)		mm (ft.in)	7925 (26'0")	7925 (26'0")	7925 (26'0")	8040 (26'5")	7925 (26'0")
L. Overall length, bucket on ground		mm (ft.in)	12145 (39'10")	11840 (38'10")	11600 (38'1")	12215 (40'1")	12550 (41'2")
Turning radius		mm (ft.in)	8525 (28'0")	8530 (28'0")	8450 (27'9")	8545 (28'0")	8525 (28'0")
Digging depth	0°	mm (ft.in)	130 (5.1")	135 (5.3")	105 (4.1")	130 (5.1")	170 (6.7")
	10°	mm (ft.in)	530 (1'9")	480 (1'7")	410 (1'4")	540 (1'9")	565 (1'10")
Breakout force	kN		387	448	447	375	387
	kgf (lb)		39500 (87,020)	45685 (100,720)	45580 (100,490)	38200 (84,220)	39500 (87,020)
Operating weight		kg (lb)	55740 (122,880)	55325 (121,970)	55050 (121,360)	55900 (123,240)	55710 (122,820)

- *1: New shape bucket
- *2: Bolt-on segment edges
- *3: At the end of teeth or B.O.C.

Weight Changes

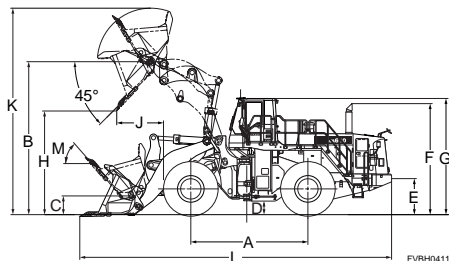
Tires or attachments	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
35/65-33-36PR (L-5)	+1000	+2,200	+715	+1,580	+620	+1,370	0	0"	0	0"	0	0"
35/65-33-42PR (L-4)	+20	+44	+10	+22	+10	+22	+15	+0.6"	0	0"	0	0"
35/65-R33 (L-4)	-780	-1,720	-565	-1,245	-485	-1,070	+25	+1.0"	-65	-2.6"	-65	-2.6"
35/65-R33 (L-5)	-235	-520	-175	-385	-150	-330	+25	+1.0"	-65	-2.6"	-65	-2.6"

Performance Data Dimensions

WHEEL LOADERS

WA600-8 (Japan source)

Unit: mm (ft.in)



Tread	3850 mm (12'8") Boom
Width over tires	2650 (8'8")
A Wheelbase	3590 (11'9")
B Hinge pin height, max. height	4500 (14'9")
C Hinge pin height, carry position	5665 (18'7")
D Ground clearance	670 (2'2")
E Hitch height	525 (1'9")
F Overall height, exhaust stack	1320 (4'4")
G Overall height, ROPS cab	4375 (14'4")
H Tilt back angle	4500 (14'9")
	50°

Measured with 35/65-33-36PR (L-4) tires

Bucket type			3850 mm (13'1") Boom			
			Excavating			Load & Carry
			Spade nose Teeth & BSE*1*2	Straight edge Teeth & BSE*2	Straight edge B.O.C.*3	Spade nose Teeth & BSE*1*2
Bucket capacity	Heaped	m ³ (yd ³)	7.0 (9.2)	7.0 (9.2)	7.0 (9.2)	7.8 (10.2)
	Struck	m ³ (yd ³)	5.8 (7.6)	5.8 (7.6)	5.8 (7.6)	6.6 (8.6)
Bucket width		mm (ft.in)	3805 (12'6")	3685 (12'1")	3685 (12'1")	3805 (12'6")
Bucket weight		kg (lb)	5594 (12,330)	4865 (10,730)	4875 (10,750)	5791 (12,770)
Static tipping load	Straight	kg (lb)	38400 (84,660)	39140 (86,290)	39130 (86,270)	42150 (92,920)
	Full turn (40°)	kg (lb)	33250 (73,300)	33850 (74,630)	33840 (74,600)	36300 (80,030)
H. Dumping clearance, max. height and 45° dump angle		mm (ft.in)	3700 (12'2")	3905 (12'10")	4105 (13'6")	3615 (11'10")
Reach at 2130 mm (7') and 45° dump angle**		mm (ft.in)	2920 (7'7")	2775 (9'1")	2670 (8'9")	2970 (9'9")
J. Reach at max. height and 45° dump angle		mm (ft.in)	1915 (6'3")	1690 (5'7")	1550 (5'1")	2000 (6'7")
Reach with arm horizontal and bucket level**		mm (ft.in)	4105 (13'6")	3800 (12'6")	3560 (11'8")	4225 (13'10")
K. Operating height (fully raised)		mm (ft.in)	7280 (23'11")	7775 (25'6")	7775 (25'6")	7885 (25'10")
L. Overall length, bucket on ground		mm (ft.in)	12030 (39'6")	11725 (38'6")	11485 (37'8")	12150 (39'10")
Turning radius		mm (ft.in)	8385 (27'6")	8460 (27'9")	8380 (27'6")	8495 (27'10")
Digging depth	0°	mm (ft.in)	130 (5.1")	140 (5.5")	100 (3.9")	130 (5.1")
	10°	mm (ft.in)	540 (1'9")	495 (1'7")	410 (1'4")	560 (1'10")
Breakout force		kN	378	433	432	355
		kgf (lb)	38600 (85,100)	44150 (97,330)	44050 (97,110)	36200 (79,810)
Operating weight		kg (lb)	54900 (121,030)	54170 (119,420)	54180 (119,450)	56740 (125,090)

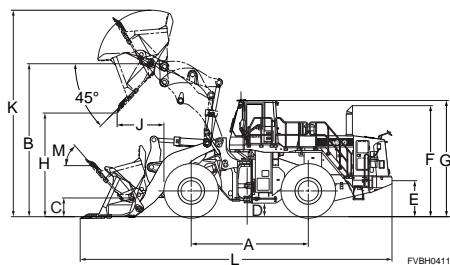
- *1: New shape bucket
- *2: Bolt-on segment edges
- *3: At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

WA600-6 (Japan source)

Unit: mm (ft.in)



	3990 mm 13'1"	3850 mm 12'8"
	Boom	Boom
Tread		2650 (8'8")
Width over tires		3540 (11'9")
A Wheelbase		4500 (14'9")
B Hinge pin height, max. height	5885 (19'3")	5665 (18'7")
C Hinge pin height, carry position	720 (2'4")	670 (2'3")
D Ground clearance		525 (1'9")
E Hitch height		1385 (4'7")
F Overall height, top of the stack		4270 (14'0")
G Overall height, ROPS cab		4460 (14'8")
M Tilt back angle		50°

Measured with 35/65-33-36PR (L4) tires

Bucket type			3990 mm 13'1" Boom			3850 mm 12'8" Boom	
			Excavating Buckets		Stockpile Bucket	Excavating Buckets	
			Spade nose Teeth and WSE***	Straight edge Teeth and BSE*4	Spade nose Teeth and WSE***	Spade nose Teeth and WSE***	Straight edge Teeth and BSE*4
Bucket capacity	Heaped	m ³ (yd ³)	6.4 (8.4)	6.5 (8.5)	7.0 (9.2)	7.0 (9.2)	7.0 (9.2)
	Struck	m ³ (yd ³)	5.3 (6.9)	5.4 (7.1)	5.8 (7.6)	5.8 (7.6)	5.8 (7.6)
Bucket width		mm (ft.in)	3685 (12'1")	3685 (12'1")	3685 (12'1")	3685 (12'1")	3685 (12'1")
Bucket weight		kg (lb)	5115 (11,280)	4735 (10,440)	5255 (11,590)	5245 (11,570)	4865 (10,730)
Static tipping load	Straight	kg (lb)	34200 (75,400)	34580 (76,240)	34060 (75,090)	35400 (78,040)	35780 (78,880)
	Full turn (43°)	kg (lb)	28500 (62,830)	28880 (63,670)	28360 (62,520)	29500 (65,040)	29880 (65,870)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3995 (13'1")	4180 (13'9")	3945 (12'11")	3730 (12'3")	3905 (12'10")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	3015 (9'11")	2875 (9'5")	3050 (10'0")	2900 (9'6")	2775 (9'1")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1800 (5'11")	1610 (5'3")	1850 (6'1")	1885 (6'2")	1690 (5'7")
Reach with arm horizontal and bucket level		mm (ft.in)	4135 (13'7")	3870 (12'8")	4205 (13'9")	4065 (13'4")	3800 (12'6")
K. Operating height (fully raised)		mm (ft.in)	7925 (26'6")	7925 (26'6")	7995 (26'3")	7775 (25'6")	7775 (25'6")
L. Overall length		mm (ft.in)	11985 (39'4")	11725 (38'6")	12055 (39'7")	11870 (38'11")	11610 (38'1")
Turning radius*		mm (ft.in)	8500 (27'1")	8530 (28'0")	8520 (27'11")	8440 (27'8")	8460 (27'9")
Digging depth	0°	mm (ft.in)	130 (5.1")	135 (5.3")	130 (5.1")	130 (5.1")	140 (5.5")
	10°	mm (ft.in)	515 (1'8")	480 (1'7")	530 (1'9")	530 (1'9")	495 (1'7")
Breakout force		kN	387	448	375	378	433
		kgf (lb)	39500 (87,080)	45680 (100,710)	38200 (84,220)	38600 (85,100)	44150 (97,340)
Operating weight		kg (lb)	52700 (116,180)	52320 (115,340)	52840 (116,490)	52900 (116,620)	52500 (115,740)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C

*** Weld on segment edges

*4 Bolt on segment edges

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
Apply the following weight changes to operating weight and static tipping load.

**Performance Data
Dimensions**

WHEEL LOADERS

Weight Changes

3990 mm (13'1") boom

Tires or attachment	Change in Operating Weight		Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
35/65-33-36PR (L4)	0	0	0	0	0	0	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-36PR (L5)	+1000	+2,205	+715	+1,575	+595	+1,310	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-42PR (L4)	+20	+45	+15	+30	+10	+25	3,555	11'8"	525	1'9"	0	0'0"
35/65 R33* (L4)	-780	-1,720	-555	-1,230	-465	-1,025	3,565	11'8"	460	1'6"	-65	-2.6"
35/65 R33* (L5)	-235	-520	-170	-375	-140	-310	3,565	11'8"	460	1'6"	-65	-2.6"
OPT Counterweight	+1000	+2,205	+2380	+5,245	+1985	+4,370						

3850 mm (12'8") boom

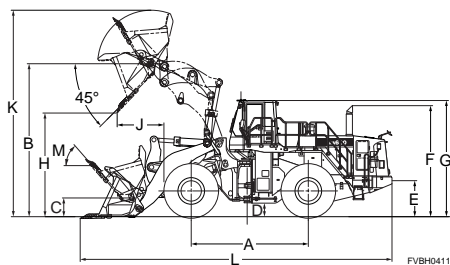
Tires or attachment	Change in Operating Weight		Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
35/65-33-36PR (L4)	0	0	0	0	0	0	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-36PR (L5)	+1000	+2,205	+745	+1,640	+620	+1,365	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-42PR (L4)	+20	+45	+15	+35	+15	+30	3,555	11'8"	525	1'9"	0	0'0"
35/65 R33* (L4)	-780	-1,720	-580	-1,280	-485	-1,065	3,565	11'8"	460	1'6"	-65	-2.6"
35/65 R33* (L5)	-235	-520	-175	-390	-145	-320	3,565	11'8"	460	1'6"	-65	-2.6"
OPT Counterweight	+1000	+2,205	+2480	+5,265	+2065	+4,555						

Performance Data Dimensions

WHEEL LOADERS

WA600-6R (Japan source)

Unit: mm (ft.in)



	3990 mm 13'1"	3850 mm 12'8"
	Boom	Boom
Tread		2650 (8'8")
Width over tires		3540 (11'9")
A Wheelbase		4500 (14'9")
B Hinge pin height, max. height	5885 (19'3")	5665 (18'7")
C Hinge pin height, carry position	720 (2'4")	670 (2'3")
D Ground clearance		525 (1'9")
E Hitch height		1385 (4'7")
F Overall height, top of the stack		4270 (14'0")
G Overall height, ROPS cab		4460 (14'8")
M Tilt back angle		50°

Measured with 35/65-33-36PR (L4) tires

Bucket type			3990 mm 13'1" Boom			3850 mm 12'8" Boom	
			Excavating Buckets		Stockpile Bucket	Excavating Buckets	
			Spade nose Teeth and WSE***	Straight edge Teeth and BSE**4	Spade nose Teeth and WSE***	Spade nose Teeth and WSE***	Straight edge Teeth and BSE**4
Bucket capacity	Heaped	m ³ (yd ³)	6.4 (8.4)	6.5 (8.5)	7.0 (9.2)	7.0 (9.2)	7.0 (9.2)
	Struck	m ³ (yd ³)	5.3 (6.9)	5.4 (7.1)	5.8 (7.6)	5.8 (7.6)	5.8 (7.6)
Bucket width		mm (ft.in)	3685 (12'1")	3685 (12'1")	3685 (12'1")	3685 (12'1")	3685 (12'1")
Bucket weight		kg (lb)	5115 (11,280)	4735 (10,440)	5255 (11,590)	5245 (11,570)	4865 (10,730)
Static tipping load	Straight	kg (lb)	34200 (75,400)	34580 (76,240)	34060 (75,090)	35400 (78,040)	35780 (78,880)
	Full turn (43°)	kg (lb)	28500 (62,830)	28880 (63,670)	28360 (62,520)	29500 (65,040)	29880 (65,870)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	3995 (13'1")	4180 (13'9")	3945 (12'11")	3730 (12'3")	3905 (12'10")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	3015 (9'11")	2875 (9'5")	3050 (10'0")	2900 (9'6")	2775 (9'1")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	1800 (5'11")	1610 (5'3")	1850 (6'1")	1885 (6'2")	1690 (5'7")
Reach with arm horizontal and bucket level		mm (ft.in)	4135 (13'7")	3870 (12'8")	4205 (13'9")	4065 (13'4")	3800 (12'6")
K. Operating height (fully raised)		mm (ft.in)	7925 (26'0")	7925 (26'0")	7995 (26'3")	7775 (25'6")	7775 (25'6")
L. Overall length		mm (ft.in)	11985 (39'4")	11725 (38'6")	12055 (39'7")	11870 (38'11")	11610 (38'1")
Turning radius*		mm (ft.in)	8500 (27'1")	8530 (28'0")	8520 (27'11")	8440 (27'8")	8460 (27'9")
Digging depth	0°	mm (ft.in)	130 (5.1")	135 (5.3")	130 (5.1")	130 (5.1")	140 (5.5")
	10°	mm (ft.in)	515 (1'8")	480 (1'7")	530 (1'9")	530 (1'9")	495 (1'7")
Breakout force		kN	387	448	375	378	433
		kgf (lb)	39500 (87,080)	45680 (100,710)	38200 (84,220)	38600 (85,100)	44150 (97,340)
Operating weight		kg (lb)	52700 (116,180)	52320 (115,340)	52840 (116,490)	52900 (116,620)	52500 (115,740)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C

*** Weld on segment edges

**4 Bolt on segment edges

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
Apply the following weight changes to operating weight and static tipping load.

**Performance Data
Dimensions**

WHEEL LOADERS

Weight Changes

3990 mm (13'1") boom

Tires or attachment	Change in Operating Weight		Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
35/65-33-36PR (L4)	0	0	0	0	0	0	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-36PR (L5)	+1000	+2,205	+715	+1,575	+595	+1,310	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-42PR (L4)	+20	+45	+15	+30	+10	+25	3,555	11'8"	525	1'9"	0	0'0"
35/65 R33* (L4)	-780	-1,720	-555	-1,230	-465	-1,025	3,565	11'8"	460	1'6"	-65	-2.6"
35/65 R33* (L5)	-235	-520	-170	-375	-140	-310	3,565	11'8"	460	1'6"	-65	-2.6"
OPT Counterweight	+1000	+2,205	+2380	+5,245	+1985	+4,370						

3850 mm (12'8") boom

Tires or attachment	Change in Operating Weight		Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
35/65-33-36PR (L4)	0	0	0	0	0	0	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-36PR (L5)	+1000	+2,205	+745	+1,640	+620	+1,365	3,540	11'7"	525	1'9"	0	0'0"
35/65-33-42PR (L4)	+20	+45	+15	+35	+15	+30	3,555	11'8"	525	1'9"	0	0'0"
35/65 R33* (L4)	-780	-1,720	-580	-1,280	-485	-1,065	3,565	11'8"	460	1'6"	-65	-2.6"
35/65 R33* (L5)	-235	-520	-175	-390	-145	-320	3,565	11'8"	460	1'6"	-65	-2.6"
OPT Counterweight	+1000	+2,205	+2480	+5,265	+2065	+4,555						

**Performance Data
Dimensions**

WHEEL LOADERS

WA600-3 (Japan source)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (straight edge) with tip teeth	6.1 (8.0)	5.1 (6.7)	3685 (12'1")	4250 (9,370)	37600 (82,890)
II Excavating bucket (spade nose) with tip teeth	6.1 (8.0)	5.1 (6.7)	3685 (12'1")	4305 (9,490)	43750 (96,450)
III Coal bucket (straight edge)	11.0 (14.4)	9.5 (12.4)	4200 (13'9")	4420 (9,740)	31950 (70,440)

* Excluding tire protectors

Tires/Buckets	Operating weight kg(lb)		
	I	II	III
35/65-33-24PR (L4)	45180 (99,600)	45235 (99,730)	45350 (99,980)
35/65-33-24PR (L5)	46320 (102,120)	46375 (102,240)	46490 (102,490)
29.5-29-28PR (L4)	44510 (98,130)	44565 (98,250)	44680 (98,500)

Tires/Buckets	Static tipping load kg(lb)								
	Straight			35° turn			40° full turn		
	I	II	III	I	II	III	I	II	III
35/65-33-24PR (L4)	31410 (69,250)	31355 (69,130)	31240 (68,870)	28550 (62,940)	28495 (62,820)	28380 (62,570)	27740 (61,160)	27685 (61,030)	27570 (60,780)
35/65-33-24PR (L5)	32200 (70,990)	32145 (70,870)	32030 (70,610)	29270 (64,530)	29215 (64,410)	29100 (64,150)	28440 (62,700)	28385 (62,580)	28270 (62,320)
29.5-29-28PR (L4)	30945 (68,220)	30890 (68,100)	30775 (67,850)	28130 (62,020)	28075 (61,890)	27960 (61,640)	27330 (60,250)	27275 (60,130)	27160 (59,880)

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

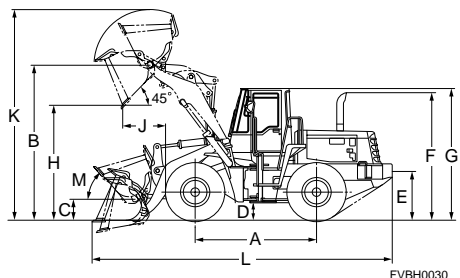
Weight Changes

	Change in operating weight kg (lb)		Change in tipping load kg (lb)	
	Straight	Full turn	Straight	Full turn
Remove ROPS canopy	-800 (-1,760)	-700 (-1,540)	-615 (-1,360)	-615 (-1,360)
Remove steel cab	-430 (-950)	-310 (-680)	-275 (-610)	-275 (-610)
Remove teeth	-372 (-820)	-475 (-1,050)	-475 (-1,050)	-475 (-1,050)
Install additional counterweight	+1000 (+2,200)	+2300 (+5,070)	+2030 (+4,480)	+2030 (+4,480)

**Performance Data
Dimensions**

WHEEL LOADERS

WA600-3 (Japan source)



		Unit: mm (ft.in)	
	Tread	35/65-33 tires	29.5-29 tires
	Width over tires	2650 (8'8")	2650 (8'8")
	A Wheelbase	3570 (11'9")	3480 (11'5")
	B Hinge pin height, max. height	4100 (13'5")	4100 (13'5")
	C Hinge pin height, carry position	5155 (16'11")	5110 (16'9")
	D Ground clearance	670 (2'2")	625 (2'1")
	E Hitch height	495 (1'7")	450 (1'6")
	F Overall height, top of the stack	1295 (4'3")	1250 (4'1")
	G Overall height, ROPS canopy	4125 (13'6")	4080 (13'5")
	Overall height, ROPS and cab	4250 (13'11")	4205 (13'10")
	M Tilt back angle	49.5°	

Measured with 35/65-33 tires

	Buckets	I	II	III
H. Dumping clearance, max. height and 45° dump angle**		3530 (11'7")	3350 (11')	3370 (11'1")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		2470 (8'1")	2600 (8'6")	2735 (9')
J. Reach at max. height and 45° dump angle**		1795 (5'11")	1990 (6'6")	2005 (6'7")
Reach with arm horizontal and bucket level		3240 (10'8")	3500 (11'6")	3745 (12'3")
K. Operating height (fully raised)		7165 (23'6")	7165 (23'6")	7440 (24'5")
L. Overall length		10840 (35'7")	11105 (36'5")	11010 (36'1")
Turning radius*		8265 (27'1")	8260 (27'1")	8590 (28'2")
Digging depth	0°	100 (3.9")	100 (3.9")	40 (1.6")
	10°	440 (1'5")	470 (1'7")	395 (1'3")

Measured with 29.5-29 tires

Unit: mm (ft.in)

	Buckets	I	II	III
H. Dumping clearance, max. height and 45° dump angle**		3485 (11'5")	3305 (10'10")	3325 (10'11")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		2500 (8'2")	2630 (8'7")	2765 (9'1")
J. Reach at max. height and 45° dump angle**		1825 (6')	2020 (6'8")	2035 (6'8")
Reach with arm horizontal and bucket level		3270 (10'9")	3530 (11'7")	3775 (12'5")
K. Operating height (fully raised)		7120 (23'4")	7120 (23'4")	7395 (24'3")
L. Overall length		10880 (35'8")	11145 (36'7")	11050 (36'3")
Turning radius*		8265 (27'1")	8260 (27'1")	8590 (28'2")
Digging depth	0°	145 (5.7")	145 (5.7")	85 (3.3")
	10°	485 (1'7")	515 (1'8")	440 (1'5")

* Bucket at carry, outside corner of bucket

** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

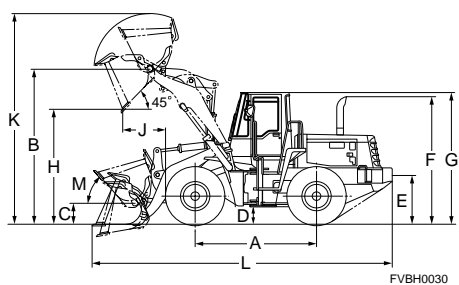
WA600-3 (with high lift boom)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (straight edge) with tip teeth	5.6 (7.3)	4.0 (5.2)	3685 (12'1")		44500 (98,210)
II Excavating bucket (spade nose) with tip teeth	5.6 (7.3)	4.0 (5.2)	3685 (12'1")	4400 (9,700)	37500 (82,670)

* Excluding tire protectors

Tires/Buckets	Operating weight kg(lb)		Static tipping load kg(lb)			
	I	II	Straight		40° full turn	
			I	II	I	II
35/65-33-24PR (L4)	46100 (101,630)	46600 (102,730)	28600 (63,050)	29100 (64,150)	25240 (55,640)	25650 (56,550)

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth, 3820kg (8420 lb) counterweight for high lift boom and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.



	Unit: mm (ft.in)
Tread	35/65-33 tires
Width over tires	2650 (8'8")
A Wheelbase	3570 (11'9")
B Hinge pin height, max. height	4100 (13'5")
C Hinge pin height, carry position	5770 (18'11")
D Ground clearance	670 (2'2")
E Hitch height	495 (1'7")
F Overall height, top of the stack	1385 (4'7")
G Overall height, ROPS canopy	4125 (13'6")
Overall height, ROPS and cab	4250 (13'11")
M Tilt back angle	4250 (13'11")
	49.5°

Measured with 35/65-33 tires

	Buckets	I	II
H. Dumping clearance, max. height and 45° dump angle**		4180 (13'9")	3995 (13'1")
J. Reach at max. height and 45° dump angle**		1690 (5'7")	1885 (6'2")
K. Operating height (fully raised)		7720 (25'4")	7720 (37'10")
L. Overall length		11520 (37'10")	11850 (38'11")
Turning radius*		8480 (27'10")	8480 (27'10")
Digging depth	0°	50 (1.9")	125 (4.8")
	10°	410 (1'4")	485 (1'7")

* Bucket at carry, outside corner of bucket

** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

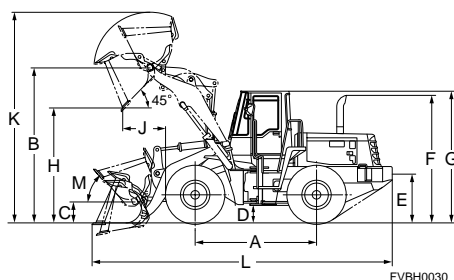
WA600-3 (for Load & Carry)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (spade nose) with tip teeth	7.5 (9.8)	6.8 (8.9)	3685 (12'1")	5075 (11,190)	35400 (78,040)

* Excluding tire protectors

	Operating weight kg(lb)	Static tipping load kg(lb)	
		Straight	40° full turn
Tires/Buckets	I	I	I
35/65-33-42PR (L4)	49400 (108,910)	38900 (85,760)	34300 (75,620)

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth, 5300kg (11680 lb) counterweight for Load & Carry and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments.
Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.



FVBH0030

	Unit: mm (ft.in)
Tread	35/65-33 tires 2650 (8'8")
Width over tires	3570 (11'9")
A Wheelbase	4100 (13'5")
B Hinge pin height, max. height	4850 (15'11")
C Hinge pin height, carry position	670 (2'2")
D Ground clearance	495 (1'7")
E Hitch height	1385 (4'7")
F Overall height, top of the stack	4125 (13'6")
G Overall height, ROPS canopy	4250 (13'11")
Overall height, ROPS and cab	4250 (13'11")
M Tilt back angle	49.5°

Measured with 35/65-33 tires

	Buckets	I
H. Dumping clearance, max. height and 45° dump angle**		2920 (9'7")
J. Reach at max. height and 45° dump angle**		2105 (6'11")
K. Operating height (fully raised)		7065 (23'2")
L. Overall length		11395 (37'5")
Turning radius*		8225 (27'0")
Digging depth	0°	105 (4.1")
	10°	505 (1'8")

* Bucket at carry, outside corner of bucket

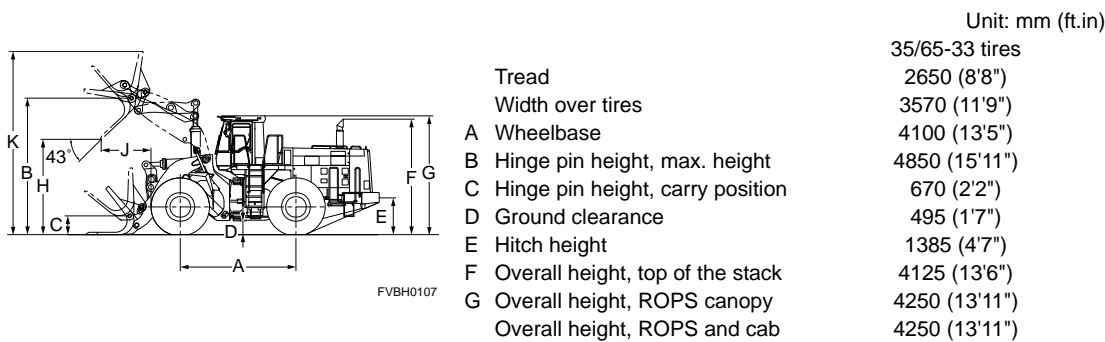
** At the end of teeth or B.O.C.

WA600-3 (for stone handling)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Stone handling bucket	—	—	—	—	38800 (85,540)

	Operating weight kg(lb)	Static tipping load kg(lb)	
		Straight	40° full turn
Tires/Buckets	I	I	I
35/36-33-42PR (L5)	41740 (92,010)	32900 (72,530)	28850 (63,600)

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth, 4300kg (9480 lb) counterweight for stone handling and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.



Measured with 35/65-33 tires

	Buckets	I
H. Dumping clearance, max. height and 45° dump angle**		3335 (10'11")
J. Reach at max. height and 45° dump angle**		1850 (6'1")
K. Operating height (fully raised)		
L. Overall length		10550 (34'7")
Turning radius*		
Digging depth	0°	45 (1.8")
	10°	361 (1'2")

* Bucket at carry, outside corner of bucket

** At the end of teeth or B.O.C.

NOTE:

- It forbids riding over obstacle during stone handling (Allowable riding over height must be 50 mm (2") or less).
- Travel speed is set only to 1st gear during stone handling.

**Performance Data
Dimensions**

WHEEL LOADERS

WA700-3 (Japan source)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (straight edge) without tip teeth	8.7 (11.4)	7.6 (9.9)	4330 (14'2")	6770 (14,925)	64700 (142,640)
II Excavating bucket (spade nose) without tip teeth	8.7 (11.4)	7.6 (9.9)	4330 (14'2")	7150 (15,760)	52700 (116,180)
III Stockpile bucket (straight edge) without tip teeth	9.4 (12.3)	8.2 (10.7)	4330 (14'2")	7150 (15,760)	62400 (137,600)

* Excluding tire protectors

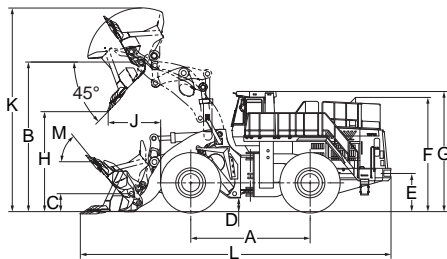
Tires/Buckets	Operating weight kg(lb)			Static tipping load kg(lb)					
	I	II	III	Straight			40° full turn		
				I	II	III	I	II	III
40/65-39-36 PR (L5)	70620 (155,690)	71000 (156,530)	71000 (156,530)	46400 (102,290)	46050 (101,520)	46700 (102,955)	40730 (89,790)	40440 (89,070)	41080 (90,565)
41.25/70-39-34 PR (L5)	71220 (157,010)	71600 (157,850)	71600 (157,850)	46830 (103,240)	46480 (102,470)	47130 (103,900)	41100 (90,610)	40750 (89,840)	41450 (91,380)
45/65-R39 (L5)	71700 (158,070)	72080 (158,910)	72080 (158,910)	47160 (103,970)	46810 (103,200)	47460 (104,630)	41400 (91,270)	41070 (90,540)	41750 (92,040)

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half-fenders and tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

	Change in operating weight kg (lb)	Change in tipping load kg (lb)	
		Straight	Full turn
Remove ROPS canopy	-1050 (-2,315)	-965 (-2,130)	-850 (-1,870)
Remove steel cab	-430 (-950)	-315 (-690)	-275 (-610)
Remove teeth and adapter	-890 (-1,960)	+1150 (+2,535)	+1005 (+2,220)

	40/65-39-36PR (L5) tires	45/65 R39 (L5) tires
Tread	3000 (9'10")	3060 (10')
Width over tires	4040 (13'3")	4160 (13'8")
A Wheelbase	4800 (15'9")	4800 (15'9")
B Hinge pin height, max. height	5990 (19'8")	6035 (19'10")
C Hinge pin height, carry position	720 (2'4")	765 (2'6")
D Ground clearance	540 (1'9")	585 (1'11")
E Hitch height	1530 (5')	1575 (5'2")
F Overall height, top of the stack	4825 (15'10")	4870 (16')
G Overall height, ROPS canopy	4790 (15'9")	4835 (15'10")
M Tilt back angle		50°



Buckets	Measured with 40/65-39-36 PR (L5) tires			Measured with 45/65-R39 (L5) tires		
	I	II	III	I	II	III
H. Dumping clearance, max. height and 45° dump angle**	4280 (14'1")	4040 (13'3")	4195 (13'9")	4325 (14'2")	4085 (13'5")	4240 (13'11")
J. Reach at max. height and 45° dump angle**	1890 (6'2")	2135 (7')	1975 (6'6")	1890 (6'2")	2135 (7')	1975 (6'6")
Reach at 2130 mm (7") cut edge clearance and 45° dump angle	2770 (9'1")	2985 (9'10")	2850 (9'4")	2770 (9'1")	2985 (9'10")	2850 (9'4")
Reach with arm horizontal and bucket level	3500 (11'6")	3840 (12'7")	3620 (11'10")	3500 (11'6")	3840 (12'7")	3620 (11'10")
K. Operating height (fully raised)	8170 (26'10")	8170 (26'10")	8320 (27'3")	8215 (26'11")	8215 (26'11")	8365 (27'5")
L. Overall length (with tipteeth)	12160 (39'11")	12500 (41')	12280 (40'3")	12135 (39'10")	12475 (40'11")	12255 (40'2")
Turning radius*	9630 (31'7")	9615 (31'7")	9660 (31'8")	9630 (31'7")	9615 (31'7")	9660 (31'8")
Digging depth	0°	170 (7")	170 (7")	170 (7")	125 (4.9")	125 (4.9")
	10°	510 (1'8")	570 (1'10")	535 (1'9")	465 (1'6")	525 (1'9")

* Bucket at carry, outside corner of bucket
 ** At the end of tooth

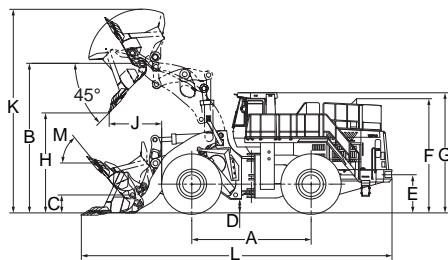
WA700-3 (with high lift boom)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (spade nose) with tip teeth	8.0 (10.5)	7.0 (9.2)	4330 (14'2")	6830 (15,060)	55800 (123,020)
II Stockpile bucket (spade nose) with tip teeth	8.7 (11.4)	7.6 (9.9)	4330 (14'2")	7150 (15,760)	52700 (116,180)

* Excluding tire protectors

Tires/Buckets	Operating weight kg(lb)		Static tipping load kg(lb)			
	I	II	Straight		40° turn	
			I	II	I	II
40/65-39-36PR (L5)	72200 (159,170)	72400 (159,610)	41900 (92,370)	41600 (91,710)	36400 (80,250)	36100 (79,590)

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half-fenders, additional counterweight 1040 kg (2290 lb) and tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.



	Unit: mm (ft.in)
Tread	3000 (9'10")
Width over tires	4040 (13'3")
A Wheelbase	4800 (15'9")
B Hinge pin height, max. height	6550 (21'6")
C Hinge pin height, carry position	720 (2'4")
D Ground clearance	540 (1'9")
E Hitch height	1545 (5'1")
F Overall height, top of the stack	4580 (15')
G Overall height, ROPS and cab	4790 (15'9")
M Tilt back angle	50°

Measured with 40/65-39-36 PR (L5) tires

	Buckets	I	II
H. Dumping clearance, max. height and 45° dump angle**		4645 (15'3")	4575 (15'0")
J. Reach at max. height and 45° dump angle**		2120 (6'11")	2190 (7'2")
K. Operating height (fully raised)		8625 (28'6")	8720 (28'7")
L. Overall length		13315 (43'8")	13410 (44'0")
Turning radius*		9840 (32'3")	9865 (32'4")
Digging depth	0°	185 (7.3")	185 (7.3")
	10°	570 (1'10")	590 (1'11")

* Bucket at carry, outside corner of bucket

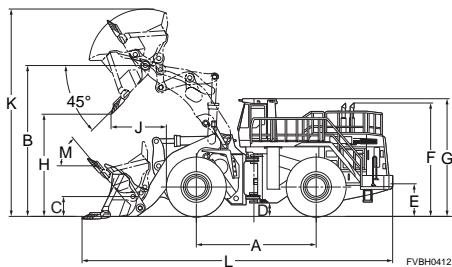
** At the end of teeth

Performance Data Dimensions

WHEEL LOADERS

WA800-3E0 (Japan source)

Unit: mm (ft.in)



	Standard boom	High lift boom	Short boom
Tread		3350 (11'0")	
Width over tires		4585 (15'1")	
A Wheelbase		5450 (17'11")	
B Hinge pin height, max. height	6785 (22'3")	7265 (23'10")	6140 (20'2")
C Hinge pin height, carry position		850 (2'9")	
D Ground clearance		550 (1'10")	
E Hitch height		1390 (4'7")	
F Overall height, top of the stack		5130 (16'10")	
G Overall height, ROPS cab		5275 (17'4")	
M Tilt back angle		50°	

Measured with 45/65-45-46PR (L5) tires

Bucket type			Standard boom		High lift boom	Short boom
			Excavating Bucket	Stockpile Bucket	Rock Bucket	Load & Carry
			Spade nose Teeth	Spade nose Teeth	Spade nose Teeth	Spade nose Teeth
Bucket capacity	Heaped	m ³ (yd ³)	11.0 (14.4)	12.3 (16.1)	10.0 (13.1)	14.0 (18.3)
	Struck	m ³ (yd ³)	9.3 (12.2)	10.4 (13.6)	8.5 (11.1)	11.5 (15.0)
Bucket width		mm (ft.in)	4810 (15'9")	4810 (15'9")	4810 (15'9")	5090 (16'8")
Bucket weight		kg (lb)	11430 (25,200)	12150 (26,790)	10750 (23,700)	12080 (26,630)
Static tipping load	Straight	kg (lb)	61090 (134,680)	60320 (132,980)	58710 (129,430)	68860 (151,810)
	Full turn (43°)	kg (lb)	53740 (118,480)	52970 (116,780)	51640 (113,850)	60660 (133,730)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	4630 (15'2")	4252 (14'10")	5210 (17'1")	3820 (12'6")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	3455 (11'4")	3550 (11'8")	3915 (12'10")	3350 (11'0")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	2385 (7'10")	2495 (8'2")	2315 (7'7")	2690 (8'10")
Reach with arm horizontal and bucket level		mm (ft.in)	4360 (14'4")	4510 (14'10")	5010 (16'5")	4550 (14'11")
K. Operating height (fully raised)		mm (ft.in)	9300 (30'6")	9430 (30'11")	9625 (31'7")	8740 (28'8")
Overall length		mm (ft.in)	13960 (45'10")	14110 (46'4")	14695 (48'3")	13685 (44'11")
Turning radius*		mm (ft.in)	10900 (35'9")	10965 (36'0")	11100 (36'5")	11020 (36'2")
Digging depth	0°	mm (ft.in)	165 (6.5")	165 (6.5")	200 (7.9")	200 (7.9")
	10°	mm (ft.in)	605 (20")	630 (2'1")	620 (2'0")	670 (2'2")
Breakout force		kN	676.7	629.3	703.5	657.3
		kgf (lb)	69000 (152,120)	64170 (141,470)	71790 (158,270)	67000 (147,710)
Operating weight		kg	101900	102620	103420	104500
		(lb)	(224,650)	(226,240)	(228,000)	(230,380)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

Tires or attachment	Operating weight		Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove ROPS canopy	-1385	-3,055	-1220	-2,690	-1180	-2,600
Remove steel cab	-430	-950	-335	-740	-330	-730
Install additional counter weight	+1600	+3,530	+3850	+8,490	+3400	+7,500

Performance Data Dimensions

WHEEL LOADERS

WA800-3 (Japan source)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (spade nose) with tip teeth	11.0 (14.4)	9.3 (12.2)	4810 (15'9")	11430 (25,200)	69000 (152,120)
II Stock pile (spade nose) with teeth	12.3 (16.1)	10.4 (13.6)	4810 (15'9")	12150 (26,790)	64170 (141,470)

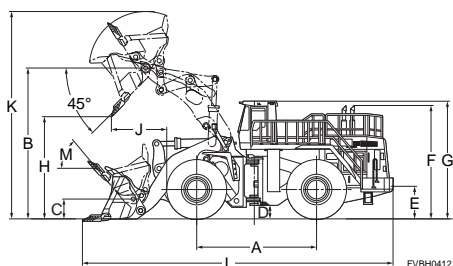
* Excluding tire protectors

Tires/Buckets	Operating weight kg(lb)		Static tipping load kg(lb)			
			Straight		40° full turn	
	I	II	I	II	I	II
45/65-45-46PR(L5)	98300 (216,710)	99020 (218,300)	57400 (126,540)	56680 (124,960)	50500 (111,330)	49780 (109,740)
45/65-45-50PR(L4)	96580 (212,920)	97300 (214,510)	54820 (120,860)	54100 (119,270)	48260 (106,390)	47540 (104,810)
45/65-45-50PR(L5)	98500 (217,150)	99220 (218,740)	57700 (127,210)	56980 (125,620)	50760 (111,910)	50040 (110,320)

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

	Change in operating weight kg (lb)	Change in tipping load kg (lb)	
		Straight	Full turn
Remove ROPS canopy	-1385 (-3,055)	-1220 (-2,690)	-1180 (-2,600)
Remove steel cab	-430 (-950)	-335 (-740)	-330 (-730)
Install additional counter weight	+1600 (+3,530)	+3850 (+8,490)	+3400 (+7,500)



	45/65-45 tires
Tread	3350 (11')
Width over tires	4585 (15'1")
A Wheelbase	5450 (17'11")
B Hinge pin height, max. height	6785 (22'3")
C Hinge pin height, carry position	850 (2'9")
D Ground clearance	550 (1'10")
E Hitch height	1390 (4'7")
F Overall height, top of the stack	5080 (16'8")
G Overall height, ROPS and cab	5275 (17'4")
M Tilt back angle	50°

Unit: mm (ft.in)

Measured with 45/65-45 tires

	Buckets	I	II
H. Dumping clearance, max. height and 45° dump angle**		4630 (15'2")	4525 (14'10")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		3455 (11'4")	3550 (11'8")
J. Reach at max. height and 45° dump angle**		2385 (7'10")	2495 (8'2")
Reach with arm horizontal and bucket level		4360 (14'4")	4510 (14'10")
K. Operating height (fully raised)		9300 (30'6")	9430 (30'11")
L. Overall length		13730 (45')	13880 (45'6")
Turning radius*		10900 (35'9")	10965 (36'0")
Digging depth	0°	165 (6.5")	165 (6.5")
	10°	605 (1'11")	630 (2'1")

* Bucket at carry, outside corner of bucket

** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

WA800-3 (with high lift boom)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (spade nose) with tip teeth	10.0 (13.1)	8.5 (11.1)	4810 (15'9")		71790 (158,270)

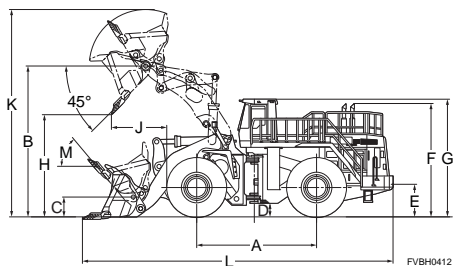
* Excluding tire protectors

Tires/Buckets	Operating weight kg(lb)		Static tipping load kg(lb)			
	I	II	Straight		40° full turn	
			I	II	I	II
45/65-45-46PR(L5)	99820 (220,060)		55160 (121,610)		48530 (106,990)	

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth, 4500kg (9920 lb) counterweight for high lift boom and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments.
Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

Weight Changes	Change in operating weight kg (lb)	Change in tipping load kg (lb)	
		Straight	Full turn
Remove ROPS canopy	-1385 (-3,055)	-1220 (-2,690)	-1180 (-2,600)
Remove steel cab	-430 (-950)	-335 (-740)	-330 (-730)
Install additional counter weight	+1600 (+3,530)	+3850 (+8,490)	+3400 (+7,500)



	Unit: mm (ft.in)
Tread	45/65-45 tires 3350 (11')
Width over tires	4585 (15'1")
A Wheelbase	5450 (17'11")
B Hinge pin height, max. height	7265 (23'10")
C Hinge pin height, carry position	850 (2'9")
D Ground clearance	550 (1'10")
E Hitch height	1390 (4'7")
F Overall height, top of the stack	5080 (16'8")
G Overall height, ROPS and cab	5275 (17'4")
M Tilt back angle	50°

Measured with 45/65-45 tires

	Buckets	I	II
H. Dumping clearance, max. height and 45° dump angle**		5210 (17'1")	
J. Reach at max. height and 45° dump angle**		2315 (7'7")	
K. Operating height (fully raised)		9625 (31'7")	
L. Overall length		14480 (47'6")	
Turning radius*		11100 (35'8")	
Digging depth	0°	200 (7.9")	
	10°	620 (2'0")	

* Bucket at carry, outside corner of bucket

** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

WA800-3 (for Load & Carry)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (spade nose) with tip teeth	14.0 (18.3)	11.5 (15.0)	5040 (16'6")		67000 (147,710)

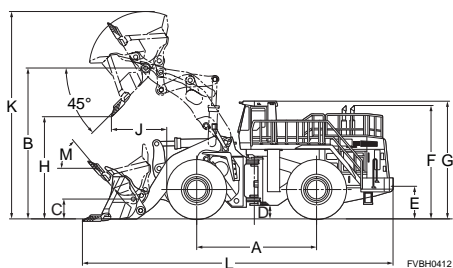
* Excluding tire protectors

Tires/Buckets	Operating weight kg(lb)		Static tipping load kg(lb)			
			Straight		40° full turn	
	I	II	I	II	I	II
45/65-45-58PR(L4)	100900 (222,440)		64700 (142,640)		57000 (125,660)	

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth, 5500kg (12130 lb) counterweight for Load & Carry and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments.
Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

Weight Changes	Change in operating weight kg (lb)	Change in tipping load kg (lb)	
		Straight	Full turn
Remove ROPS canopy	-1385 (-3,055)	-1220 (-2,690)	-1180 (-2,600)
Remove steel cab	-430 (-950)	-335 (-740)	-330 (-730)
Install additional counter weight	+1600 (+3,530)	+3850 (+8,490)	+3400 (+7,500)



	Unit: mm (ft.in)
Tread	45/65-45 tires 3350 (11')
Width over tires	4585 (15'1")
A Wheelbase	5450 (17'11")
B Hinge pin height, max. height	6140 (20'2")
C Hinge pin height, carry position	850 (2'9")
D Ground clearance	550 (1'10")
E Hitch height	1390 (4'7")
F Overall height, top of the stack	5080 (16'8")
G Overall height, ROPS and cab	5275 (17'4")
M Tilt back angle	50°

Measured with 45/65-45 tires

	Buckets	I	II
H. Dumping clearance, max. height and 45° dump angle**		3810 (12'6")	
J. Reach at max. height and 45° dump angle**		2680 (8'10")	
K. Operating height (fully raised)		8740 (28'8")	
L. Overall length		13280 (43'7")	
Turning radius*		11020 (36'2")	
Digging depth	0°	200 (7.9")	
	10°	670 (2'2")	

* Bucket at carry, outside corner of bucket

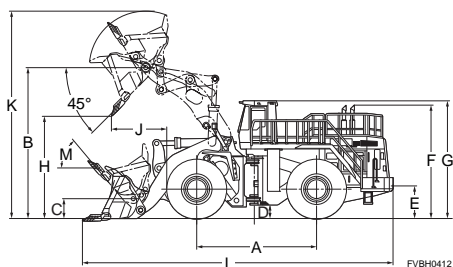
** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

WA900-8 (Japan source)

Unit: mm (ft.in)



	3990 mm (13'1") Boom	High Lift Boom
Tread	3350 (11'0")	3350 (11'0")
Width over tires	4585 (15'1")	4585 (15'1")
A Wheelbase	5600 (18'4")	5600 (18'4")
B Hinge pin height, max. height	6975 (22'11")	7485 (25'9")
C Hinge pin height, carry position	955 (3'2")	1050 (3'5")
D Ground clearance	485 (1'7")	485 (1'7")
E Hitch height	1510 (4'11")	1510 (4'11")
F Overall height, exhaust stack	5040 (16'6")	5040 (16'6")
G Overall height, ROPS cab	5600 (18'4")	5600 (18'4")

Measured with 45/65 R45 (L-5) tires, ROPS/FOPS cab

Bucket type			Standard Boom	High lift Boom
			Excavating Bucket	Excavating Bucket
			Spade nose Teeth & Segments	Spade nose Teeth & Segments
Bucket capacity	Heaped	m ³ (yd ³)	13.0 (17.0)	11.5 (15.0)
	Struck	m ³ (yd ³)	11.0 (14.4)	9.9 (12.9)
Bucket width		mm (ft.in)	4935 (16'2")	4935 (16'2")
Bucket weight		kg (lb)	13115 (28,910)	12215 (26,930)
Static tipping load	Straight	kg (lb)	71840 (158,380)	65620 (144,670)
	Full turn (43°)	kg (lb)	63610 (140,230)	58100 (128,090)
H. Dumping clearance, max. height and 45° dump angle		mm (ft.in)	4610 (15'2")	5225 (17'2")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	2685 (8'10")	2555 (8'5")
J. Reach at max. height and 45° dump angle		mm (ft.in)	3970 (13'0")	4240 (13'11")
Reach with arm horizontal and bucket level		mm (ft.in)	5245 (17'3")	5445 (17'10")
K. Operating height (fully raised)		mm (ft.in)	9780 (32'1")	10155 (33'4")
L. Overall length, bucket on ground		mm (ft.in)	15355 (50'5")	15610 (51'3")
Turning radius		mm (ft.in)	11670 (38'3")	11820 (38'9")
Digging depth	0°	mm (ft.in)	225 (8.9")	225 (8.9")
	10°	mm (ft.in)	660 (2'2")	630 (2'1")
Breakout force		kN kgf (lb)	705 71890 (158,490)	755 76990 (169,730)
Operating weight		kg (lb)	116400 (256,620)	116400 (256,620)

*1: New shape bucket

*3: At the end of teeth or B.O.C.

Weight Changes

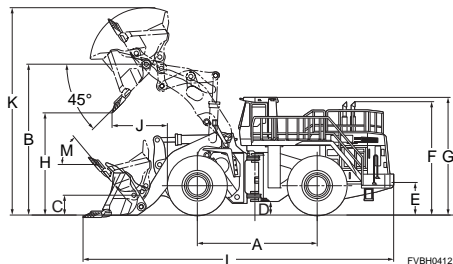
Tires or attachment	Change in Operating Weight		Change in Tipping Load				Change in Width Over Tire		Change Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
Remove ROPS canopy	-1385	-3,050	-1220	-2,690	-1180	-2,600	0	0"	0	0"	0	0"
Remove steel cab	-430	-950	-335	-740	-330	-730	0	0"	0	0"	0	0"

Performance Data Dimensions

WHEEL LOADERS

WA900-3E0 (Japan source)

Unit: mm (ft.in)



	Standard boom	High lift boom
Tread	3350 (11'0")	
Width over tires	4585 (15'1")	
A Wheelbase	5450 (17'11")	
B Hinge pin height, max. height	6960 (22'10")	7445 (24'5")
C Hinge pin height, carry position	800 (2'7")	
D Ground clearance	550 (1'10")	
E Hitch height	1390 (4'7")	
F Overall height, top of the stack	5130 (16'10")	
G Overall height, ROPS cab	5275 (17'4")	
M Tilt back angle	50°	

Measured with 45/65-45-58 (L5) tires

Bucket type			Standard boom	High lift boom
			Excavating Bucket	Excavating Bucket
			Spade nose Tipteeth	Spade nose Teeth
Bucket capacity	Heaped	m ³ (yd ³)	13.0 (17.0)	11.5 (15.0)
	Struck	m ³ (yd ³)	11.0 (14.4)	9.7 (12.7)
Bucket width		mm (ft.in)	4810 (15'9")	4810 (15'9")
Bucket weight		kg (lb)	12330 (27,180)	11370 (25,070)
Static tipping load	Straight	kg (lb)	65670 (144,780)	62540 (137,880)
	Full turn (43°)	kg (lb)	57430 (126,610)	55030 (121,320)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	4640 (15'3")	5255 (17'3")
Reach at 2130 mm (7') clearance and 45° dump angle		mm (ft.in)	3650 (12'0")	4020 (13'2")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	2450 (8'0")	2235 (7'4")
Reach with arm horizontal and bucket level		mm (ft.in)	4640 (15'3")	4760 (15'7")
K. Operating height (fully raised)		mm (ft.in)	9680 (31'9")	9875 (32'5")
L. Overall length		mm (ft.in)	14490 (47'6")	14685 (48'2")
Turning radius*		mm (ft.in)	11000 (72'2")	11100 (72'10")
Digging depth	0°	mm (ft.in)	165 (6.5")	160 (6.3")
	10°	mm (ft.in)	645 (2'1")	610 (2'0")
Breakout force		kN	666	703
		kgf (lb)	67900 (149,690)	71700 (158,070)
Operating weight		kg (lb)	107200 (236,340)	107350 (236,670)

* Bucket at carry, outside corner of bucket

** At the end of tooth or B.O.C

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
Apply the following weight changes to operating weight and static tipping load.

Weight Changes

Tires or attachment	Operating weight		Tipping Load			
			Straight		Full Turn	
	kg	lb	kg	lb	kg	lb
Remove ROPS canopy	-1385	-3,055	-1220	-2,690	-1180	-2,600
Remove steel cab	-430	-950	-335	-740	-330	-730

Performance Data Dimensions

WHEEL LOADERS

WA900-3 (Japan source)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (spade nose) with tip teeth	13.0 (17.0)	11.0 (14.4)	4810 (15'9")	12320 (27,160)	67900 (149,690)

* Excluding tire protectors

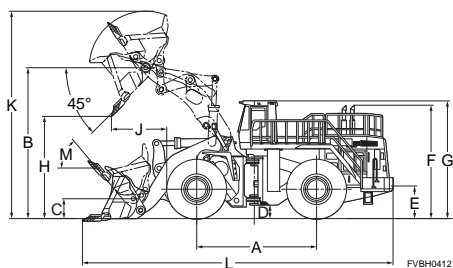
	Operating weight kg(lb)	Static tipping load kg(lb)	
		Straight	40° full turn
Tires/Buckets	I	I	I
45/65-45-58PR(L5)	101550 (223,880)	66140 (145,810)	58200 (128,310)

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments.
Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

Weight Changes	Change in operating weight kg (lb)	Change in tipping load kg (lb)	
		Straight	Full turn
Remove ROPS canopy	-1385 (-3,055)	-1220 (-2,690)	-1180 (-2,600)
Remove steel cab	-430 (-950)	-335 (-740)	-330 (-730)

Unit: mm (ft.in)



Tread	45/65-45-Tires	3350 (11')
Width over tires		4585 (15'1")
A Wheelbase		5450 (17'11")
B Hinge pin height, max. height		6960 (22'10")
C Hinge pin height, carry position		800 (2'7")
D Ground clearance		550 (1'10")
E Hitch height		1300 (4'3")
F Overall height, top of the stack		5080 (16'8")
G Overall height, ROPS and cab		5275 (17'4")
M Tilt back angle		50°

Measured with 45/65-45 tires

	Bucket	I
H. Dumping clearance, max. height and 45° dump angle**		4640 (15'3")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		3650 (12')
J. Reach at max. height and 45° dump angle**		2450 (8')
Reach with arm horizontal and bucket level		4640 (15'3")
K. Operating height (fully raised)		9680 (31'9")
L. Overall length		14270 (46'10")
Turning radius*		11000 (36'1")
Digging depth	0°	165 (6.5")
	10°	645 (2'1")

* Bucket at carry, outside corner of bucket

** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

WA900-3 (with high lift boom)

	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)	Bucket width* mm (ft.in)	Bucket weight kg (lb)	Breakout force kgf (lb)
I Excavating bucket (spade nose) with tip teeth	11.5 (15.0)	9.7 (12.7)	4810 (15'9")		71700 (158,070)

* Excluding tire protectors

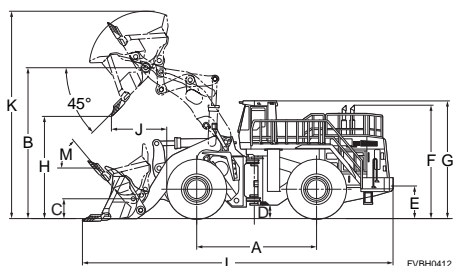
	Operating weight kg(lb)	Static tipping load kg(lb)	
		Straight	40° full turn
Tires/Buckets	I	I	I
45/65-45-58PR(L5)	101920 (224,690)	62540 (137,880)	55030 (121,320)

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth 5900kg (13010 lb) counterweight for high lift boom and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments.
Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

Weight Changes

Weight Changes	Change in operating weight kg (lb)	Change in tipping load kg (lb)	
		Straight	Full turn
Remove ROPS canopy	-1385 (-3,055)	-1220 (-2,690)	-1180 (-2,600)
Remove steel cab	-430 (-950)	-335 (-740)	-330 (-730)

Unit: mm (ft.in)



Tread	45/65-45-Tires	3350 (11')
Width over tires		4585 (15'1")
A Wheelbase		5450 (17'11")
B Hinge pin height, max. height		7445 (24'5")
C Hinge pin height, carry position		800 (2'7")
D Ground clearance		550 (1'10")
E Hitch height		1390 (4'7")
F Overall height, top of the stack		5080 (16'8")
G Overall height, ROPS and cab		5275 (17'4")
M Tilt back angle		50°

Measured with 45/65-45 tires

	Bucket	I
H. Dumping clearance, max. height and 45° dump angle**		5255 (17'3")
Reach at 2130 mm (7') cut edge clearance and 45° dump angle		3650 (12')
J. Reach at max. height and 45° dump angle**		2235 (7'4")
Reach with arm horizontal and bucket level		4640 (15'3")
K. Operating height (fully raised)		9875 (32'5")
L. Overall length		14790 (47'6")
Turning radius*		11200 (36'9")
Digging depth	0°	160 (6")
	10°	610 (2'0")

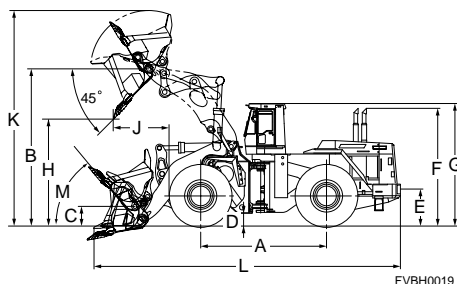
* Bucket at carry, outside corner of bucket

** At the end of teeth or B.O.C.

Performance Data Dimensions

WHEEL LOADERS

WA1200-6 (Standard boom)



FVBH0019

		Unit: mm (ft.in)	
		60/80 R57 tires	58/85-57-84PR
	Tread	4300 (14'1")	4300 (14'1")
	Width over tires	5820 (19'1")	5720 (18'9")
A	Wheelbase	7100 (23'4")	7100 (23'4")
B	Hinge pin height, max. height	8850 (29'0")	8855 (29'1")
C	Hinge pin height, carry position	1150 (3'5")	1150 (3'5")
D	Ground clearance	760 (2'6")	765 (2'6")
E	Hitch height	1415 (4'8")	1420 (4'8")
F	Overall height, top of the stack	6735 (22'1")	6740 (22'1")
G	Overall height, ROPS and cab	6970 (22'10")	6975 (22'11")
M	Tilt back angle	50°	

Boom			Standard Boom 6200mm (20'3")			
			60/80 R57		58/85-57-84PR	
Tire			Rock Bucket		Coal Bucket	
Bucket type			Spade nose with teeth		Spade nose without teeth	
Bucket capacity	Heaped	m ³ (yd ³)	20.0 (26.2)	35.0 (45.8)	20.0 (26.2)	35.0 (45.8)
	Struck	m ³ (yd ³)	17.2 (22.5)	30.2 (39.5)	17.2 (22.5)	30.2 (39.5)
Bucket width		mm (ft.in)	6400 (21'0")	6400 (21'0")	6400 (21'0")	6400 (21'0")
Bucket width with tire protector		mm (ft.in)	6550 (21'6")	-	6550 (21'6")	-
Bucket weight		kg (lb)	22780 (50,220)	24620 (54,280)	22780 (50,220)	24620 (54,280)
Static tipping load	Straight	kg (lb)	121930 (268,800)	120530 (265,730)	122530 (270,130)	121130 (267,050)
	Full turn (43°)	kg (lb)	107060 (236,000)	105830 (233,320)	107580 (237,180)	106350 (234,460)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	6305 (20'8")	6310 (20'8")	6310 (20'8")	6315 (20'9")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	2890 (9'6")	3030 (9'11")	2890 (9'6")	3030 (9'11")
K. Operating height (fully raised)		mm (ft.in)	12205 (40'1")	12980 (42'7")	12210 (40'1")	12985 (42'7")
L. Overall length		mm (ft.in)	18310 (60'1")	18405 (60'5")	18305 (60'1")	18400 (60'4")
Turning radius*		mm (ft.in)	14330 (47'0")	14320 (47'0")	14330 (47'0")	14320 (47'0")
Digging depth	0°	mm (ft.in)	250 (9.8")	145 (5.7")	245 (9.6")	140 (5.5")
	10°	mm (ft.in)	785 (2'7")	700 (2'4")	780 (2'7")	695 (2'3")
Breakout force		kN	1275	1029	1275	1029
		kgf (lb)	130000 (286,600)	105000 (231,500)	130000 (286,600)	105000 (231,500)
Operating weight		kg (lb)	216400 (477,100)	217800 (480,200)	217220 (478,900)	218620 (482,000)

* Bucket at carry, outside corner of bucket

** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
- Use either counterweight or ballast, not both.

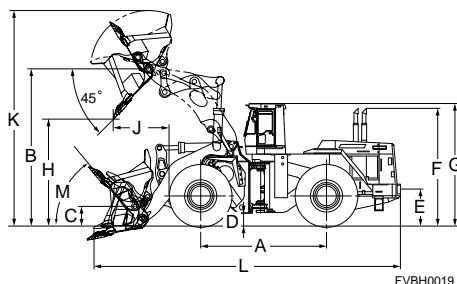
Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
58/85-57-84PR	+820	+1,810	+600	+1,320	+520	+1,150	5720	18'9"	465	2'6"	+5	+0.2"

Performance Data Dimensions

WHEEL LOADERS

WA1200-6 (with high lift boom)



		Unit: mm (ft.in)	
	Tread	60/80 R57 tires	58/85-57-84PR
	Width over tires	4300 (14'1")	4300 (14'1")
		5820 (19'1")	5720 (18'9")
A	Wheelbase	7100 (23'4")	7100 (23'4")
B	Hinge pin height, max. height	8850 (29'0")	8855 (29'1")
C	Hinge pin height, carry position	1150 (3'5")	1150 (3'5")
D	Ground clearance	760 (2'6")	765 (2'6")
E	Hitch height	1415 (4'8")	1420 (4'8")
F	Overall height, top of the stack	6735 (22'1")	6740 (22'1")
G	Overall height, ROPS and cab	6970 (22'10")	6975 (22'11")
M	Tilt back angle		50°

Boom			High Lift Boom 6780mm (22'2")			
			60/80 R57		58/85-57-84PR	
Tire			Rock Bucket		Coal Bucket	
Bucket type			Spade nose with teeth		Spade nose without teeth	
Bucket capacity	Heaped	m ³ (yd ³)	18.0 (23.5)	35.0 (45.8)	18.0 (23.5)	35.0 (45.8)
	Struck	m ³ (yd ³)	15.0 (19.6)	30.2 (39.5)	15.0 (19.6)	30.2 (39.5)
Bucket width		mm (ft.in)	6400 (21'0")	6400 (21'0")	6400 (21'0")	6400 (21'0")
Bucket width with tire protector		mm (ft.in)	6550 (21'6")	-	6550 (21'6")	-
Bucket weight		kg (lb)	22400 (49,380)	24620 (54,280)	22400 (49,380)	24620 (54,280)
Static tipping load	Straight	kg (lb)	110950 (244,580)	108850 (239,970)	111550 (245,920)	109450 (241,300)
	Full turn (43°)	kg (lb)	97410 (214,760)	95570 (210,700)	97940 (215,920)	96100 (211,860)
H. Dumping clearance, max. height and 45° dump angle**		mm (ft.in)	7065 (23'2")	6990 (22'11")	7070 (23'2")	6995 (22'11")
J. Reach at max. height and 45° dump angle**		mm (ft.in)	2930 (9'7")	3135 (10'3")	2930 (9'7")	3135 (10'3")
K. Operating height (fully raised)		mm (ft.in)	12785 (41'11")	13660 (44'10")	12790 (42'0")	13665 (44'10")
L. Overall length		mm (ft.in)	18945 (62'2")	19140 (62'10")	18940 (62'2")	19135 (62'9")
Turning radius*		mm (ft.in)	14615 (47'11")	14650 (48'1")	14615 (47'11")	14650 (48'1")
Digging depth	0°	mm (ft.in)	250 (9.8")	145 (5.7")	245 (9.6")	140 (5.5")
	10°	mm (ft.in)	770 (2'6")	685 (2'3")	765 (2'6")	680 (2'3")
Breakout force		kN	1236	1000	1236	1000
		kgf (lb)	126000 (277,780)	102000 (224,800)	126000 (277,780)	102000 (224,800)
Operating weight		kg (lb)	218300 (481,300)	219700 (484,400)	219150 (483,150)	220550 (486,250)

* Bucket at carry, outside corner of bucket
 ** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
- Use either counterweight or ballast, not both.

Weight Changes

Tires or attachments	Change in Operating Weight		Change in Tipping Load				Width Over Tire		Ground Clearance		Change in Vertical Dimensions	
			Straight		Full Turn							
	kg	lb	kg	lb	kg	lb	mm	ft.in	mm	ft.in	mm	ft.in
58/85-57-84PR	+820	+1,810	+540	+1,190	+470	+1,040	5720	18'9"	765	2'6"	+5	+0.2"

1. OPERATING WEIGHT

The total mass in kilograms (pounds) of the machine as specified and fully serviced, including a full fuel tank and 80 kg (175 lb) operator.

2. BUCKET CAPACITY (BY SAE)

The bucket capacity of wheel loaders is calculated as follows:

The struck capacity is defined as the volume of material retained in the bucket after a heaped load is struck by drawing a straight edge across the width of bucket with one end of the straight edge resting on the cutting edge and the other end resting on the uppermost portion of the bucket back sheet or spill guard. The struck capacity (V_s) can be expressed by the following equation:

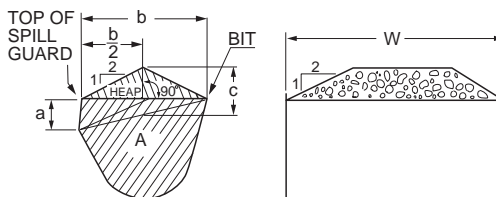
$$V_s = AW - \frac{2}{3} a^2b$$

A = cross sectional area at the center of the bucket, mm^2 (in^2).

W = average inside width of the bucket, mm ($\text{in}.$).

a = height of the spill guard at the center of the bucket normal to the strike line, mm ($\text{in}.$).

b = length of opening at the center of the bucket, mm ($\text{in}.$).



FVBH0009

Using the 2 : 1 angle of repose of the heaped material, the heaped capacity (V_h) is expressed as follow:

$$V_h = V_s + \frac{b^2W}{8} - \frac{b^2}{6} (a+c)$$

Where c is the length on a normal to the strike line. On one end it is terminated by the assumed crest of the material.

On the other end it is terminated by the intersection with a line from the bit or cutting edge tip to the base of the spill guard.

This method applies primarily to irregular buckets having parallel sides and a cutting edge parallel to the edge of the spill guard or back sheet. Moderately clipped spill guard corners will introduce no appreciable errors.

3. BUCKET LOAD

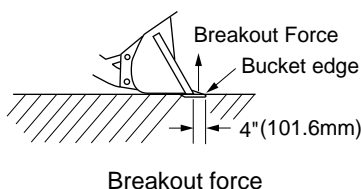
The bucket load should not exceed 50% of the TIPPING LOAD for wheel loaders or 35% of the TIPPING LOAD for crawler loaders, and will be considered as operating under the following conditions:

1. Lifting ability of the machine in all bucket positions to be no less than the specified operating load.
2. Bucket attachment of specified size and type.
3. Maximum travel speed of 6 km/h (3.7 mph).
4. Operating surface.
 - (a) Shall be hard, moderately smooth and level for wheel loaders.
 - (b) General operating conditions of crawler loaders are such that they normally are not operating on hard, moderately smooth level surface.
For this reason, the rating on crawler loaders is set at the lower figure of 35%.

4. BREAKOUT FORCE

Breakout force in kilograms (and kilo-Newton or pounds) is the maximum sustained vertical upward force exerted 100 mm (4 in) behind the tip of the bucket cutting edge and is achieved through the ability to lift and/or roll-back the bucket about the specified pivot point under the following conditions:

- (a) Machine with transmission in neutral.
- (b) All brakes released.
- (c) Unit at standard operating weight, rear of machine not tied down.



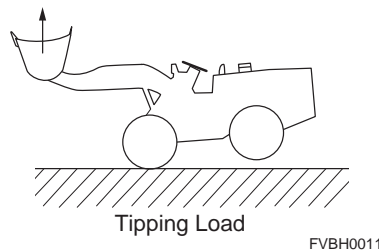
FVBH0010

- (d) Bottom of cutting edge parallel to and not more than 25 mm (1 in) above or below the ground line.
- (e) When bucket circuit is used, the pivot point must be specified as the bucket hinge pin, and the unit blocked under the bucket hinge pin pivot point in order to minimize linkage movement.
- (f) When the lift circuit is used, the pivot point must be specified as the lift arm hinge pin.
Wheel loaders shall have front axle blocked to eliminate change in position of pivot pins due to tire deflection.
- (g) If both circuits are used simultaneously, the dominating pivot point listed in (e) or (f) must be specified.
- (h) If the circuit used causes the rear of the machine to leave the ground then the vertical force value required to raise the rear of the machine is the breakout force.
- (i) For irregular shaped buckets, the tip of the bucket cutting edge, referred to above shall mean the farthest forward point of the cutting edge.

5. STATIC TIPPING LOAD

The minimum mass in kilograms (pounds) at the center of gravity of the SAE rated load in the bucket which will rotate the machine to a point where, on the crawler units, the front track rollers are clear of the track and, on wheel loaders, the rear wheels are clear of the ground under the following conditions:

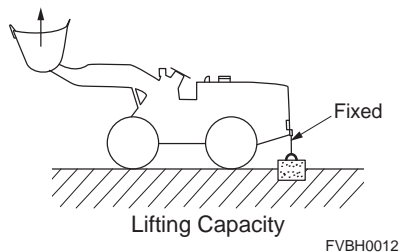
- (a) Maximum bucket rollback.
- (b) Center of gravity of load at the maximum forward position in the raising cycle.
- (c) Machine at operating weight and equipment as specified.
Articulated steer loader shall be in full turn position (specify angle).



6. LIFTING CAPACITY

The maximum mass in kilograms (pounds) at the center of gravity of SAE rated load in the bucket that can be lifted at a specified height with the bucket positioned to retain maximum load under the following conditions:

- (a) Machine with rear end tied down.
- (b) Machine at operating weight and equipment as specified.

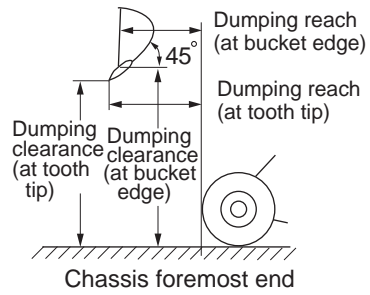


7. HYDRAULIC CYCLE TIMES

- Raising Time — The time in seconds required to raise the bucket, rolled back, from the ground level position to full height with the specified SAE operating load.
- Lowering time — The time in seconds required to lower the empty bucket from the full height to a level position on the ground.
- Dump Time — The time in seconds required to move the bucket from the load carrying position at maximum height to the full dump position while dumping the specified SAE operating load.

8. DUMPING CLEARANCE AND REACH

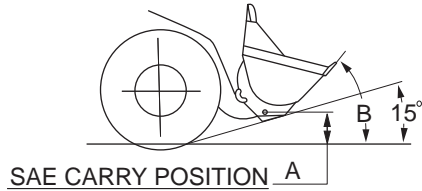
- Dumping clearance — The vertical distance in millimeters (inches) from the ground to the lowest point of the cutting edge with the bucket hinge pin at maximum height and the bucket at a 45 degree dump angle. If the dump angle is less than 45 degree, specify the angle.
- Dumping reach — The horizontal distance in millimeters (inches) from the foremost point on the machine (including tires, tracks, or loader frames) to the rearmost point of the bucket cutting edge with bucket hinge pin at maximum height and bucket at a 45 degree dump angle. If the dump angle is less than 45 degree, specify the angle.



FVBH0013

9. CARRY POSITION

The vertical distance from the ground in millimeters (inches) to the centerline of the bucket hinge pin, with the angle of approach at 15 degree.



- A: Carry height
- B: Mex tilt-back angle (At carry position)

FVBH0014

Item	Model	WA50-6	WA70-7	WA80M-7	WA100M-8	WA100M-7	WA150-6
	Source	Japan	Germany	Germany	Germany	Germany	Japan
Stockpile Bucket	w/B.O.C.	○ 0.6 (0.8)					○ 1.5 (2.0)
	w/teeth						○ 1.4 (1.8)
	w/B.O.C. Quick-coupler						
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.						○ 1.3 (1.7)
	w/teeth						○ 1.2 (1.6)
Universal bucket	w/teeth		○ 0.85 (1.1)	○ 1.0 (1.3)	○ 1.3 (1.7)	○ 1.25 (1.6) ○ 1.4 (1.8)	
	w/o teeth		○ 0.85 (1.1)	○ 1.0 (1.3)	○ 1.4 (1.8)	○ 1.25 (1.6) ○ 1.4 (1.8)	
Light Material Bucket	w/B.O.C.						○ 1.7 (2.2)
	w/o teeth		○ 1.0 (1.3) ○ 1.25 (1.6)	○ 1.25 (1.6)		○ 1.6 (2.1)	
4-in-1 Bucket	w/teeth		○ 0.75 (1.0) ○ 0.8 (1.05)	○ 0.8 (1.0)	○ 1.05 (1.4)	○ 1.05 (1.4)	
Stockpile Bucket for High Lift Boom	w/B.O.C.						
	w/teeth						
High Lift Boom							○
B.O.C.		○					○
Teeth	Bolt-on teeth		○	○	○	○	○
	Tip type teeth						
Fork Carrier (Pallet Fork)	Pin-on type		○	○	○	○	
	Quick-coupler						
Quick-coupler	Hyd. type					○	
Additional Counterweight	Rear					○	○
	Side						
	for log & fork						
Bucket Cylinder (Large Sized)	for log & fork						
Bucket Cylinder	for high lift						

*: Install the additional counterweight.

**: Direct mount

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA150-5	WA200-8	WA200-8	WA200-7	WA200-7	WA200-6
	Source	Japan	Japan	Germany	Japan	Germany	Japan
Stockpile Bucket	w/B.O.C.	1.5 (2.0)	2.0 (2.6)	2.0 (2.6)	2.0 (2.6)	2.1 (2.75)	2.0 (2.6)
	w/teeth			1.9 (2.5)		2.0 (2.6)	1.9 (2.5)
	w/B.O.C. Quick-coupler		2.0 (2.6)			2.1 (2.75)	
	w/teeth Quick-coupler					2.0 (2.6)	
	w/segment teeth						
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.	1.3 (1.7)	1.7 (2.2)		1.7 (2.2)	1.9 (2.5)	1.7 (2.2)
	w/teeth	1.3 (1.7)				1.9 (2.5)	1.6 (2.1)
	w/B.O.C. Quick-coupler					2.0 (2.6)	
	w/teeth Quick-coupler					1.9 (2.5)	
Universal Bucket	w/B.O.C.					2.0 (2.6)	
	w/teeth					1.9 (2.5)	
	w/B.O.C. Quick-coupler					2.0 (2.6)	
	w/teeth Quick-coupler					1.9 (2.5)	
Light Material Bucket	w/B.O.C.	1.7 (2.2)	2.4 (3.1)		2.4 (3.1)		2.4 (3.1)
	w/o teeth (bare)	1.6 (2.1)					
	w/B.O.C. Quick-coupler			3.2 (4.2)		3.2 (4.2)	
Stockpile Bucket for High Lift Boom	w/B.O.C.	1.3 (1.7)					
	w/teeth	1.3 (1.7)					
Excavating Bucket for High Lift Boom	w/B.O.C.						1.7 (2.2)
	w/teeth						1.6 (2.1)
Waste Handling Bucket	w/B.O.C. Quick-coupler			2.3 (3.0)		2.3 (3.0)	
High Dump Bucket	w/B.O.C. Quick-coupler			2.8 (3.7)		2.8 (2.7)	
Mulch Grab Bucket						○	
High Lift Boom		○	○	○			○
B.O.C.		○	○		○	○	○
Teeth	Bolt-on teeth	○					
	Tip type teeth	○				○	○
Log Grapple	Pin-on type			○			○
Lumber Grapple							
Dumping Fork	Pin-on type						
	Quickt-coupler						
Fork Carrier (Pallet Fork)	Pin-on type			○			
	w/quick-coupler		○		○	○	
Quick-coupler	Hyd. type	○	○	○	○	○	
Additional Counterweight	Rear	○					○
	Side						
	for log & fork						○
Bucket Cylinder (Large Sized)	for log & fork	○					
Bucket Cylinder	for high lift	○					

*: Install the additional counterweight.

Item	Model	WA200-6	WA200-5	WA200PZ-6	WA200PZ-6	WA250-6	WA250PZ-6
	Source	Brazil	Japan, Thailand	Japan	Germany	Japan	Japan
Stockpile Bucket	w/B.O.C.	2.0 (2.6)	2.0 (2.6)	2.0 (2.6)	2.1 (2.7)	2.3 (3.0)	2.2 (2.9)
	w/teeth		1.9 (2.5)	1.9 (2.5)	2.0 (2.6)	2.1 (2.75)	
	w/B.O.C. Quick-coupler						
	w/teeth Quick-coupler						
	w/segment teeth	2.0 (2.6)					
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.	1.7 (2.2)	1.7 (2.2)		2.0 (2.6)	1.9 (2.5)	
	w/teeth	1.7 (2.2)	1.6 (2.1)		1.9 (2.5)	1.8 (2.35)	
	w/B.O.C. Quick-coupler						
	w/teeth Quick-coupler						
Light Material Bucket	w/B.O.C.	2.4 (3.1)	2.4 (3.1)			2.7 (3.5)	
	w/o teeth (Bare)		2.3 (3.0)				
	w/B.O.C. Quick-coupler						
Stockpile Bucket for High Lift Boom	w/B.O.C.		1.7 (2.2)				
	w/teeth		1.7 (2.2)				
Excavating Bucket for High Lift Boom Waste Handling Bucket	w/B.O.C.					1.9 (2.5)	
	w/teeth					1.8 (2.35)	
	w/B.O.C. Quick-coupler						
High Dump Bucket	W/B.O.C. Quick-coupler						
High Dump Bucket (Waste Handling)	W/B.O.C. Quick-coupler						
Mulch Grab Bucket							
High Lift Boom			○			○	
B.O.C.		○	○	○	○	○	○
Teeth	Bolt-on teeth	○	○			○	○
	Tip type teeth	○	○	○	○	○	○
Log Grapple	Pin-on type					○	
Lumber Grapple							
Dumping Fork	Pin-on type						
	Quickt-coupler						
Fork Carrier (Pallet Fork)	Pin-on type						
	W/coupler			○			○
Quick-coupler	Hyd. type						○ (STD)
Additional Counterweight	Rear			○ (STD)		○	○ (STD)
	Side						
	for log & fork			○ (STD)		○	○ (STD)
Bucket Cylinder (Large Sized)	for log & fork						
Bucket Cylinder	for high lift						○

*: Install the additional counterweight.

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA250PZ-6	WA250-5	WA270-8	WA270-8	WA270-8	WA270-7
	Source	Germany	Japan	Japan	USA	Germany	Japan
Stockpile Bucket	w/B.O.C.	2.5 [○] (3.3)	2.3 [○] (3.0)	2.3 [○] (3.0)	2.3 [○] (3.0)	2.3 [○] (3.0)	2.3 [○] (3.0)
	w/teeth	2.3 [○] (3.0)	2.1 [○] (2.75)			2.2 [○] (2.9)	
	w/B.O.C. Quick-coupler			2.3 [○] (3.0)	2.3 [○] (3.0)	2.3 [○] (3.0)	
	w/teeth Quick-coupler					2.2 [○] (2.9)	
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.	2.3 [○] (3.0)	1.9 [○] (2.5)	1.9 [○] (2.5)	1.9 [○] (2.5)		
	w/teeth	2.2 [○] (2.9)	1.8 [○] (2.35)				
	w/B.O.C. Quick-coupler						
	w/teeth Quick-coupler						
Universal bucket	w/B.O.C.	2.2 [○] (2.9)					
	w/teeth	2.1 [○] (2.7)					
Excavating Bucket for High Lift Boom	w/B.O.C.						
	w/teeth						
Light Material Bucket	w/B.O.C.		2.7 [○] (3.5)	2.7 [○] (3.5)	2.7 [○] (3.5)	3.5 [○] (4.6)	
	w/o teeth		2.5 [○] (3.3)				
Stockpile Bucket for High Lift Boom	w/B.O.C.		1.9 [○] (2.5)	1.9 [○] (2.5)	1.9 [○] (2.5)		
	w/teeth		1.8 [○] (2.35)				
High Dump Bucket	w/B.O.C. Quick-coupler					3.1 [○] (4.0)	
High Dump Bucket (Waste Handling)	w/B.O.C. Quick-coupler					2.5 [○] (3.3)	
Mulch Grab Bucket						○	
High Lift Boom			○	○	○	○	○
Super High Lift Boom							
B.O.C.		○	○	○	○	○	○
Teeth	Bolt-on teeth						
	Tip type teeth	○	○	○		○	
Log Grapple	Pin-on type					○	
Lumber Grapple			○				
Dumping Fork	Pin-on type						
	Quickt-coupler						
Lumber Fork	Pin-on type		○				
	Quick-coupler						
Fork Carrier (Pallet Fork)	Pin-on type	○					
	W/coupler			○	○	○	○
Quick-coupler	Hyd. type		○	○	○	○	○
Additional Counterweight	Rear		○		○	○	○
	Side					○	
	for log & fork		○				
Bucket Cylinder (Large Sized)	for log & fork						
Bucket Cylinder	for high lift		○		○		

*: Install the additional counterweight.

** : Direct mount

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA270-7	WA270-7	WA320-8	WA320-8	WA320-8	WA320-7
	Source	USA	Germany	Japan	USA	Germany	Japan
Stockpile Bucket	w/B.O.C.	○ 2.3 (3.0)	○ 2.5 (3.3)	○ 2.8 (3.7)	○ 2.8 (3.7)	○ 2.8 (3.7)	○ 2.8 (3.7)
	w/teeth		○ 2.3 (3.0)			○ 2.7 (3.5)	
	w/B.O.C. Quick-coupler	○ 2.3 (3.0)	○ 2.5 (3.3)		○ 2.7 (3.5)	○ 2.8 (3.7)	
	w/teeth Quick-coupler		○ 2.3 (3.0)			○ 2.7 (3.5)	
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.	○ 1.9 (2.5)	○ 2.3 (3.0)	○ 2.3 (3.0)	○ 2.3 (3.0)		○ 2.3 (3.0)
	w/teeth		○ 2.1 (2.75)				
	w/B.O.C. Quick-coupler		○ 2.3 (3.0)				
	w/teeth Quick-coupler		○ 2.1 (2.75)				
Universal Bucket	w/B.O.C.		○ 2.2 (2.9)				
	w/teeth		○ 2.1 (2.75)				
	w/B.O.C. Quick-coupler		○ 2.1 (2.75)				
	w/teeth Quick-coupler		○ 2.0 (2.6)				
Excavating Bucket for High Lift Boom	w/B.O.C.	○ 1.9 (2.5)	○ 2.3 (3.0)				
	w/teeth		○ 2.1 (2.75)				
Light Material Bucket	w/B.O.C.	○ 2.7 (3.5)	○ 3.5 (4.6)	○ 3.2 (4.2)	○ 3.2 (4.2)	○ 4.8 (6.3)	○ 3.2 (4.2)
	w/teeth						
Stockpile Bucket for High Lift Boom	w/B.O.C.				○ 2.3 (3.0)		
	w/teeth						
Universal Bucket for High Lift Boom	w/B.O.C.		○ 2.2 (2.9)				
	w/teeth		○ 2.1 (2.75)				
	w/B.O.C. Quick-coupler		○ 2.1 (2.75)				
	w/teeth Quick-coupler		○ 2.0 (2.6)				
High Dump Bucket	w/B.O.C. Quick-coupler		○* 3.1 (4.0)			○ 3.5 (4.6)	
High Dump Bucket (Waste Handling)	w/B.O.C. Quick-coupler		○* 2.5 (3.3)			○ 3.4 (4.45)	
Mulch Grab Bucket			○				
High Lift Boom		○	○	○	○	○	○
B.O.C.		○	○	○	○	○	○
Teeth	Bolt-on teeth						
	Tip type teeth		○	○			○
Log Grapple	Pin-on type					○	
Lumber Grapple							
Dumping Fork	Pin-on type						
	Quick-coupler						
Lumber Fork	Pin-on type						
	Quick-coupler						
Fork Carrier (Pallet Fork)	Pin-on type						
Quick-coupler	Hyd. type	○	○	○	○	○	○
Additional Counterweight	Rear	○	○			○	○
	Side	○	○			○	

*: Install the additional counterweight.

** : Direct mount

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA320-7	WA320-7	WA320-6	WA320-6	WA320PZ-6	WA320-5
	Source	USA	Germany	Japan	Brazil	Japan	Japan, Thailand
Stockpile Bucket	w/B.O.C.	2.8 (3.7)	3.2 (4.2)	2.8 (3.7)	2.8 (3.7)	2.7 (3.5)	2.8 (3.7)
	w/teeth		3.0 (3.9)	2.6 (3.25)	2.6 (3.25)		2.6 (3.25)
	w/B.O.C. Quick-coupler	2.7 (3.5)	3.2 (4.2)				
	w/teeth Quick-coupler		3.0 (3.9)				
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.		2.9 (3.8)	2.3 (3.0)	2.3 (3.0)		2.3 (3.0)
	w/teeth		2.7 (3.5)	2.1 (2.75)	2.1 (2.75)		2.1 (2.75)
	w/B.O.C. Quick-coupler		2.9 (3.8)				
	w/teeth Quick-coupler		2.7 (3.5)				
Universal Bucket	w/B.O.C.		2.9 (3.8)		3.2 (4.2)		3.2 (4.2)
	w/teeth		2.7 (3.5)		3.0 (3.9)		
	w/B.O.C. Quick-coupler		2.7 (3.5)				3.0 (3.9)
	w/teeth Quick-coupler		2.6 (3.25)				2.5 (3.25)
Excavating Bucket for High Lift Boom	w/B.O.C.		2.9 (3.8)	2.3 (3.0)			2.4 (3.0)
	w/teeth		2.7 (3.5)	2.1 (2.75)			2.2 (2.75)
Light Material Bucket	w/B.O.C.	3.2 (4.2)	4.8 (6.3)	3.2 (4.2)			
	w/teeth			3.0 (3.9)			
Stockpile Bucket for High Lift Boom	w/B.O.C.	2.3 (3.0)	3.2 (4.2)				
	w/teeth		3.0 (3.9)				
Universal Bucket for High Lift Boom	w/B.O.C.		2.9 (3.8)				
	w/teeth		2.7 (3.5)				
High Dump Bucket	w/B.O.C. Quick-coupler		3.5 (4.6)				
High Dump Bucket (Waste Handling)	w/B.O.C. Quick-coupler		3.4 (4.45)				
Mulch Grab Bucket			○				
High Lift Boom		○	○	○	○		○
B.O.C.		○	○	○		○	○
B.O.C. Long Life							○
Segment Edge							○
Teeth	Bolt-on teeth						
	Tip type teeth		○	○	○	○	○
Log Grapple	Pin-on type		○				○
Lumber Grapple							○
Dumping Fork	Pin-on type						○
	Quick-coupler						
Lumber Fork	Pin-on type						○
	Quick-coupler						
Fork Carrier (Pallet Fork)	Pin-on type						
	Quick-coupler				○	○	
Quick-coupler	Hyd. type	○	○		○	○ (STD)	
Additional Counterweight	Rear	○	○	○			○
	Side		○				
	for log & fork						○
Bucket Cylinder (Large Sized)	for log & fork						○
Bucket Cylinder	for high lift						○

*: Install the additional counterweight.

Item	Model	WA380-8	WA380-8	WA380-8	WA380-7	WA380-6	WA380Z-6
	Source	Japan	USA	Germany	Japan	Japan	Japan, Thailand
Stockpile Bucket	w/B.O.C.	3.3 (4.3)	3.3 (4.3)	○ 3.35 (4.4) ○ 3.75 (4.9)	3.3 (4.3)	3.3 (4.3)	3.3 (4.3)
	w/teeth	3.1 (4.0)	3.1 (4.0)	○ 3.2 (4.2) ○ 3.6 (4.7)	3.1 (4.0)	3.1 (4.0)	3.1 (4.0)
	w/B.O.C. Quick-coupler			○ 3.35 (4.4) ○ 3.75 (4.9)			
	w/teeth Quick-coupler			○ 3.2 (4.2) ○ 3.6 (4.7)			
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.	2.9 (3.8)	2.9 (3.8)		2.9 (3.8)	2.9 (3.8)	2.9 (3.8)
	w/teeth	2.7 (3.5)	2.7 (3.5)		2.7 (3.5)	2.7 (3.5)	2.7 (3.5)
	w/B.O.C. Quick-coupler					2.9 (3.8)	2.9 (3.8)
	w/teeth Quick-coupler					4.0 (5.2)	4.0 (5.2)
Light Material Bucket	w/B.O.C.			6.5 (8.5)			
	w/teeth						
	w/B.O.C. Quick-coupler					2.9 (3.8)	2.9 (3.8)
	w/teeth Quick-coupler			6.5 (8.5)		2.7 (3.5)	2.7 (3.5)
Stockpile Bucket for High Lift Boom	w/B.O.C.		2.9 (3.8)				
	w/teeth						
Waste Handling Bucket	w/B.O.C. Quick-coupler			5.0 (6.5)			
High Dump Bucket	w/B.O.C. Quick-coupler			6.0 (7.8)			
High Dump Bucket (Waste Handling)	w/B.O.C. Quick-coupler						
Mulch Grab Bucket							
High Lift Boom		○	○	○	○	○	○
Super High Lift Boom				○			
B.O.C.		○	○	○	○	○	○
B.O.C. Long Life							
Segment Edge						○	○
Teeth	Bolt-on teeth						
	Tip type teeth	○	○	○	○	○	○
Log Grapple	Pin-on type					○	○
Lumber Grapple							
Dumping Fork	Pin-on type						
	Quick-coupler						
Lumber Fork	Pin-on type						
	Quick-coupler						
Fork Carrier (Pallet Fork)	Pin-on type						
	Quick-coupler			○			
Quick-coupler	Hyd. type			○			
	Rear		○	○		○	○
Additional Counterweight	Side			○			
	for log & fork					○	○
Bucket Cylinder (Large Sized)	for log & fork						
Bucket Cylinder	for high lift						

*: Install the additional counterweight.

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA380Z-6	WA380-5	WA430-6	WA430-5	WA470-8	WA470-8
	Source	China	Japan	Japan	Japan	Japan	USA
Stockpile Bucket	w/B.O.C.	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.7 (4.8)	4.2 (5.5)	4.2 (5.5)
	w/teeth	3.1 (4.0)	3.1 (4.0)	3.3 (4.3)	3.5 (4.6)		
	w/B.O.C. Quick-coupler				3.3 (4.3)		
	w/teeth & segment	3.3 (4.3)			3.1 (4.1)		
Excavating Bucket (Earthmoving Bucket)	w/B.O.C.	3.0 (3.9)	2.9 (3.8)	3.3 (4.3)		3.8 (5.0)	3.8 (5.0)
	w/teeth	2.8 (3.7)	2.7 (3.5)	3.1 (4.1)			
	w/segment edge	3.0 (3.9)	2.9 (3.8)	3.3 (4.3)			
Spade Nose Rock Bucket (V-edge)	w/tip type teeth				3.1 (4.1)		
Loose Material Bucket	w/B.O.C.					4.4 (5.8)	4.4 (5.8)
	w/teeth						
Light Material Bucket	w/B.O.C.	3.8 (5.0)	4.0 (5.2)	4.6 (6.0)	4.6 (6.0)		
	w/teeth	3.6 (4.7)					
	w/B.O.C. Quick-coupler						
Stockpile Bucket for High Lift Boom	w/B.O.C.	2.9 (3.8)	2.9 (3.8)	3.3 (4.3)	3.3 (4.3)		
	w/teeth	2.7 (3.5)	2.7 (3.5)	3.1 (4.1)	3.1 (4.1)		
Light Material Bucket for High Lift Boom	w/B.O.C.	3.6 (4.7)					
	w/teeth	3.4 (4.5)					
Mulch Grab bucket							
High Lift Boom		○	○	○	○	○	○
B.O.C.		○	○	○	○	○	○
B.O.C. Long Life					○		
Segment Edge		○	○	○	○		
Teeth	Bolt-on teeth				○		
	Tip type teeth	○	○	○	○	○	○
Log Grapple	Pin-on type		○	○***			
Lumber Grapple							
Dumping Fork	Pin-on type						
	Quick-coupler						
Lumber Fork	Pin-on type		○				
	Quick-coupler						
Fork Carrier (Pallet Fork)	Pin-on type						
Quick-coupler	W/coupler						
Additional Counterweight	Hyd. type						
	Rear		○	○	○		○
	Side for log & fork		○	○			
Bucket Cylinder (Large Sized)	for log & fork		○				
Bucket Cylinder	for high lift		○		○		

*: Install the additional counterweight.

***: Install the counterweight for log & fork attachments.

Item	Model	WA470-8	WA470-7	WA470-6	WA470-6R	WA470-5	WA480-8
	Source	Germany	Japan	Japan	Japan	Japan	Germany
Stockpile Bucket	w/B.O.C.	○ 5.0 (6.5)	4.2 (5.5)	4.2 (5.5)	4.2 (5.5)	4.2 (5.5)	○ 5.0 (6.5)
		○ 4.65 (6.1)					○ 5.3 (6.9)
	w/teeth	○ 4.8 (6.3)		3.9 (5.1)	3.9 (5.1)	3.9 (5.1)	○ 4.8 (6.3)
		○ 4.5 (5.9)					○ 5.0 (6.5)
w/segment edge					4.2 (5.5)		
Excavating Bucket	w/B.O.C.		3.8 (5.0)	3.8 (5.0)	3.8 (5.0)	3.8 (5.0)	
	w/teeth			3.6 (4.7)	3.6 (4.7)	3.6 (4.7)	
	w/segment edge			3.8 (5.0)	3.8 (5.0)	3.8 (5.0)	
Universal Bucket	w/B.O.C.	○ 4.35 (5.7)					
		○ 4.65 (6.1)					
	w/teeth	○ 4.2 (5.5)					
		○ 4.5 (5.9)					
Loose Material Bucket	w/B.O.C.		4.4 (5.8)	4.4 (5.8)		4.6 (6.0)	
	w/teeth (bare)					4.3 (5.6)	
Spade Nose Rock Bucket (V-edge)	w/tip type teeth				3.6 (4.7)	3.5 (4.6)	
	w/o teeth				3.6 (4.7)		
Rock Bucket (Straight Edge)	w/teeth			3.6 (4.7)			
Heavy Duty Bucket	w/B.O.C.	4.25 (5.55)					
	w/teeth	4.1 (5.35)					
Light Material Bucket	w/B.O.C.	○		5.2 (6.8)		5.2 (6.8)	○
	w/o teeth (Bare)					4.9 (6.4)	
Stockpile Bucket for High Lift Boom	w/B.O.C.	4.35 (5.7)		3.8 (5.0)		3.8 (5.0)	
	w/teeth	4.2 (5.5)				3.6 (4.7)	
Bucket for Two-way Dump	w/B.O.C.					3.0 (3.9)	
	w/o teeth					3.0 (3.9)	
Waste Handling Bucket	Quick-coupler	○					○
High Dump Bucket	Quick-coupler	○					○
High Lift Boom		○	○	○	○	○*	
B.O.C.		○	○	○	○	○	○
B.O.C. Long Life						○	
Segment Edge				○		○	
Teeth	Bolt-on teeth			○	○	○	
	Bolt-on teeth for limestone					○	
	Bolt-on teeth for long time					○	
	Tip type bolt on	○		○	○	○	
	Tip type weld on					○	
Log Grapple	Pin-on type			○			
Lumber Grapple							
Fork Carrier (Pallet Fork)	Pin-on type						○
	w/coupler	○					
Quick-coupler	Hyd. type	○					
Additional Counterweight	Rear	○	○	○		○	○ (STD)
	Side		○	○			
	Heavy	○					
Bucket Cylinder for high lift						○	

*: Install the additional counterweight.

***: Install the counterweight for log & fork attachments.

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA480-6	WA480-6R	WA500-8	WA500-8	WA500-8
	Source	Japan	Japan	Japan	USA	Germany
Stockpile Bucket	w/B.O.C.	4.6 (6.0)	4.6 (6.0)	5.8 (7.6)	5.8 (7.6)	5.6 (7.3)
	w/teeth	4.3 (5.6)	4.3 (5.6)	5.5 (7.2)		5.3 (6.9)
	w/teeth & segment					
Excavating Bucket	w/B.O.C.	4.1 (5.4)	4.1 (5.4)	5.2 (6.8)	5.2 (6.8)	
	w/teeth	3.8 (5.0)	4.1 (5.4)	5.0 (6.5)		
	w/teeth & segment	4.1 (5.4)	4.1 (5.4)	5.2 (6.8)		
Loose Material Bucket	w/B.O.C.	4.9 (6.4)	4.9 (6.4)	6.3 (8.2)	6.3 (8.2)	6.3 (8.2)
	w/teeth					6.0 (7.8)
Light Material Bucket	w/B.O.C.	6.1 (8.0)	6.1 (8.0)			
	w/teeth					
Excavating Bucket for High Lift Boom (Straight Edge)	w/B.O.C.			4.5 (5.9)	4.5 (5.9)	4.5 (5.9)
	w/teeth (Tip type)			4.3 (5.6)		
	w/teeth & segment			4.5 (5.9)		
Spade Nose Rock Bucket (V-edge)	w/B.O.C.					5.6 (7.3)
	w/teeth			4.7 (6.1)		
	w/teeth & segment			5.0 (6.5)		5.6 (7.3)
Rock Bucket (Straight Edge)	w/B.O.C.					5.6 (7.3)
	w/teeth					5.3 (6.9)
Rock Bucket for High Lift Boom (Spade Nose)	w/teeth & segment			4.5 (5.9)		
	w/teeth			4.3 (5.6)		
Heavy-duty Rock Bucket (Spade Nose)	w/teeth & segments					
	w/teeth					
Right Material Bucket						
High Dump Bucket						
High Lift Boom				○	○	○
B.O.C.		○			○	○
Teeth	Bolt-on teeth					
	Tip type bolt on		○	○	○	○
Log Grapple	Pin-on type					○
Fork Carrier (Pallet Fork)	Pin-on type	○				
	w/coupler					○
Quick-coupler	Hyd. Type					○
	Rear				○	○
Additional Counterweight	Side					
	Heavy					
	for log & fork					

*: Install the additional counterweight.

***: Install the counterweight for log & fork attachments.

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA500-7	WA500-6	WA500-6R	WA500-3
	Source	Japan	Japan	Japan	Japan
Stockpile Bucket	w/B.O.C.	5.6 (7.3) [○]	5.6 (7.3) [○]	5.6 (7.3) [○]	5.6 (7.3) [○]
	w/teeth		5.3 (6.9) [○]	5.3 (6.9) [○]	5.3 (6.9) [○]
	w/teeth & segment				
Excavating Bucket	w/B.O.C.	5.2 (6.8) [○]	5.2 (6.8) [○]	5.2 (6.8) [○]	5.2 (6.8) [○]
	w/teeth		5.0 (6.5) [○]	5.0 (6.5) [○]	5.0 (6.5) [○]
	w/teeth & segment		5.2 (6.8) [○]	5.2 (6.8) [○]	5.2 (6.8) [○]
Loose Material Bucket	w/B.O.C.	6.3 (8.2) [○]			
	w/teeth				
Light Material Bucket	w/B.O.C.				
	w/teeth				
Excavating Bucket for High Lift Boom (Straight Edge)	W/B.O.C.		4.5 (5.9) [○]	4.5 (5.9) [○]	4.5 (5.9) [○]
	w/teeth (Tip type)		4.3 (5.6) [○]	4.3 (5.6) [○]	4.3 (5.6) [○]
	w/teeth & segment		4.5 (5.9) [○]	4.5 (5.9) [○]	4.5 (5.9) [○]
Spade Nose Rock Bucket (V-edge)	w/B.O.C.				
	w/teeth				
	w/teeth & segment				
Rock Bucket (Straight Edge)	w/B.O.C.				
	w/teeth				
Rock Bucket for High Lift Boom (Spade Nose)	w/teeth & segment				
	w/teeth				
Heavy-duty Rock Bucket (Spade Nose)	w/teeth & segment		5.0 (6.5) [○]	5.0 (6.5) [○]	5.0 (6.5) [○]
	w/teeth		4.7 (6.1) [○]	4.7 (6.1) [○]	4.7 (6.1) [○]
Right Material Bucket					
High Dump Bucket					
High Lift Boom		○	○	○	
B.O.C.		○	○	○	○
Teeth	Bolt-on teeth				
	Tip type bolt on		○	○	○
Log Grapple	Pin-on type				
Fork Carrier (Pallet Fork)	Pin-on type				
	w/coupler				
Quick-coupler	Hyd. Type				
Additional Counterweight	Rear	○	○		○
	Side				
	Heavy				
	for log & fork				

*: Install the additional counterweight.

***: Install the counterweight for log & fork attachments.

**Attachment
Availability**

WHEEL LOADERS

Item	Model	WA600-8	WA600-6	WA600-6R	WA600-3	WA700-3	WA800-3E0
	Source	Japan	Japan	Japan	Japan	Japan	Japan
Stockpile Bucket	w/tip teeth					9.4 (11.4)	
	w/teeth & segment edge					9.4 (11.4)	
Excavating Bucket (Straight Edge)	w/B.O.C.	6.5 (8.5)	6.5 (8.5)	6.5 (8.5)	6.4 (8.4)		
	w/teeth & segment edge	6.5 (8.5)	6.5 (8.5)	6.5 (8.5)		8.7 (11.4)	
	w/tip teeth				6.1 (8.0)	8.7 (11.4)	
Excavating Bucket with Short Boom (Straight Edge)	w/B.O.C.	7.0 (9.2)	7.0 (9.2)	7.0 (9.2)			
	w/teeth & segment edge	7.0 (9.2)	7.0 (9.2)	7.0 (9.2)			
Stockpile Bucket for High Lift Boom	w/tip type teeth				5.6 (7.3)		
Excavating Bucket for High Lift Boom (Straight Edge)	w/tip type teeth				5.6 (7.3)		
Spade Nose Rock Bucket (V-edge)	w/tip type teeth				6.1 (8.0)	8.7 (11.4)	11.0 (14.4)
	w/o teeth					8.7 (11.4)	11.0 (14.4)
	w/teeth & segment edge	6.4 (8.4)	6.4 (8.4)	6.4 (8.4)			
Spade Nose Rock Bucket (V-edge) with Short Boom	w/teeth & segment edge	7.0 (9.2)	7.0 (9.2)	7.0 (9.2)			
Spade Nose Rock Bucket (V-edge) for High Lift Boom	w/tip type teeth				5.6 (7.3)	8.0 (11.4)	10.0 (13.1)
Stockpile Bucket (Spade Nose)	w/tip teeth						12.3 (16.1)
	w/B.O.C.						11.0 (14.4)
	w/teeth & segment edge	7.0 (9.2)	7.0 (9.2)	7.0 (9.2)			
Stockpile Bucket (Spade Nose) for High Lift Boom	w/tip type teeth					8.7 (11.4)	
Heavy-duty Rock Bucket (Spade Nose)	w/teeth & segment edge	6.4 (8.4)				8.7 (11.4)	11.0 (14.4)
Load & Carry Bucket with Short Boom (Spade Nose)	w/teeth & segment edge	7.8 (10.2)			7.5 (9.8)		○
Coal Bucket					11.0 (14.4)		
High Lift Boom							○*
Short Boom		○	○	○	○*		○*
B.O.C.		○	○	○			
Segment Edge	Bolt-on	○	○	○	○		
	Weld on		○	○			
Teeth	Tip type bolt on		○	○	○		
	Tip type teeth for semi-long						○
	Tip type weld on					○	○
	Tip type weld on (sharp)					○	○
	Tip type teeth for long life						
	Tip type teeth for limestone (sharp)					○	○
Additional Counterweight	Rear	○ (STD)	○	○	○	○	○
	for log & fork		○	○	○		
	for high lift boom				○		○
	for L & C specs, with short boom	○			○		○

*: Install the additional counterweight.

***: Install the counterweight for log & fork attachments.

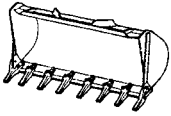
**Attachment
Availability**

WHEEL LOADERS

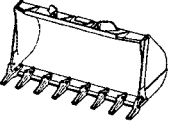
Item	Model	WA800-3	WA900-8	WA900-3E0	WA900-3	WA1200-6
	Source	Japan	Japan	Japan	Japan	Japan
Spade Nose Rock Bucket (V-edge)	w/tip type teeth	11.0 (14.4)		13.0 (17.0)	13.0 (17.0)	20.0 (26.2)
	w/o teeth	11.0 (14.4)		13.0 (17.0)	13.0 (17.0)	20.0 (26.2)
	w/teeth & segment edge		13.0 (17.0)			
Spade Nose Rock Bucket (V-edge) with Short Boom	w/teeth & segment edge					
Spade Nose Rock Bucket (V-edge) for High Lift Boom	w/tip type teeth	10.0 (13.1)	11.5 (15.0)	11.5 (15.0)	11.5 (15.0)	18.0 (23.5)
Stockpile Bucket (Spade Nose)	w/tip teeth	12.3 (16.1)				
	w/B.O.C.	11.0 (14.4)				
	w/teeth & segment edge					
Stockpile Bucket (Spade Nose) for High Lift Boom	w/tip type teeth					
Heavy-duty Rock Bucket (Spade Nose)	w/teeth & segment edge	11.0 (14.4)				
Load & Carry Bucket with Short Boom (Spade Nose)	w/teeth & segment edge	○				
Coal Bucket		20.5 (26.8)				35.0 (45.8)
High Lift Boom		○*	○	○*	○*	
Short Boom		○*				
B.O.C.						
Segment Edge	Bolt-on					
	Weld on					
Teeth	Tip type bolt on					
	Tip type teeth for semi-long	○		○	○	
	Tip type weld on	○		○	○	
	Tip type weld on (sharp)	○		○	○	○
	Tip type teeth for long life				○	
	Tip type teeth for limestone (sharp)	○		○	○	
Additional Counterweight	Rear	○				
	for log & fork					
	for high lift boom	○		○	○	
	for L & C specs, with short boom	○				

*: Install the additional counterweight.

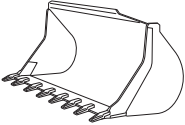
****: Install the counterweight for log & fork attachments.

1. Stockpile Bucket:

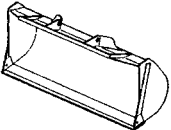
This bucket is used for loading stockpile products, such as crushed rock and construction materials.

2. Excavating (Earthmoving) Bucket:

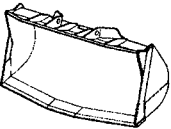
This bucket is used for excavating and loading blasted rock on rock crushing job sites, or for excavating natural ground. It has a flat-blade, straight cutting edge, and provides superior rigidity and wear resistance.

3. Universal Bucket:

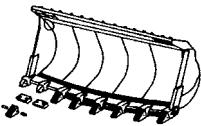
This bucket is classified at middle range between stockpile and earthmoving bucket. It is used for loading stockpile and excavating natural ground. It has a flat cutting edge or teeth.

4. Light Material Bucket:

This bucket is used for loading materials with comparatively light specific gravity [below 1.2 t/m^3 (2000 lb/cu.yd)], such as snow, fertilizer, and livestock feed. It is based on the stockpile bucket, with a lengthened cutting edge and width to give increased capacity. There is also a large capacity coal bucket for loading loose coal with a specific gravity of below 0.89 t/m^3 (1500 lb/cu.yd).

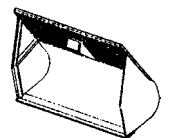
5. Spade-nose Rock Bucket (V-edge type):

This bucket is used for excavating and loading blasted rock on rock crushing job sites. It has a pointed cutting edge, and provides superior rigidity and wear resistance.

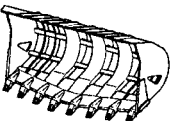
6. Heavy-duty Bucket:

This bucket is used for digging and loading blasted rock on rubble mounds and rock crushing job sites. It has 1-class-larger teeth, and a large, thicker wear plate, large corner edge/side guard, and strengthened spill guard.

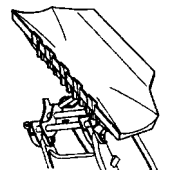
NOTE: When installing this bucket on machines other than the WA700 or WA800, to maintain the stability of the machine, please install an additional counterweight and an orifice (or retainer) for reducing the dumping shock of the bucket .

7. Chip Bucket:

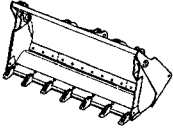
This is a large bucket used for loading loose materials with low specific gravity [below 0.55 t/m^3 (930 lb/cu.yd)], such as chips and grain. The back and top are made of a wire mesh to reduce the weight. This bucket can demonstrate its power in bucket operations in the paper-manufacturing business and sawmills.

8. Skeleton Bucket:

This bucket is used for digging and loading blasted rock on rubble mounds and rock crushing job sites. It has a lattice structure allows it to sift out soil and small rocks, thereby enabling it to select only the rock materials.

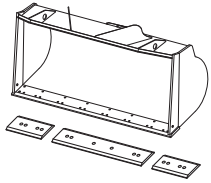
9. Side Dump Bucket:

This bucket is capable of dumping its load to the front, to one side, or to both sides. These features make it the choice for jobs like tunneling work, road construction or snow clearance, where narrow operating areas restrict maneuverability.

10. Multi-purpose Bucket:

This is a versatile bucket that performs scraping, dozing, scooping and various other tasks in addition to excavating and loading jobs. It is especially suited to leveling work and material transport.

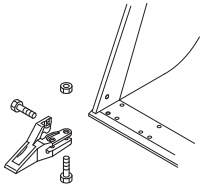
1. Bolt-on Cutting Edge:



FVBH0217

This edge is made for use in loading loose sand and soil, or for loading stockpiled materials. It is bolted to the leading edge of stockpile buckets and may be detached and reversed. The cutting edges are manufactured from especially heat treated, high tension steel, and since they are reversible, both edges can be used. This effectively doubles their working life.

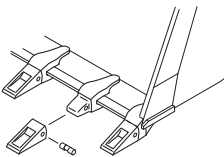
2. Bolt-on Teeth:



FVBH0218

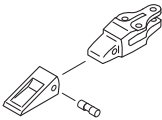
These teeth are suitable for loading or excavation of piles of earth or sand, blasted rock, and jobs in the field that involve digging into the side of slopes. The special heat treated, tensile strength steel alloy used in their production assures that they will wear and have a long service life.

3. Tip-type Teeth:



FVBH0219

These teeth tips which are attached to an adapter that is welded or bolted to the bucket edge. This means that an interchangeable part, the tooth tip, absorbs most of the wear and protects the actual bucket edge. They give excellent performance when used to handle blasted rock, piles of earth and similarly heavy duty tasks.



FVBH0220

4. Tip-type Teeth (Long Life):

These teeth are larger than the normal teeth and provide an extended wear life, so they are suitable for use on job sites where there is rapid wear.

5. Tip-type Teeth (Sharp):

These teeth are sharper than the normal size teeth. They are suitable for work in handling large lumps of soft rock, or for grubbing work.

6. Bolt-on Teeth or Tip-type Teeth for Limestone:

These teeth are suitable for excavating or loading soft rock with a low silica content. (For example, limestone, shale or mudstone with low silica content.) These teeth are painted white.

NOTE: These teeth are not suitable for operation in rock with a high silica content, or with hard rocks. If they are used on such job sites, their life will be reduced. In such cases, use the normal teeth.

1. Hensley teeth

1) Features

Tooth

- Penetrative ability can be maintained for long period of time by performing the rotation/ reverse.
- Wear resistance is reinforced with "Through-Hard" (hardened entirely).



Adapter

- Adapter nose is large and sturdy.
- Shape of the adapter is smoothly round which prevents concentration of stress.



Tooth lock pin

- It can be removed and installed easily by using socket wrench.
- It is able to use several times, and economical.

KMAX is easier

KMAX is locked with a latch. This ensures the easiest, safest and most secure locking method for a hammer-less system. No prying or special tools are needed. The teeth can be changed quickly and with minimal effort.



Locked and open position









Remark: The photo shows the tooth for excavators.

2) Teeth Selection

Application model

Series		Wheel loaders
KMAX	XS	STANDARD/HEAVY DUTY
	XS04	WA75-WA100
	XS05	WA120-WA180
	XS10	WA200
K15	XS15	WA250-WA380
K20	XS20	WA400-WA450
K25	XS25	WA500
K30	XS30	WA260-1
K40	XS40	WA600
K50	XS50	WA600
K70	XS70	WA700
K85	XS85	WA700-WA800
	XS115	WA800-WA900
	XS145	WA1200

KMAX and XS teeth

<p>AG</p> <p>Abrasion: High abrasion</p>	
<p>RP1</p> <p>Rock penetrator: Good bottom wear and penetration</p>	
<p>RP2</p> <p>Rock Penetrator: Greater bottom wear and penetration</p>	
<p>ABR</p> <p>Heavy Abrasion: Maximum bottom wear material</p>	
<p>BPS</p> <p>General Purpose: General applications</p>	
<p>RPX</p> <p>Rock Penetrator Heavy: Offers more material for longer wear life</p>	

2. K VX teeth system

1) Features

KVX GET is a "system", where the lip and other GET components work together to bring you unique benefits:

1. Recessed bolt heads mean:

- better penetration & roductivity
- less hang-ups during dumping
- no exposed nuts inside the bucket

2. Threaded lip and/or GET components mean:

- positive retention throughout wear life
- more useable wear material (no mounts or plough bolt heads to wear off)
- elimination of troublesome nuts, washers, lock or retainers

3. KVX bolts mean:

- far superior GET retention than both plough bolt systems & pinned/locked systems
- high strength, enhancing impact resistance & allowing fitment of longer-life components which protrude further in front of the lip than conventional bolt or pin/lock systems can retain

4. Flat faced components mean up to 100% useable steel!

- after use as a GET components, competitive shrouds, adapters & teeth are discarded as scrap (often more than 50% "throw-away"). In contrast, KVX's "flat" GET components are re-used as wear & impact liners elsewhere in the mining operation, saving you money on alterative wear products

5. Adapterless & retainerless KVX design means:

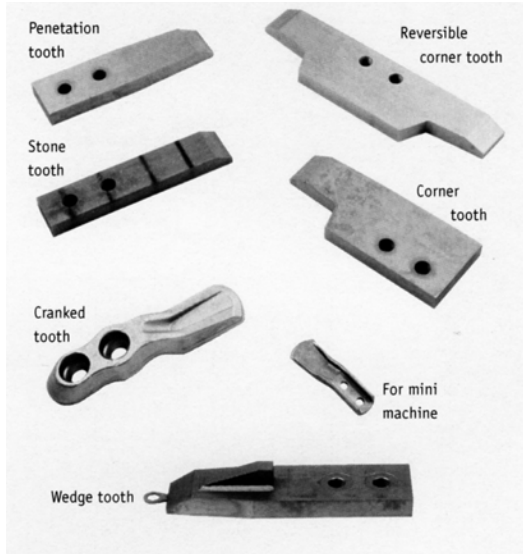
- no adapters, retainers or profile bars to repair or replace
- no adapter, mount or profile bar welding
- almost zero risk of GET loss
- less risk of significant repair and downtime related to site costs due to lost GET parts damaging other plant
- excellent protection for underside of lip & bucket (minimal bucket underside wear)
- thinner frontal GET/lip profile for superior productivity and fuel efficiency plus less wheel spin

6. Sagitta steel means:

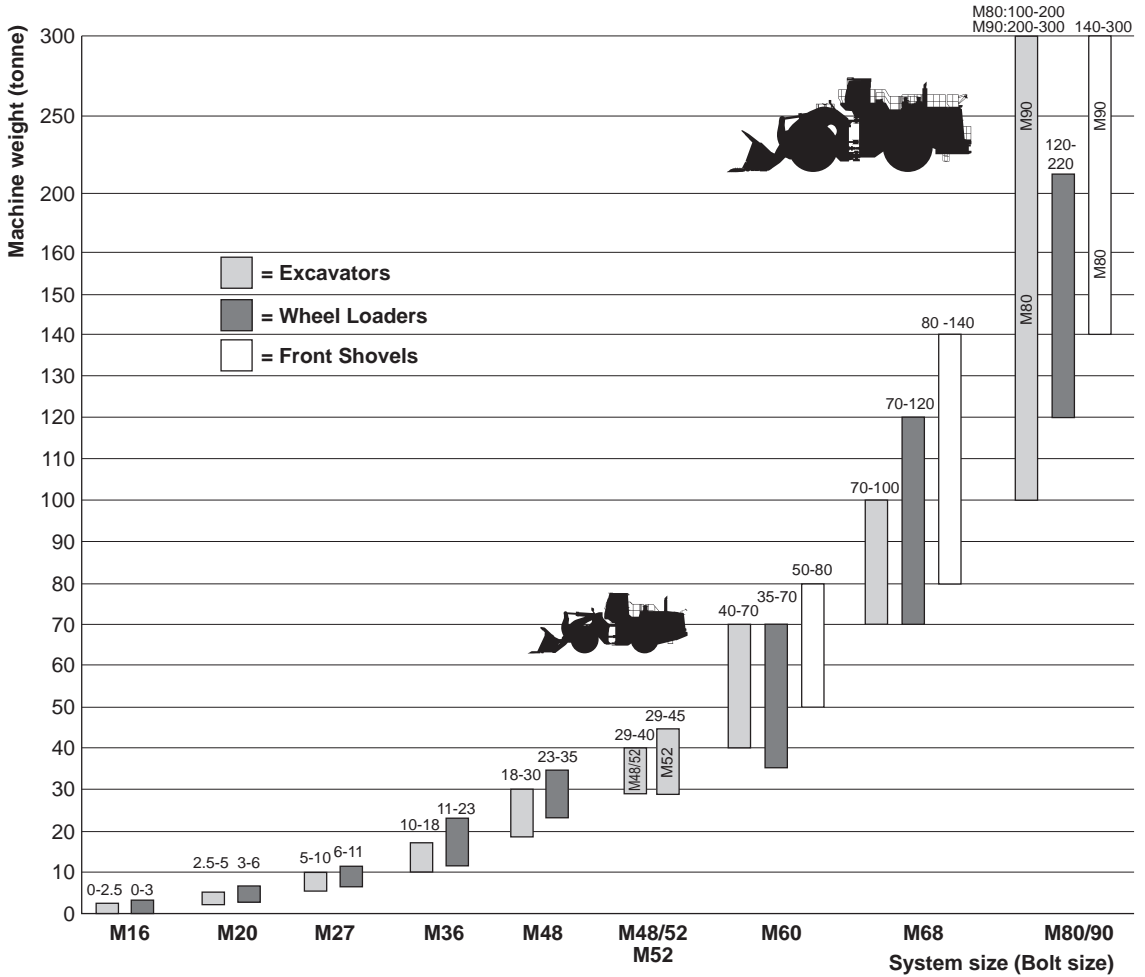
- longer GET life than typical castings (due to toughness, hardness and available steel)
- fewer change-outs and less bucket & GET Maintenance
- superior reliability



2) Teeth selection



How to select the right K VX system

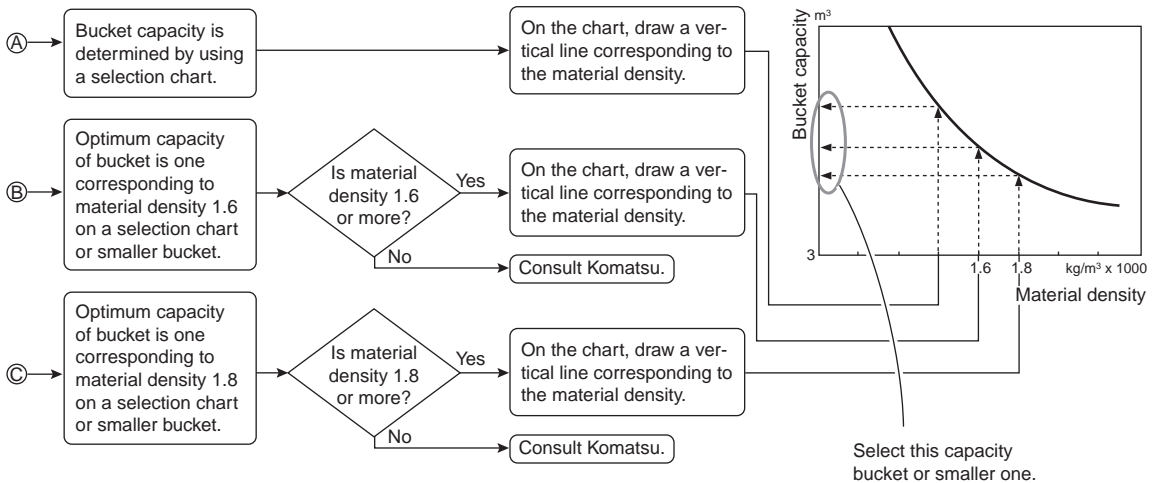
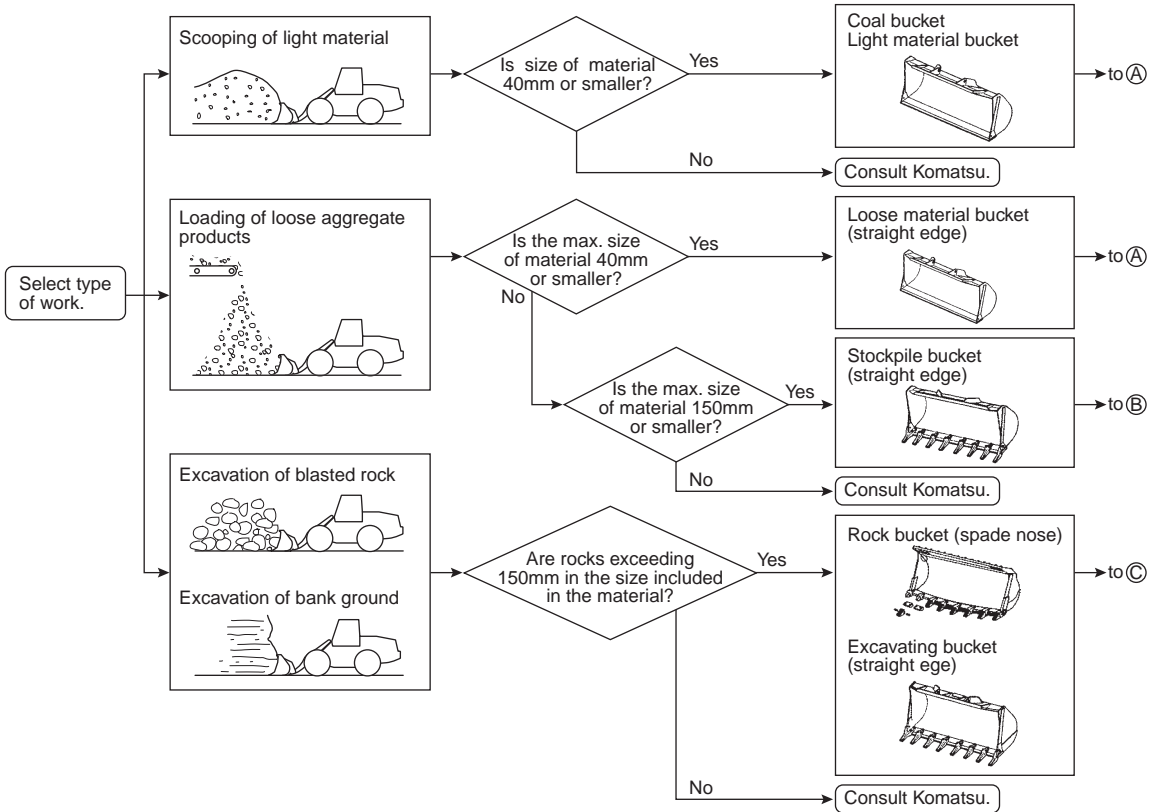


The graph indicates the recommended K VX system based on machine weight.

If in doubt, choose the larger system.

BUCKET SELECTION GUIDE FOR WHEEL LOADER

The optimum bucket type and capacity are determined in consideration of the "type of work" and the "operational stability".



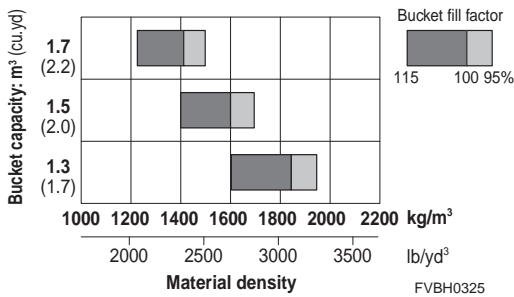
Bucket selection for wheel loader

The appropriate bucket capacity for each model is determined in relation with the density of material that the bucket carries.

The graphs are shown for the models WA150-6. The capacity of the currently available buckets for each model are shown there. Komatsu can develop other sizes of buckets according to these graphs, if it is requested through a distributor.

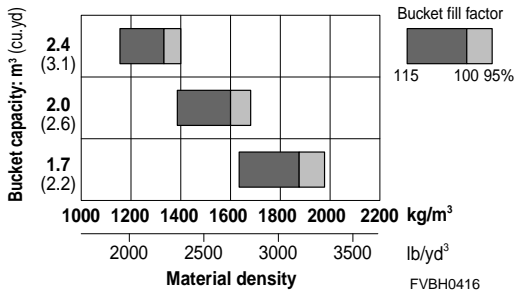
Bucket capacity in the graphs means SAE heaped capacity (Calculation method indicated on page 3A-130). The line in the graph shows the case when the bucket fill factor is 100%.

WA150-6, WA150-5



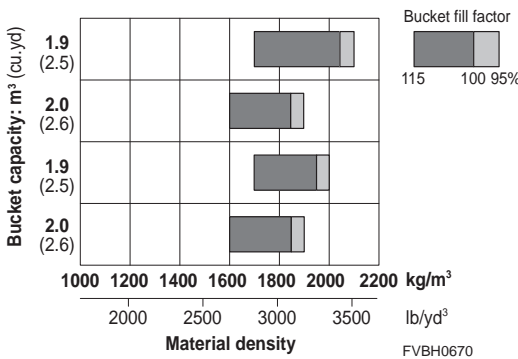
- 1.7 m³
(2.2 cu.yd) Light Material Bucket
(Scooping and loading of light material)
- 1.5 m³
(2.0 cu.yd) Stockpile Bucket
(Loading and excavating of soil, sand and a variety of other commonly handled material)
- 1.3 m³
(1.7 cu.yd) Excavating Bucket
(Loading and excavating of crushed or blasted rock)

**WA200-8 (Japan source), WA200-7 (Japan source), WA200-6 (Japan source)
WA200-6 (Brazil source), WA200-5 (Japan source)**



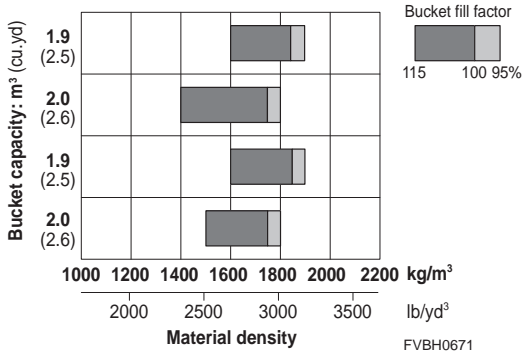
- 2.4 m³
(3.1 cu.yd) Light Material Bucket with B.O.C.
(Scooping and loading of light material)
- 2.0 m³
(2.6 cu.yd) Stockpile Bucket with B.O.C.
(Loading and excavating of soil, sand and a variety of other commonly handled material)
- 1.7 m³
(2.2 cu.yd) Excavating Bucket with B.O.C.
(Loading and excavating of soil, sand and a variety of other commonly handled material)

**WA200-8 (Germany source)
Direct mount**



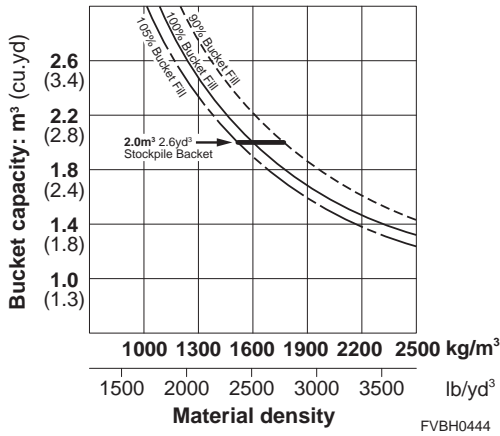
- 1.9 m³
(2.5 cu.yd) Bucket with Flat Bottom with Teeth
- 2.0 m³
(2.6 cu.yd) Bucket with Flat Bottom with B.O.C.
- 1.9 m³
(2.5 cu.yd) Bucket with Raised Bottom with Teeth
- 2.0 m³
(2.6 cu.yd) Bucket with Raised Bottom with B.O.C.

Quick coupler mount



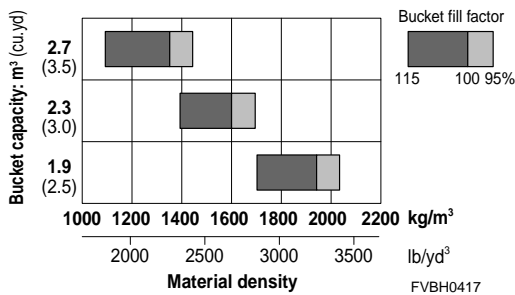
- 1.9 m³ (2.5 cu.yd) Bucket with Flat Bottom with Teeth
- 2.0 m³ (2.6 cu.yd) Bucket with Flat Bottom with B.O.C.
- 1.9 m³ (2.5 cu.yd) Bucket with Raised Bottom with Teeth
- 2.0 m³ (2.6 cu.yd) Bucket with Raised Bottom with B.O.C.

WA200PZ-6 (Japan source)



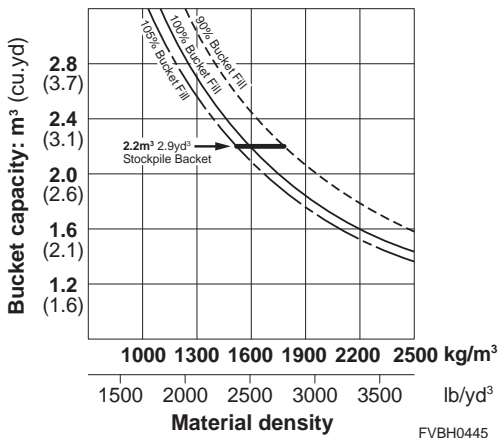
- 2.0 m³ (2.6 cu.yd) Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)

WA250-6 (Japan source), WA250-5 (Japan source)



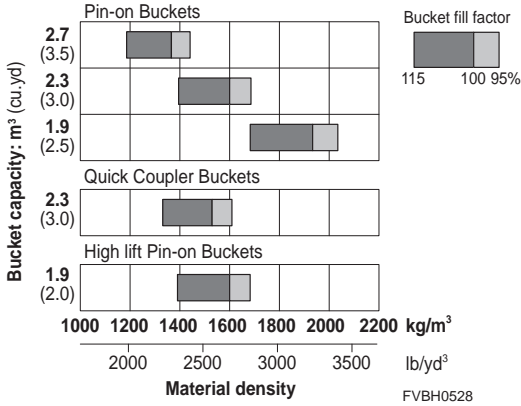
- 2.7 m³ (3.5 cu.yd) Light Material Bucket (Scooping and loading of light material)
- 2.3 m³ (3.0 cu.yd) Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 1.9 m³ (2.5 cu.yd) Excavating Bucket (Loading and excavating of crushed or blasted rock)

WA250PZ-6 (Japan source)



- 2.2 m³ (2.9 cu.yd) Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)

WA270-8 (Japan source), WA270-8 (USA source)



Pin-on Bucket

2.7 m³ (3.5 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)

2.3 m³ (3.0 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)

1.9 m³ (2.5 cu.yd) Excavating Bucket with B.O.C. (Loading and excavating of crushed and blasted material)

Quick Coupler bucket

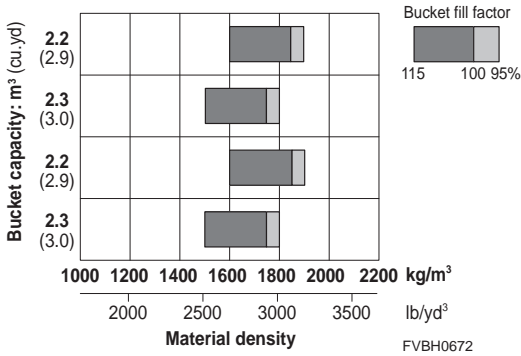
2.3 m³ (3.0 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)

High lift Pin-on Bucket

1.9 m³ (2.5 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)

WA270-8 (Germany source)

Direct mount



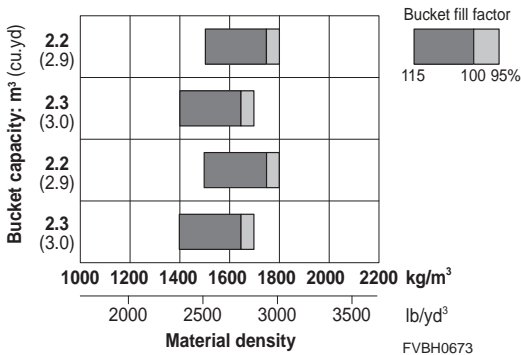
2.2 m³ (2.9 cu.yd) Bucket with Flat Bottom with Teeth

2.3 m³ (3.0 cu.yd) Bucket with Flat bottom with B.O.C.

2.2 m³ (2.9 cu.yd) Bucket with Raised Bottom with Teeth

2.3 m³ (3.0 cu.yd) Bucket with Raised Bottom with B.O.C.

Quick coupler mount



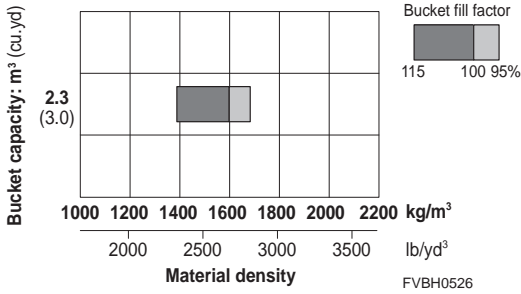
2.2 m³ (2.9 cu.yd) Bucket with Flat Bottom with Teeth

2.3 m³ (3.0 cu.yd) Bucket with Flat bottom with B.O.C.

2.2 m³ (2.9 cu.yd) Bucket with Raised Bottom with Teeth

2.3 m³ (3.0 cu.yd) Bucket with Raised Bottom with B.O.C.

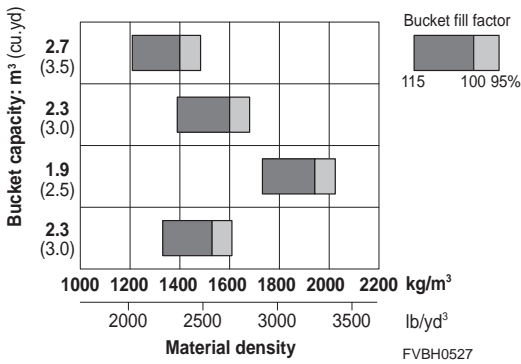
WA270-7 (Japan source)



2.3 m³
(3.0 cu.yd)

Stockpile Bucket with B.O.C.
(Loading and excavating of soil, sand and a variety of other commonly handled material)

WA270-7 (USA source)



Pin-on Bucket

2.7 m³
(3.5 cu.yd)

Light Material Bucket with B.O.C.
(Scooping and loading of light material)

2.3 m³
(3.0 cu.yd)

Stockpile Bucket with B.O.C.
(Loading and excavating of soil, sand and a variety of other commonly handled material)

1.9 m³
(2.5 cu.yd)

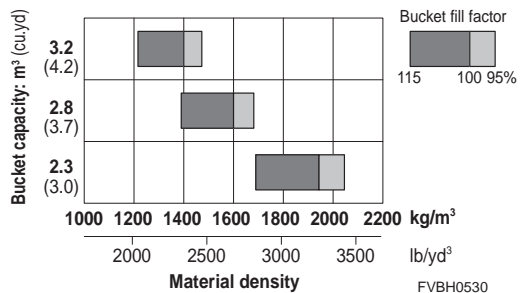
Excavating Bucket with B.O.C.
(Loading and excavating of crushed and blasted material)

Quick Coupler bucket

2.3 m³
(3.0 cu.yd)

Stockpile Bucket with B.O.C.
(Loading and excavating of soil, sand and a variety of other commonly handled material)

**WA320-8 (Japan source), WA320-7 (Japan source)
WA320-8 (USA source), WA320-7 (USA source)**



3.2 m³
(4.2 cu.yd)

Light Material Bucket with B.O.C.
(Scooping and loading of light material)

2.8 m³
(3.7 cu.yd)

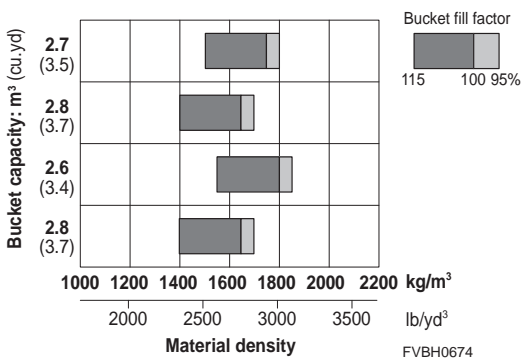
Stockpile Bucket with B.O.C.
(Loading and excavating of soil, sand and a variety of other commonly handled material)

2.3 m³
(3.0 cu.yd)

Excavating Bucket with B.O.C.
(Loading and excavating of crushed and blasted rock)

WA320-8 (Germany source)

Direct mount



2.7 m³
(3.5 cu.yd)

Bucket with Flat Bottom with Teeth

2.8 m³
(3.7 cu.yd)

Bucket with Flat Bottom with B.O.C.

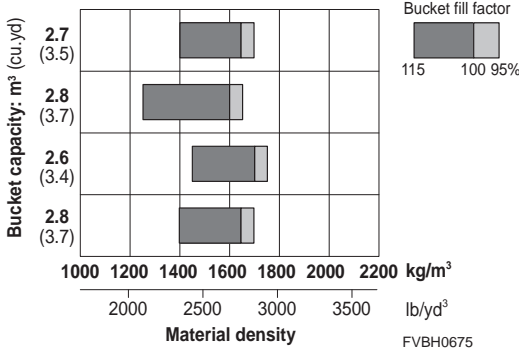
2.6 m³
(3.4 cu.yd)

Bucket with Raised Bottom with Teeth

2.8 m³
(3.7 cu.yd)

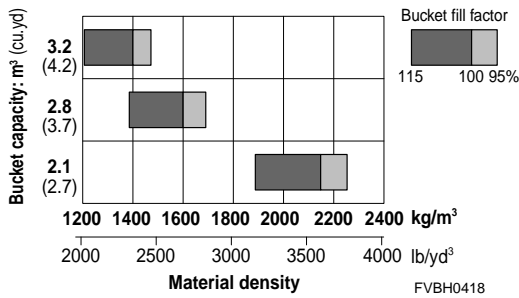
Bucket with Raised Bottom with B.O.C.

Quick coupler mount



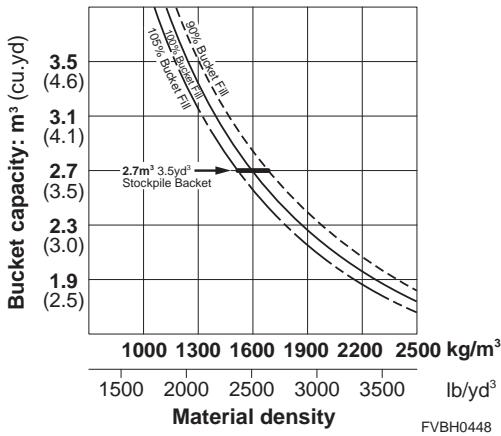
- 2.7 m³ (3.5 cu.yd) Bucket with Flat Bottom with Teeth
- 2.8 m³ (3.7 cu.yd) Bucket with Flat Bottom with B.O.C.
- 2.6 m³ (3.4 cu.yd) Bucket with Raised Bottom with Teeth
- 2.8 m³ (3.7 cu.yd) Bucket with Raised Bottom with B.O.C.

WA320-6 (Japan source), WA320-6 (Brazil source)



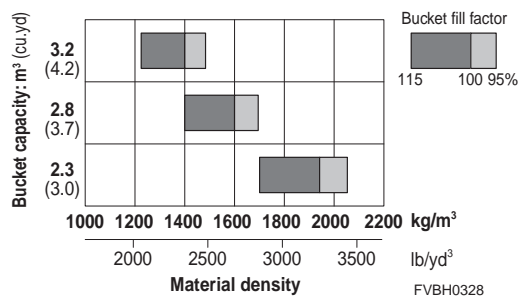
- 3.2 m³ (4.2 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)
- 2.8 m³ (3.7 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 2.1 m³ (2.7 cu.yd) Excavating Bucket with Teeth (Loading and excavating of crushed or blasted rock)

WA320PZ-6 (Japan source)



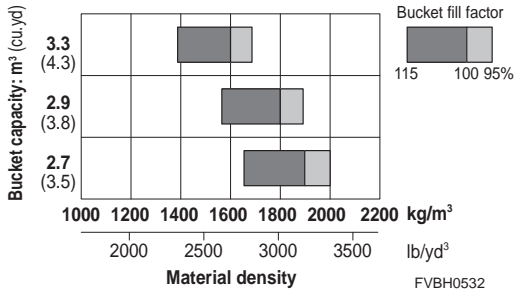
- 2.7 m³ (3.5 cu.yd) Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)

WA320-5 (Japan source)



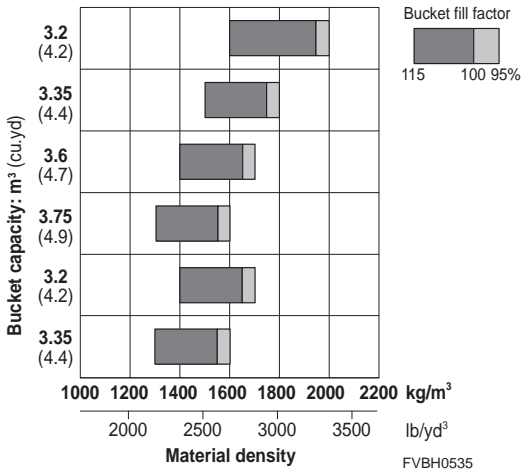
- 3.2 m³ (4.2 cu.yd) Light Material Bucket (Scooping and loading of light material)
- 2.8 m³ (3.7 cu.yd) Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 2.3 m³ (3.0 cu.yd) Excavating Bucket (Loading and excavating of crushed or blasted rock)

**WA380-8 (Japan source), WA380-8 (USA source)
WA380-7 (Japan source)**



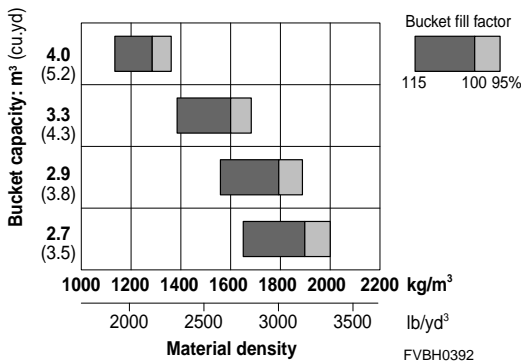
- 3.3 m³ (4.3 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 2.9 m³ (3.8 cu.yd) Excavating Bucket with B.O.C.
- 2.7 m³ (3.5 cu.yd) Excavating Bucket with B.O.C. (Loading and excavating of blasted rock)

WA380-8 (Germany source)



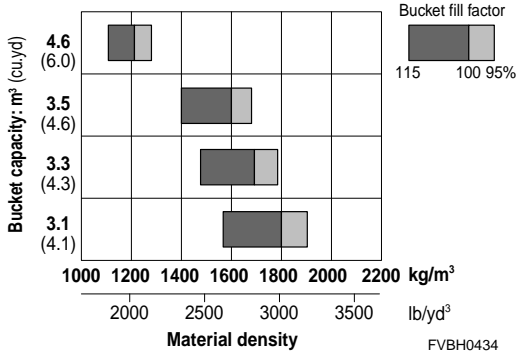
- 3.2 m³ (4.2 cu.yd) Bucket with Teeth
- 3.35 m³ (4.4 cu.yd) Bucket with B.O.C.
- 3.6 m³ (4.7 cu.yd) Bucket with Teeth
- 3.75 m³ (4.9 cu.yd) Bucket with B.O.C.
- 3.2 m³ (4.2 cu.yd) Bucket with Teeth (High Lift mount)
- 3.35 m³ (4.4 cu.yd) Bucket with B.O.C. (High Lift mount)

**WA380-6(Japan source), WA380Z-6 (Japan source)
WA380-5 (Japan source)**



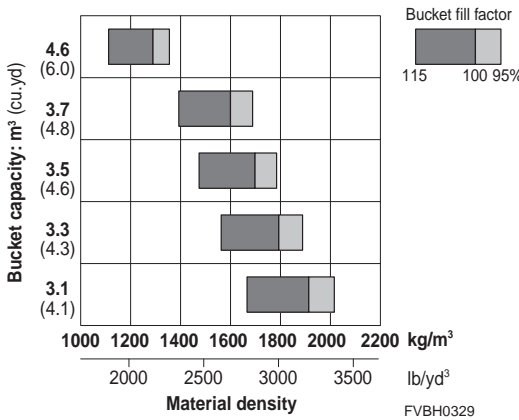
- 4.0 m³ (5.2 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)
- 3.3 m³ (4.3 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 2.9 m³ (3.8 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)
- 2.7 m³ (3.5 cu.yd) Excavating Bucket with Teeth (Loading and excavating of blasted rock)

WA430-6 (Japan source)



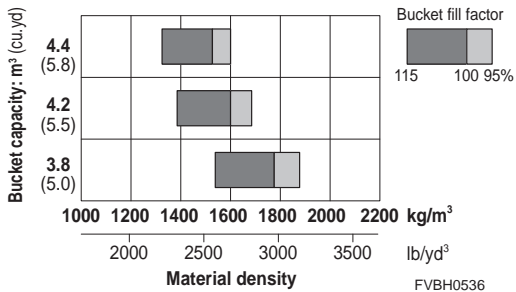
- 4.6 m³ (6.0 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)
- 3.5 m³ (4.6 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 3.3 m³ (4.3 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)
- 3.1 m³ (4.1 cu.yd) Excavating Bucket with Teeth (Loading and excavating of blasted rock)

WA430-5



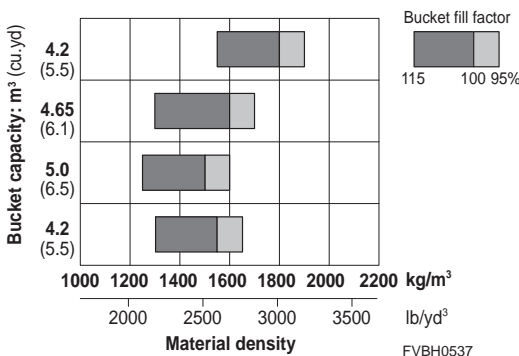
- 4.6 m³ (6.0 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)
- 3.7 m³ (4.8 cu.yd) Stockpile Bucket with B.O.C. (Loading of crushed stone and dry sand)
- 3.5 m³ (4.6 cu.yd) Stockpile Bucket with Teeth (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 3.3 m³ (4.3 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Bolt-on Teeth and Segments (Loading or excavating of blasted rock)
- 3.1 m³ (4.1 cu.yd) Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose) (Loading or excavating of blasted rock)

**WA470-8 (Japan source), WA470-7 (Japan source)
WA470-8 (USA source)**



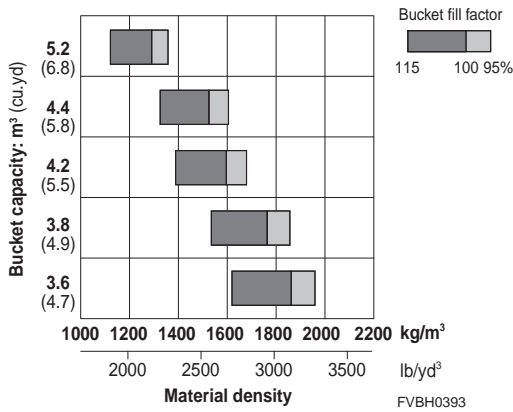
- 4.4 m³ (5.8 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)
- 4.2 m³ (5.5 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 3.8 m³ (5.0 cu.yd) Excavating Bucket with B.O.C. (Loading and excavating of crushed and blasted material)

WA470-8 (Germany source)



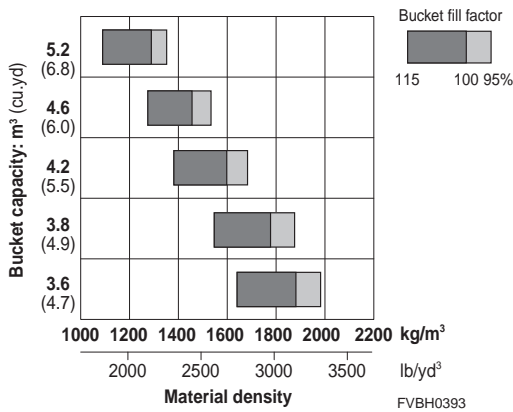
- 4.2 m³ (5.5 cu.yd) High Efficiency Universal Bucket with Teeth
- 4.65 m³ (6.1 cu.yd) High Efficiency Stockpile Bucket with B.O.C.
- 5.0 m³ (6.5 cu.yd) Stockpile Bucket with Flat Bottom with B.O.C.
- 4.2 m³ (5.5 cu.yd) High Efficiency Universal Bucket (high-lift mount) with Teeth

WA470-6 (Japan source), WA470-6R (Japan source)



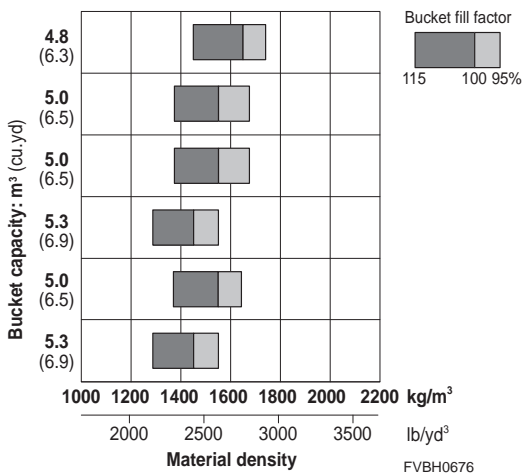
- 5.2 m³ (6.8 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)
- 4.6 m³ (6.0 cu.yd) Loose Material Bucket with B.O.C. (Loading of crushed stone and dry sand)
- 4.2 m³ (5.5 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and variety of other commonly handled material)
- 3.8 m³ (5.0 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)
- 3.6 m³ (4.7 cu.yd) Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose) (Loading and excavating of blasted rock)

WA470-5 (Japan source)



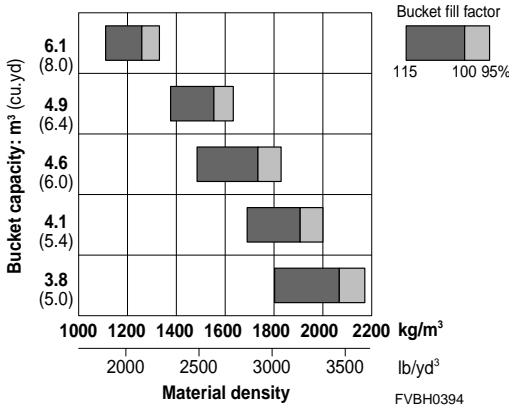
- 5.2 m³ (6.8 cu.yd) Light Material Bucket with B.O.C. (Scooping and loading of light material)
- 4.6 m³ (6.0 cu.yd) Loose Material Bucket with B.O.C. (Loading of crushed stone and dry sand)
- 4.2 m³ (5.5 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and variety of other commonly handled material)
- 3.8 m³ (5.0 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)
- 3.6 m³ (4.7 cu.yd) Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose) (Loading and excavating of blasted rock)

WA480-8 (Germany source)



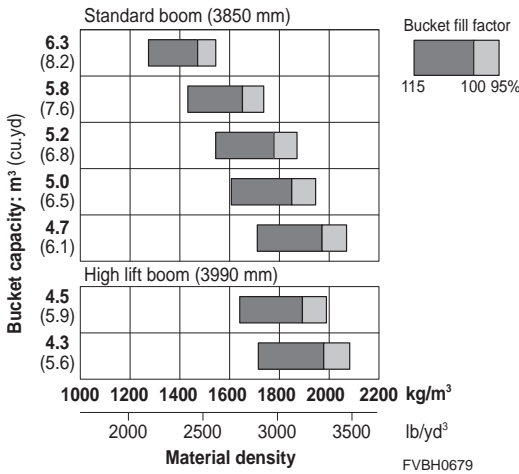
- 4.8 m³ (6.3 cu.yd) Bucket with Flat Bottom with Teeth
- 5.0 m³ (6.5 cu.yd) Bucket with Flat Bottom with B.O.C.
- 5.0 m³ (6.5 cu.yd) Bucket with Flat Bottom with Teeth
- 5.3 m³ (6.9 cu.yd) Bucket with Flat Bottom with B.O.C.
- 5.0 m³ (6.5 cu.yd) Bucket with Raised Bottom with Teeth
- 5.3 m³ (6.9 cu.yd) Bucket with Raised Bottom with B.O.C.

WA480-6 (Japan source), WA480-6R (Japan source)



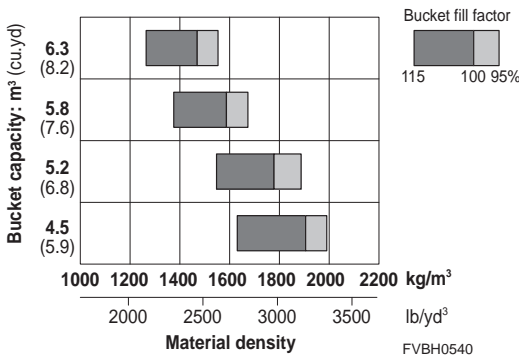
- 6.1 m³ (8.0 cu.yd) Light Material Bucket with B.O.C. (Loading of light material)
- 4.9 m³ (6.4 cu.yd) Loose Material Bucket with B.O.C. (Loading of crushed stone and dry sand)
- 4.6 m³ (6.0 cu.yd) Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)
- 4.1 m³ (5.4 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)
- 3.8 m³ (5.0 cu.yd) Excavating Bucket with Teeth (Loading and excavating of blasted rock)

WA500-8 (Japan source)



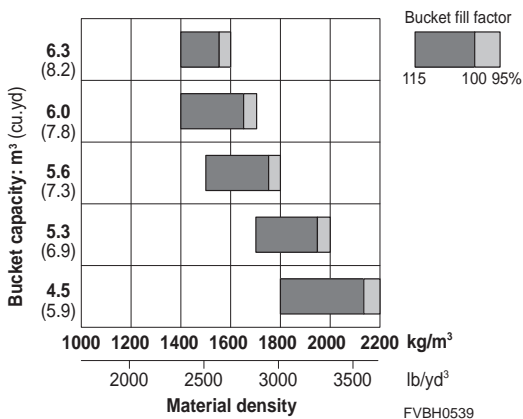
- 6.3 m³ (8.2 cu.yd) Loose Material Bucket with B.O.C. Stockpile Bucket with B.O.C.
- 5.8 m³ (7.6 cu.yd) Excavating Bucket with B.O.C.
- 5.2 m³ (6.8 cu.yd) Excavating Bucket with Teeth & Segments (Spade Nose)
- 5.0 m³ (6.5 cu.yd) Excavating Bucket with Teeth Rock Bucket with Teeth & segments
- 4.7 m³ (6.1 cu.yd) Excavating Bucket with Teeth (Spade Nose)
- 4.5 m³ (5.9 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth & Segments
- 4.3 m³ (5.6 cu.yd) Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose)

WA500-8 (USA source)



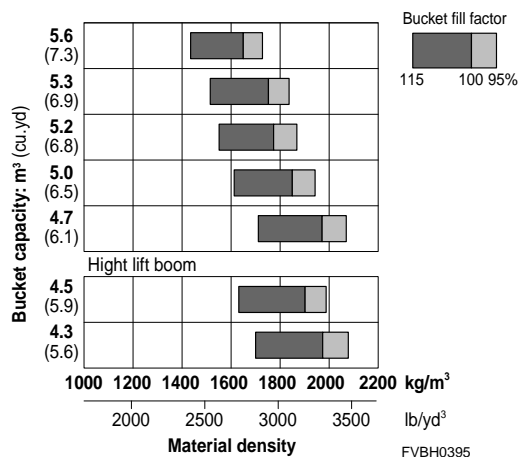
- 6.3 m³ (8.2 cu.yd) Light Material Bucket with B.O.C.
- 5.8 m³ (7.6 cu.yd) Stockpile Bucket with B.O.C.
- 5.2 m³ (6.8 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth & Segments (Spade Nose)
- 4.5 m³ (5.9 cu.yd) Excavating Bucket with B.O.C. (High Lift Boom)

WA500-8 (Germany source)



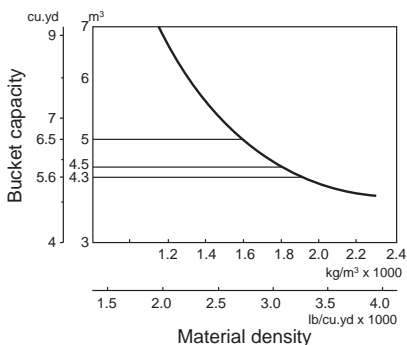
- 6.3 m³ (8.2 cu.yd) Stockpile Bucket
- 6.0 m³ (7.8 cu.yd) Stockpile Bucket
- 5.6 m³ (7.3 cu.yd) Rock Bucket
- 5.3 m³ (6.9 cu.yd) Universal; Bucket
- 4.5 m³ (5.9 cu.yd) Universal Bucket (High-lift mount)

WA500-6 (Japan source), WA500-6R (Japan source)



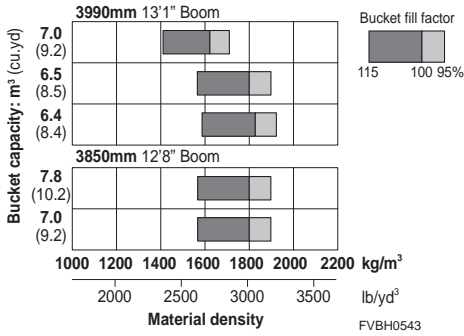
- 5.1 m³ (6.7 cu.yd) Stockpile Bucket with B.O.C.
- 5.3 m³ (6.9 cu.yd) Excavating Bucket with Teeth
- 5.2 m³ (6.8 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segments
- 5.0 m³ (6.5 cu.yd) Excavating Bucket with Teeth Rock Bucket with Teeth and Segments (Spade Nose)
- 4.7 m³ (6.1 cu.yd) Rock Bucket with Teeth (Spade Nose)
- 4.5 m³ (5.9 cu.yd) Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segments
- 4.3 m³ (5.6 cu.yd) Excavating Bucket with Teeth

WA500-3 (Japan source)



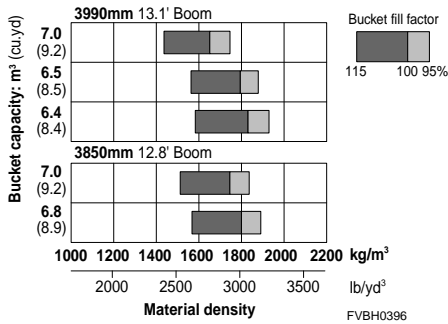
- | | Capacity Heaped m³ (cu.yd) | Struck m³ (cu.yd) |
|---|----------------------------|-------------------|
| I Excavating bucket (straight edge) with teeth | 4.3 (5.6) | 3.6 (4.7) |
| II Excavating bucket (spade nose) with teeth and segment edge | 4.5 (5.9) | 4.1 (5.4) |
| III Stockpile bucket with bolt on cutting edge without teeth ; Loading stockpile products | 5.0 (6.5) | 4.6 (6.0) |

WA600-8 (Japan source)



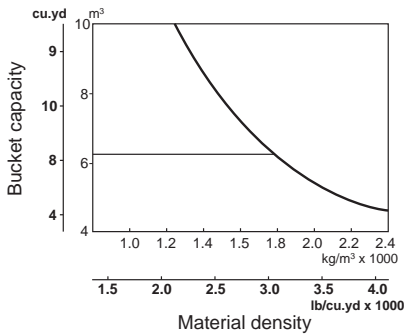
- 3990 mm (13'1") boom
- 7.0 m³ (9.2 cu.yd) Stockpile Bucket
- 6.5 m³ (8.5 cu.yd) Semi Spade Nose with Teeth & Segments
- 6.5 m³ (8.5 cu.yd) Excavating Bucket
- 6.4 m³ (8.4 cu.yd) Strage Edge with Teeth & Segments
- 6.4 m³ (8.4 cu.yd) Excavating Bucket
- 6.4 m³ (8.4 cu.yd) Semi Spade Nose with Teeth & Segments
- 3850 mm (12'8") boom
- 7.8 m³ (10.2 cu.yd) Load & Carry Bucket
- 7.0 m³ (9.2 cu.yd) Semi Spade Nose with, Teeth & Segments
- 7.0 m³ (9.2 cu.yd) Excavating Bucket
- 7.0 m³ (9.2 cu.yd) Semi Spade Nose with Teeth & Segments

WA600-6 (Japan source), WA600-6R (Japan source)



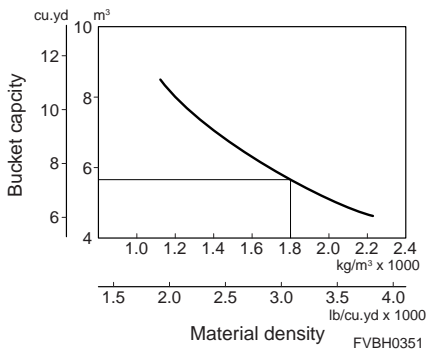
- 7.0 m³ (9.2 cu.yd) Stockpile Bucket with Teeth and weld on Segment edges
- 6.5 m³ (8.5 cu.yd) Excavating Bucket with Teeth and bolt on Segment edges
- 6.4 m³ (8.4 cu.yd) Excavating Bucket with Teeth and weld on Segments edges
- 7.0 m³ (9.2 cu.yd) Excavating Bucket with Teeth and bolt or weld on Segments edges

WA600-3 (Japan source)



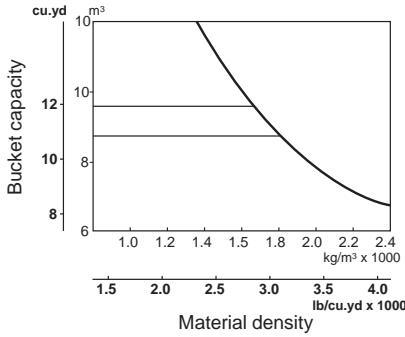
	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)
I Excavating bucket (straight edge) with tip teeth	6.1 (8.0)	5.1 (6.7)
II Excavating bucket (spade nose) with tip teeth	6.1 (8.0)	5.1 (6.7)
III Coal bucket (straight edge)	11.0 (14.4)	9.5 (12.4)

WA600-3 High-lift (Japan source)



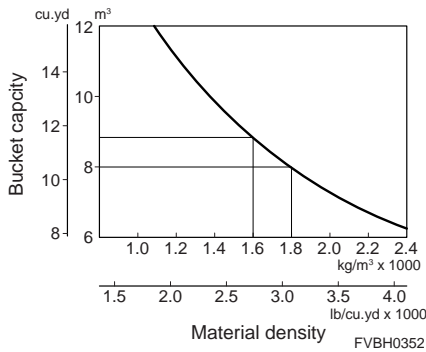
	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)
I Excavating bucket (straight edge) with teeth	5.6 (7.3)	4.0 (5.2)
II Excavating bucket (spade nose) with teeth	5.6 (7.3)	4.0 (5.2)

WA700-3 (Japan source)



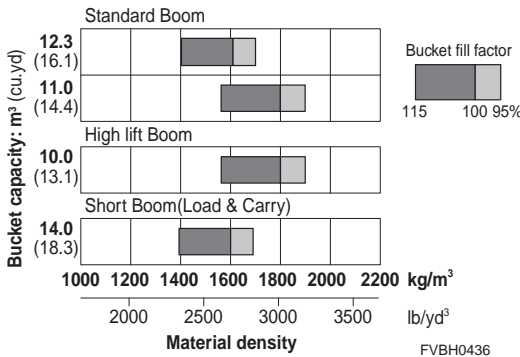
	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)
I Excavating bucket (straight edge) without tip teeth	8.7 (11.4)	7.6 (9.9)
II Excavating bucket (spade nose) without tip teeth	8.7 (11.4)	7.6 (9.9)
III Stockpile bucket (straight edge) without tip teeth	9.4 (12.3)	8.2 (10.7)

WA700-3 High-lift (Japan source)



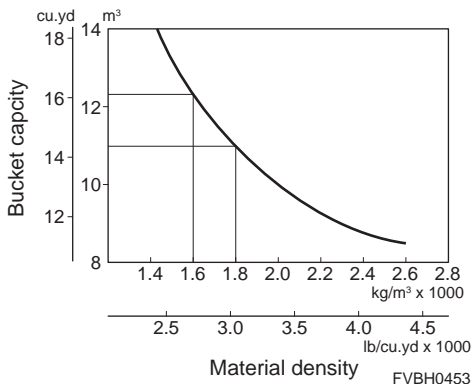
	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)
I Excavating bucket (straight edge) with teeth	8.0 (10.5)	7.0 (9.2)
II Stock pile bucket (spade nose) with teeth	8.7 (11.4)	7.6 (5.2)

WA800-3E0 (Japan source)



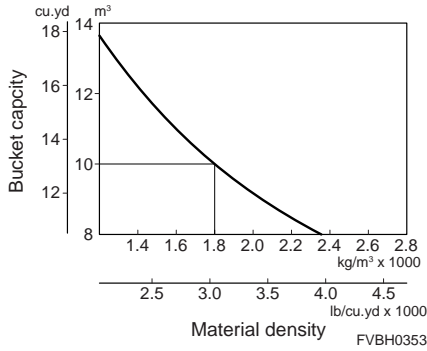
12.3 m ³ (16.1 cu.yd)	Stockpile Bucket (spade nose) with teeth
11.0 m ³ (14.4 cu.yd)	Excavating Bucket (spade nose) with teeth
10.0 m ³ (13.1 cu.yd)	Rock Bucket (spade nose) with teeth
14.0 m ³ (18.3 cu.yd)	Bucket for Load & Carry (spade nose) with teeth

WA800-3 (Japan source)



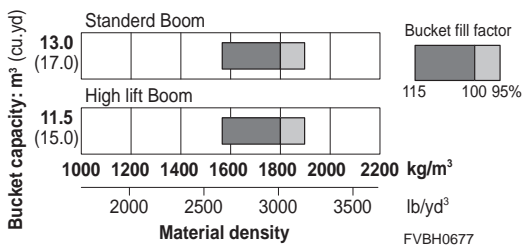
	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)
I Excavating bucket (spade nose) with tip teeth	11.0 (14.4)	9.3 (12.2)
II Stockpile (spade nose) with teeth	12.3 (16.1)	10.4 (13.6)

WA800-3 High-lift (Japan source)



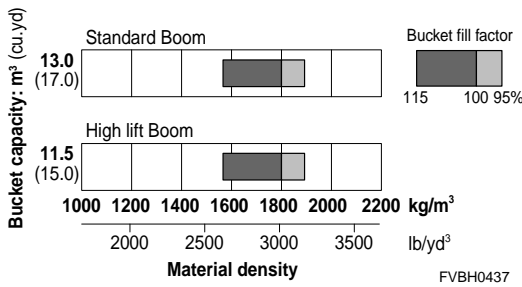
	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)
I Excavating bucket (straight edge) with teeth	10.0 (13.1)	8.5 (11.1)

WA900-8 (Japan source)



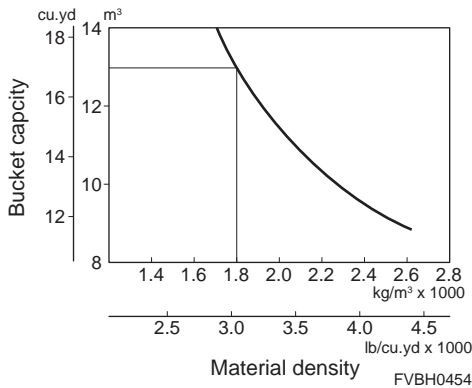
13.0 m ³ (17.0 cu.yd)	Excavating bucket (spade nose) with Teeth and Segments
11.5 m ³ (15.0 cu.yd)	Excavating bucket (spade nose) with Teeth and Segments

WA900-3E0 (Japan source)



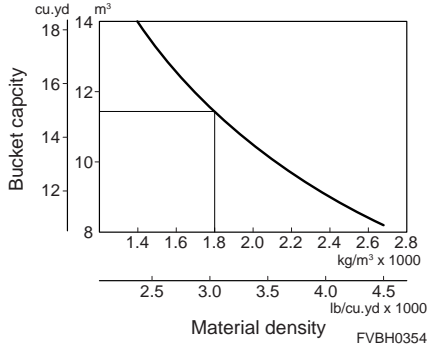
13.0 m ³ (17.0 cu.yd)	Excavating Bucket (spade nose) with teeth
11.5 m ³ (15.0 cu.yd)	Rock Bucket (spade nose) with teeth

WA900-3 (Japan source)



	Capacity Heaped m ³ (cu.yd)	Struck m ³ (cu.yd)
I Excavating bucket (spade nose) with tip teeth	13.0 (17.0)	11.0 (14.4)

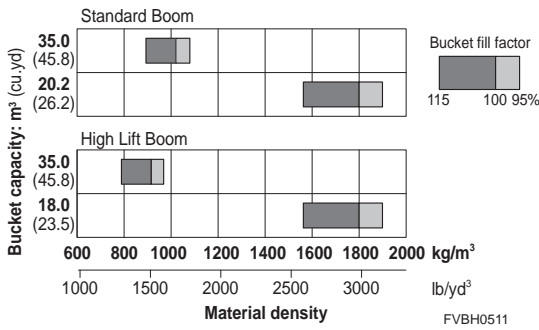
WA900-3 High-lift (Japan source)



I Excavating bucket (straight edge) with teeth

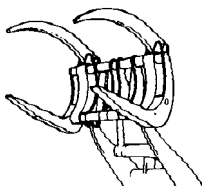
Capacity	Struck
Heaped m ³ (cu.yd)	
11.5 (15.0)	9.7 (12.7)

WA1200-6 (Japan source)



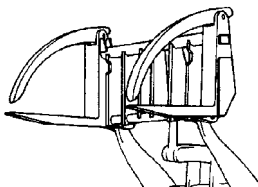
- 35.0 m³ (45.8 cu.yd) Coal Bucket (Spade nose without teeth)
- 20.2 m³ (26.2 cu.yd) Rock Bucket (Spade nose with teeth)
- 35.0 m³ (45.8 cu.yd) Coal Bucket (Spade nose without teeth)
- 18.0 m³ (23.5 cu.yd) Rock Bucket (Spade nose with teeth)

- Log grapple



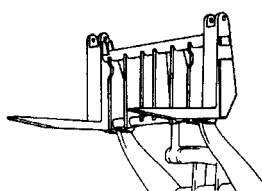
This is a special log attachment for use with logs ranging from small-diameter short logs to large-diameter long logs. Its shape enables it to grip the log well with little rolling shock, and it is designed so that the center of gravity of the log is close to the machine body. This enables the machine to maintain its stability when loading and hauling.

- Log-lumber grapple



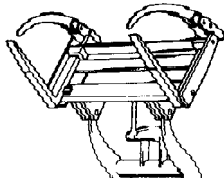
The log-lumber grapple is an all-round tool for log and lumber handling capable of dealing with lumber, long logs of large diameter or short logs of small diameter as well as lumber. However, forks of log-lumber grapple are fixed for strength so it is not suitable for use in forklift operations.

- Log-lumber fork



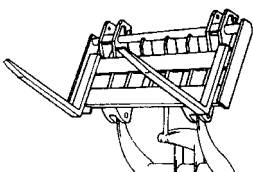
Log-lumber fork has the same features as log-lumber grapple. This attachment has no top clamps.

- Lumber grapple



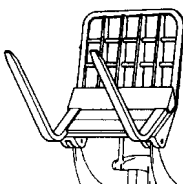
The "L" type forks of the lumber fork permit handling of lumber and logs of smaller diameter and shorter length. Clearance between left and right forks is adjustable according to the materials being handled.

- Lumber fork



Lumber fork has the same features as lumber grapple. This attachment has no top clamps.

- Dumping fork



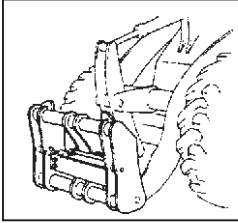
Useful for truck-loading pulpwood from stacks, and for gathering and loading pulpwood into stacks or onto trucks. Also usable in handling logs of smaller diameter and shorter length. A lighter, handy version of log handling attachments. It has no top clamp. It can load logs when tilted back to prevent them rolling over the fork.

- Multi-coupler

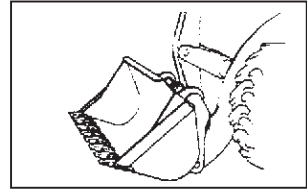
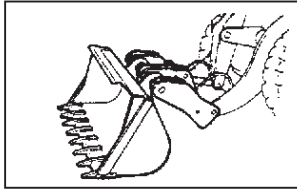
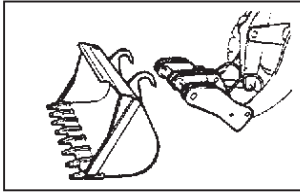
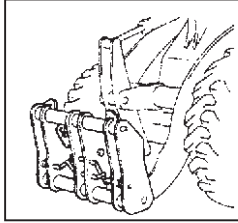
This is an attachment replacement device that makes it possible to speed up the replacement of attachments and reduce the burden on the operator.

It is possible to remove and install attachments to match the purpose of the work simply when sitting in the operator's seat, thereby greatly reducing time and labor.

Hydraulic type



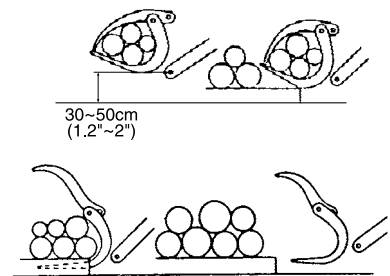
Mechanical type



A. Scooping

1. Forward the machine to insert forks under piled logs while watching fork tips.
2. Once logs are scooped by forks and tilted back fully, then close the arms.
3. Lift fork 30-50 cm above the ground to carry.

NOTE: Use both forks evenly to scoop and grapple the center of logs.



B. Loading work

1. Raise booms and forward the machine gradually to the destination while keeping the fork in a full backward tilt.
2. Open clamper arms and unload logs while slowly lowering forks.
After unloading logs, shift the fork control lever to the "tilt" position and the fork will return automatically to its preset position.
After closing the arms and reversing the machine, lower the booms.

NOTE: When dumping a full load of logs, lower engine revolutions to achieve gradual dumping.

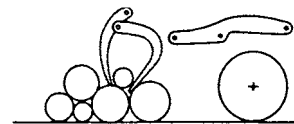
Avoid sudden braking or steering with a full load of logs.
When loading onto trucks, be careful forks and logs do not hit the sticks mounted on the truck's body sides.



C. Log selection work (for loaders with log clamps)

1. Pick-up selection
 - 1) Open the arms, lower the fork and grab selected logs with fork tips.
 - 2) Pick up logs by tilting back the fork or raising the booms.

NOTE: When picking up a log with fork tips, adjust the tips so they grab the log tightly. More than half of the log's diameter should be grabbed to prevent slippage. Release the arm control lever after arm cylinder is relieved. Logs larger than 40 cm in diameter should be lifted one at a time. Use both forks evenly when grabbing the center of the log.



2. Pull-out selection
 - 1) Open the arms and dump them at 10°-15°, and grab the end of the selected log lengthwise using the fork tips.
 - 2) Reversing the machine to pull out selected log without steering.



NOTE: Do not lift chosen log higher than required.
Hold the log securely and close arm, then carry it.

D. Other operations

1. To push logs, open the clamp arms and push them with the inside of the fork, forming right angles with the logs.

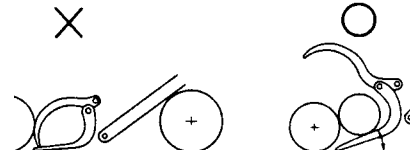
NOTE: The dumping angle should be within 20°.

Avoid pushing logs with the front of the closed clamp arms.

Wrong



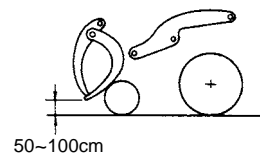
Good



2. To retract logs, lower fork and raise fork tips 50-100 cm above the ground, then reverse the machine and retract the logs.

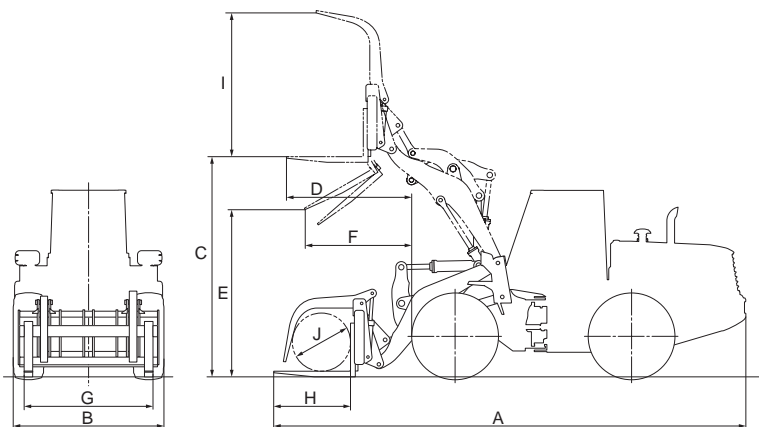
NOTE: Do not uproot tree roots with forks.

Dangerous operations, such as throwing grabbed logs for placement in the depth of loading site, should be conducted in open areas and only after the work site has been properly cleared. Do not conduct these operations where damage to the machine or other equipment is possible.



Lumber Grapple Specifications (Japan source)

WHEEL LOADERS



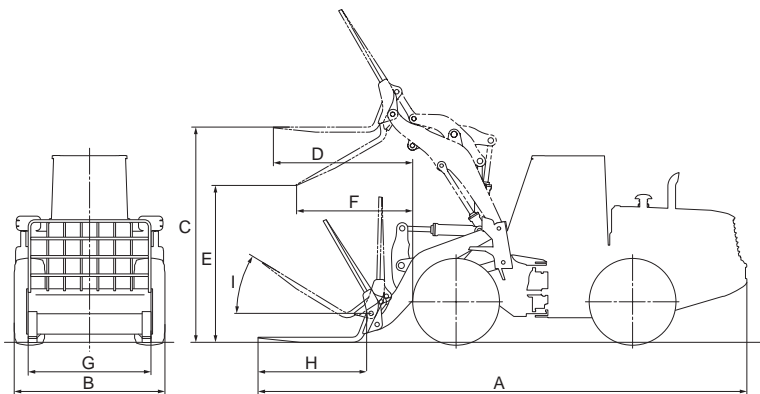
FVBH0673

Item	Model	WA250-5	WA320-5		
OPERATING WEIGHT	kg (lb)	11330 (24,980)	14270 (31,470)		
A. OVERALL LENGTH	mm (ft.in)	7625 (25'0")	8040 (26'5")		
B. OVERALL WIDTH	mm (ft.in)	2470 (8'1")	2585 (8'6")		
C. Max. tine height with tine level	mm (ft.in)	3645 (12'0")	3765 (12'4")		
D. Reach, max. tine height with tine level	mm (ft.in)	2085 (6'10")	2155 (7'1")		
E. Dumping clearance*	mm (ft.in)	2795 (9'2")	2860 (9'5")		
F. Dumping reach*	mm (ft.in)	1780 (5'10")	1840 (6'0")		
G. Overall tine width	mm (ft.in)	2045 (6'9")	2165 (7'1")		
H. Tine length	mm (ft.in)	1220 (4'0")	1320 (4'4")		
I. Max. clamp opening height	mm (ft.in)	2360 (7'9")	2470 (8'1")		
J. Top clamp min. closure diameter	mm (ft.in)	950 (3'1")	1000 (3'3")		
TIRE SIZE		20.5-25-12PR (L2)	20.5-25-16PR (L3)		
Add. counterweight	kg (lb)	300 (660)	520 (1,150)		

* At 30° discharge angle

Dumping Fork Specifications (Japan source)

WHEEL LOADERS



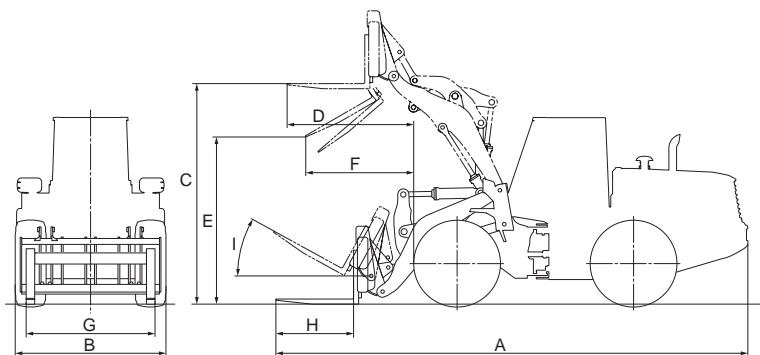
FVBH0671

Item	Model	WA320-5			
OPERATING WEIGHT	kg (lb)	13870 (30,580)			
A. OVERALL LENGTH	mm (ft.in)	8360 (27'5")			
B. OVERALL WIDTH	mm (ft.in)	2585 (8'6")			
C. Max. tine height with tine level	mm (ft.in)	3695 (12'2")			
D. Reach, max. tine height with tine level	mm (ft.in)	2405 (7'11")			
E. Dumping clearance*	mm (ft.in)	2670 (8'9")			
F. Dumping reach*	mm (ft.in)	2025 (6'8")			
G. Overall tine width	mm (ft.in)	2100 (6'11")			
H. Tine length	mm (ft.in)	1890 (6'2")			
I. Max. tilt-back angle	degree	31			
TIRE SIZE		20.5-25-16PR (L3)			
Add. counterweight	kg (lb)	520 (1,150)			

* At 30° discharge angle

Lumber Fork Specifications (Japan source)

WHEEL LOADERS



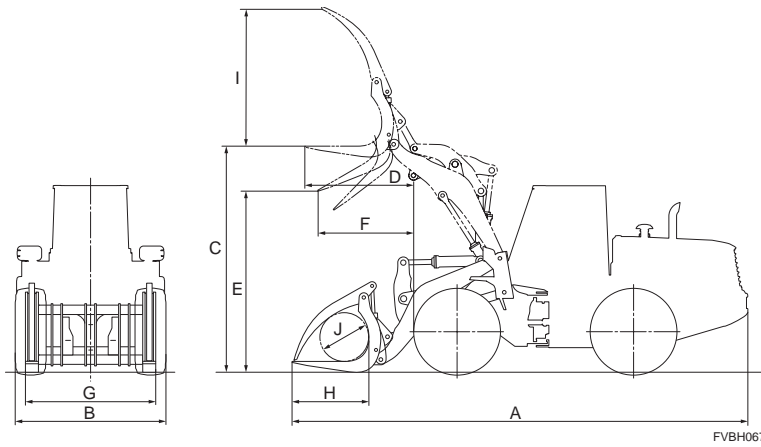
FVBH0672

Item	Model	WA250-5	WA320-5	WA380-5	
OPERATING WEIGHT	kg (lb)	11090 (24,450)	13910 (30,670)	16700 (36,820)	
A. OVERALL LENGTH	mm (ft.in)	7625 (25'0")	8040 (26'5")	8915 (29'3")	
B. OVERALL WIDTH	mm (ft.in)	2470 (8'1")	2585 (8'6")	2695 (8'10")	
C. Max. tine height with tine level	mm (ft.in)	3645 (12'0")	3765 (12'4")	3870 (12'8")	
D. Reach, max. tine height with tine level	mm (ft.in)	2085 (6'10")	2155 (7'1")	2345 (7'8")	
E. Dumping clearance*	mm (ft.in)	2795 (9'2")	2860 (9'5")	2915 (9'7")	
F. Dumping reach*	mm (ft.in)	1780 (5'10")	1840 (6'0")	2005 (6'7")	
G. Overall tine width	mm (ft.in)	2045 (6'9")	2165 (7'1")	2250 (7'5")	
H. Tine length	mm (ft.in)	1220 (4'0")	1320 (4'4")	1420 (4'10")	
I. Max. tilt-back angle	degree	26	27	28	
TIRE SIZE		20.5-25-12PR (L2)	20.5-25-16PR (L3)	20.5-25-20PR	
Add. counterweight	kg (lb)	300 (660)	520 (1,150)	708 (1,550)	

* At 30° discharge angle

Log Grapple Specifications (Japan source)

WHEEL LOADERS

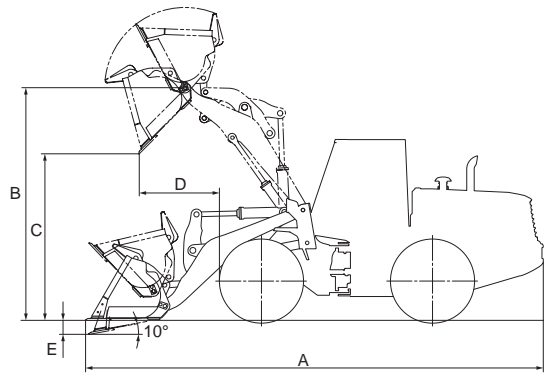


Item	Model	WA320-5	WA380-5
OPERATING WEIGHT	kg (lb)	13970 (30,800)	16790 (37,020)
A. OVERALL LENGTH	mm (ft.in)	7720 (25'4")	8627 (28'4")
B. OVERALL WIDTH	mm (ft.in)	2585 (8'6")	2695 (8'10")
C. Max. tine height with tine level	mm (ft.in)	3875 (12'9")	3985 (13'1")
D. Reach, max. tine height with tine level	mm (ft.in)	1855 (6'1")	2080 (6'10")
E. Dumping clearance*	mm (ft.in)	3095 (10'2")	3140 (10'4")
F. Dumping reach*	mm (ft.in)	1635 (5'4")	1835 (6')
G. Overall tine width	mm (ft.in)	2200 (7'3")	2300 (7'7")
H. Tine length	mm (ft.in)	1320 (4'4")	1420 (4'8")
I. Max. clamp opening height	mm (ft.in)	2280 (7'6")	2415 (7'11")
J. Top clamp min. closure diameter	mm (ft.in)	850 (2'9")	900 (2'11")
TIRE SIZE		20.5-25-16PR (L3)	20.5-25-20PR (L3)
Add. counterweight	kg (lb)	520 (1,150)	705 (1,550)

* At 30° discharge angle

High Lift Boom Specifications (Japan source)

WHEEL LOADERS



FVBH0670

Item		Model	WA150-6	WA150-5	WA200-6	WA200-5
OPERATING WEIGHT	kg (lb)		8125 (17,920)	7645 (16,850)	10250 (22,600)	10010 (22,070)
BUCKET CAPACITY	m ³ (cu.yd)		1.3 (1.7)	1.3 (1.7)	1.7 (2.2)	1.7 (2.2)
A. OVERALL LENGTH	mm (ft.in)		6805 (22'4")	6320 (20'9")	7465 (24'6")	7485 (24'7")
OVERALL WIDTH	mm (ft.in)		2390 (7'10")	2390 (7'10")	2550 (8'4")	2550 (8'4")
B. Hinge pin height, max. height	mm (ft.in)		4045 (13'3")	4025 (13'2")	4320 (14'2")	4225 (13'10")
C. Dumping clearance*	mm (ft.in)		3335 (10'11")	3310 (10'10")**	3410 (11'2")	3410 (11'2")**
D. Dumping reach*	mm (ft.in)		1005 (3'4")	1020 (3'4")**	1035 (3'5")	1040 (3'5")**
E. Digging depth	mm (ft.in)		260 (10.2")	285 (11.2")	435 (1'5")	435 (1'5")
TIRE SIZE			17.5-25-12PR	16.9-24-10PR	17.5-25-12PR	17.5-25-12PR
Add. counterweight	kg (lb)		200 (441)	200 (441)		300 (661)

* At 45° discharge angle

** At 44° discharge angle

Item		Model	WA250-6	WA250-5	WA320-6	WA320-5
OPERATING WEIGHT	kg (lb)		11875 (26,180)	11560 (25,490)	14440 (31,830)	14340 (31,610)
BUCKET CAPACITY	m ³ (cu.yd)		1.9 (2.5)	1.9 (2.5)	2.3 (3.0)	2.3 (3.0)
A. OVERALL LENGTH	mm (ft.in)		7495 (24'9")	7515 (24'8")	8005 (26'3")	7945 (26'1")
OVERALL WIDTH	mm (ft.in)		2685 (8'10")	2685 (8'10")	2740 (9'0")	2740 (9'0")
B. Hinge pin height, max. height	mm (ft.in)		4390 (14'5")	4390 (14'5")	4545 (14'11")	4545 (14'11")
C. Dumping clearance*	mm (ft.in)		3520 (11'6")	3520 (11'6")	3595 (11'10")	3595 (11'10")
D. Dumping reach*	mm (ft.in)		940 (3'1")	945 (3'1")	955 (3'2")	955 (3'2")
E. Digging depth	mm (ft.in)		250 (9.8")	250 (9.8")	315 (12.4")	315 (12.4")
TIRE SIZE			17.5-25-12PR	17.5-25-12PR	20.5-25-12PR	20.5-25-12PR
Add. counterweight	kg (lb)			300 (661)		520 (1,146)

* At 45° discharge angle

** At 44° discharge angle

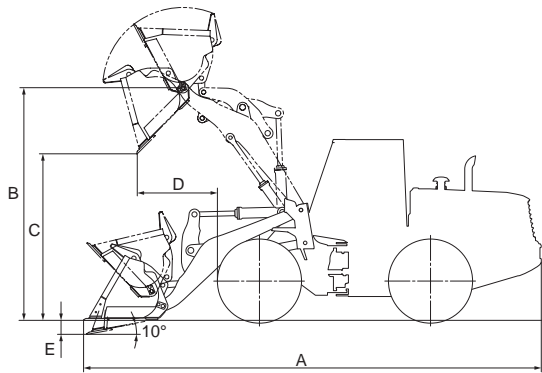
Item		Model	WA380-8	WA380-7	WA380-6	WA380Z-6
OPERATING WEIGHT	kg (lb)		19020 (41,930)	18650 (41,120)	18530 (40,850)	18320 (40,390)
BUCKET CAPACITY	m ³ (cu.yd)		2.9 (3.8)	2.9 (3.8)	2.9 (3.8)	2.9 (3.8)
A. OVERALL LENGTH	mm (ft.in)		8760 (28'9")	8780 (28'10")	8760 (28'9")	8760 (28'9")
OVERALL WIDTH	mm (ft.in)		2905 (9'6")	2905 (9'6")	2905 (9'6")	2905 (9'6")
B. Hinge pin height, max. height	mm (ft.in)		4625 (15'2")	4625 (15'2")	4625 (15'2")	4625 (15'2")
C. Dumping clearance*	mm (ft.in)		3575 (11'9")	3575 (11'9")	3575 (11'9")	3575 (11'9")
D. Dumping reach*	mm (ft.in)		1185 (3'11")	1185 (3'11")	1185 (3'11")	1185 (3'11")
E. Digging depth	mm (ft.in)		320 (1'1")	320 (1'1")	320 (1'1")	320 (1'1")
TIRE SIZE			23.5-25-16PR	23.5 R25	23.5 R25	23.5-25-16PR
Add. counterweight	kg (lb)		450 (990)	450 (990)	510 (1,120)	510 (1,120)

* At 45° discharge angle

** At 44° discharge angle

High Lift Boom Specifications (Japan source)

WHEEL LOADERS



FVBH0670

Item		Model	WA380-5	WA430-6	WA430-5	WA470-8
OPERATING WEIGHT		kg (lb)	18050 (39,790)	19385 (42,740)	19720 (43,470)	25210 (55,580)
BUCKET CAPACITY		m ³ (cu.yd)	2.9 (3.8)	3.3 (4.3)	3.8 (4.5)	3.8 (4.5)
A. OVERALL LENGTH		mm (ft.in)	8760 (28'9")	8880 (29'2")	8980 (29'6")	9430 (30'11")
OVERALL WIDTH		mm (ft.in)	2905 (9'6")	3050 (10'0")	3050 (10'0")	3170 (10'5")
B. Hinge pin height, max. height		mm (ft.in)	4625 (15'2")	4655 (15'3")	4730 (15'6")	4870 (16'0")
C. Dumping clearance*		mm (ft.in)	3575 (11'9")	3560 (11'8")	3635 (11'11")	3750 (12'4")
D. Dumping reach*		mm (ft.in)	1185 (3'11")	1250 (4'1")	1155 (3'9")	1330 (4'4")
E. Digging depth		mm (ft.in)	320 (1'1")	385 (1'3")	440 (1'5")	440 (1'5")
TIRE SIZE			23.5-25-16PR	23.5-25-16PR	23.5-25-16PR	26.5 R25
Add. counterweight		kg (lb)	700 (1,540)	870 (1,920)	775 (1,710)	560 (1,230)

* At 45° discharge angle

** At 44° discharge angle

Item		Model	WA470-7	WA470-6	WA470-6R	WA470-5
OPERATING WEIGHT		kg (lb)	24930 (54,960)	24750 (54,560)	24720 (54,500)	23770 (52,400)
BUCKET CAPACITY		m ³ (cu.yd)	3.8 (4.5)	3.8 (4.5)	3.8 (4.5)	3.8 (4.5)
A. OVERALL LENGTH		mm (ft.in)	9560 (31'4")	9395 (30'10")	9395 (30'10")	9515 (31'3")
OVERALL WIDTH		mm (ft.in)	3170 (10'5")	3170 (10'5")	3170 (10'5")	3170 (10'5")
B. Hinge pin height, max. height		mm (ft.in)	4870 (16'0")	4870 (16'0")	4870 (16'0")	4870 (16'0")
C. Dumping clearance*		mm (ft.in)	3750 (12'4")	3750 (12'4")	3750 (12'4")	3750 (12'4")
D. Dumping reach*		mm (ft.in)	1330 (4'4")	1330 (4'4")	1330 (4'4")	1355 (4'5")
E. Digging depth		mm (ft.in)	440 (1'5")	440 (1'5")	440 (1'5")	440 (1'5")
TIRE SIZE			26.5 R25	26.5-25-16PR	26.5-25-16PR	26.5-25-16PR
Add. counterweight		kg (lb)	655 (1,440)	1220 (2,690)	1220 (2,690)	1045 (2,300)

* At 45° discharge angle

** At 44° discharge angle

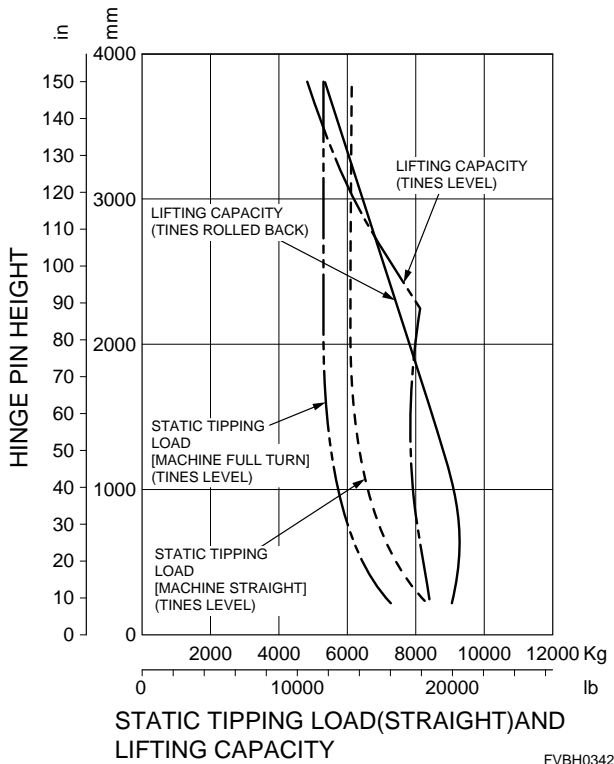
Item		Model	WA500-8	WA500-7	WA500-6	WA500-6R
OPERATING WEIGHT		kg (lb)	34880 (76,900)	36065 (79,510)	33570 (74,010)	33500 (73,850)
BUCKET CAPACITY		m ³ (cu.yd)	4.5 (5.9)	4.5 (5.9)	4.5 (5.9)	4.5 (5.9)
A. OVERALL LENGTH		mm (ft.in)	10130 (33'3")	10130 (33'3")	10130 (33'3")	10130 (33'3")
OVERALL WIDTH		mm (ft.in)	3190 (10'6")	3190 (10'6")	3190 (10'6")	3190 (10'6")
B. Hinge pin height, max. height		mm (ft.in)	5165 (16'11")	5165 (16'11")	5165 (16'11")	5165 (16'11")
C. Dumping clearance*		mm (ft.in)	3890 (12'9")	3890 (12'9")	3890 (12'9")	3890 (12'9")
D. Dumping reach*		mm (ft.in)	1435 (4'8")	1435 (4'8")	1435 (4'8")	1435 (4'8")
E. Digging depth		mm (ft.in)	470 (1'7")	470 (1'7")	470 (1'7")	470 (1'7")
TIRE SIZE			29.5-25-22PR	29.5-25-22PR	29.5-25-22PR	29.5-25-22PR
Add. counterweight		kg (lb)	900 (1,980)	900 (1,980)	900 (1,980)	900 (1,980)

* At 45° discharge angle

** At 44° discharge angle

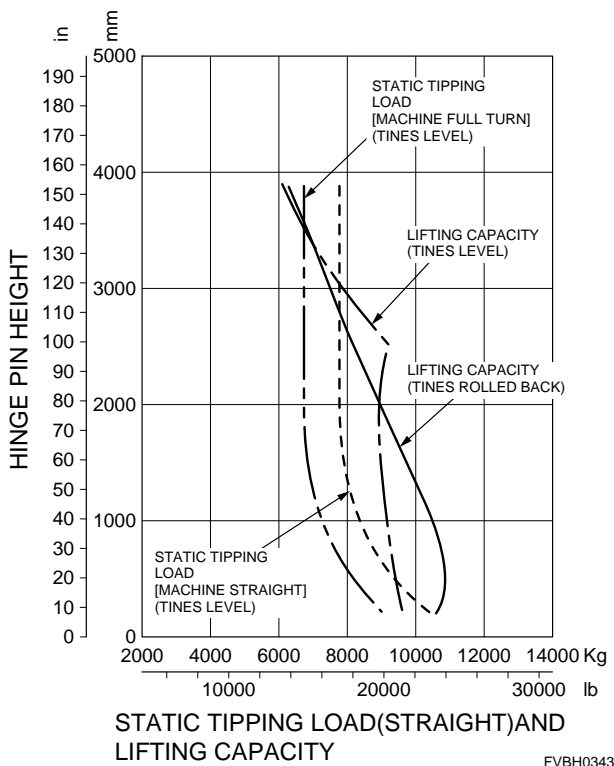
WA250-5

Curves based on machine equipped with 20.5-25-12PR (L2) TL and counterweight



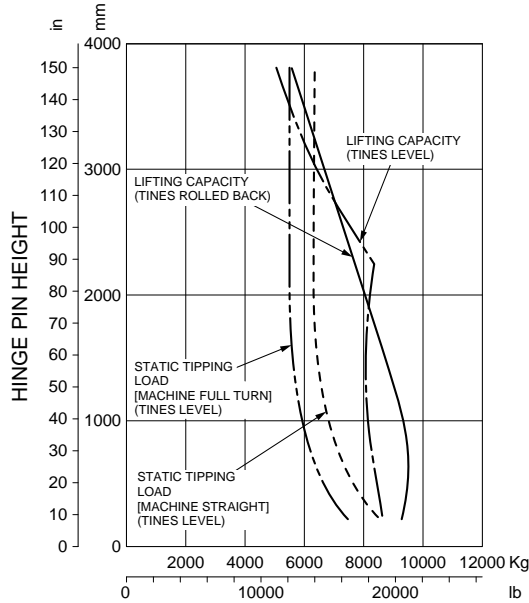
WA320-5

Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight



WA250-5

Curves based on machine equipped with 20.5-25-12PR (L2) TL and counterweight

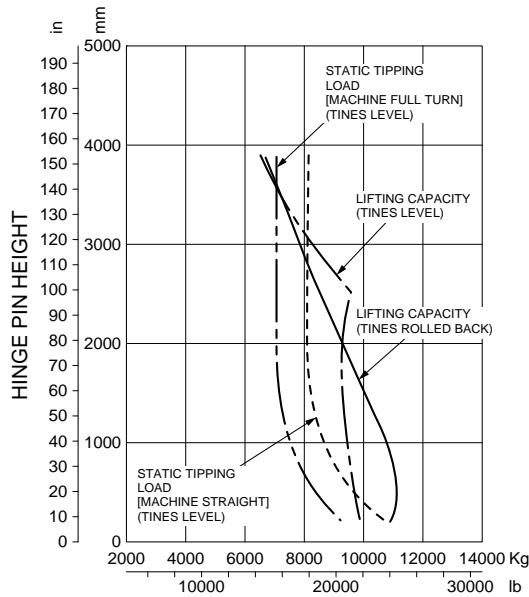


FVBH0345

**STATIC TIPPING LOAD (STRAIGHT) AND
LIFTING CAPACITY**

WA320-5

Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight

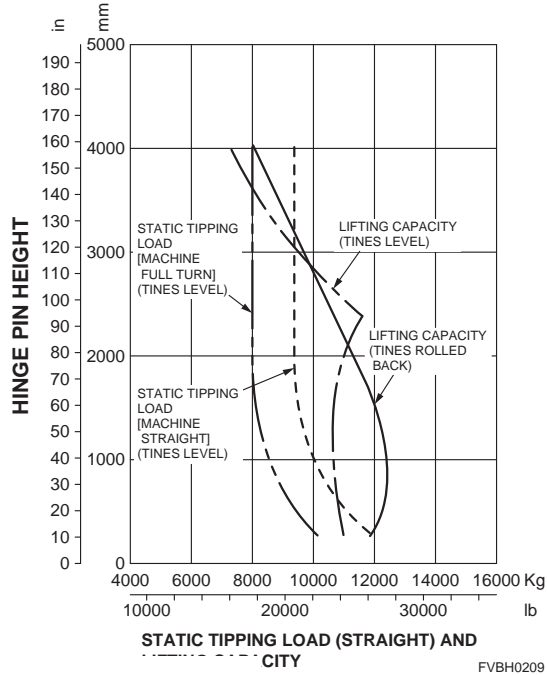


FVBH0346

**STATIC TIPPING LOAD (STRAIGHT) AND
LIFTING CAPACITY**

WA380-5

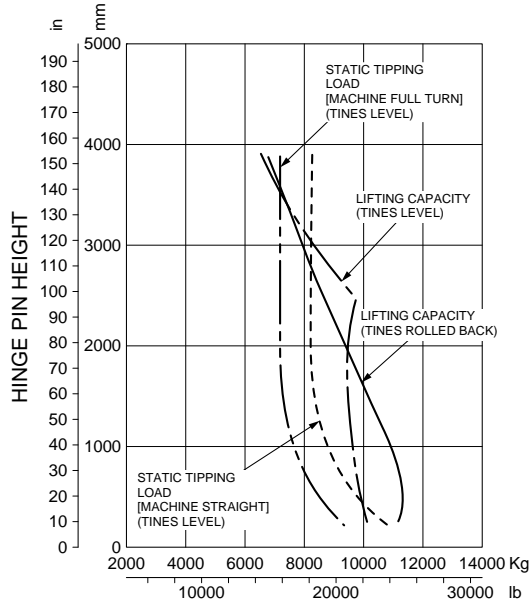
Curves based on machine equipped with 20.5-25-20PR (L3) TL and counterweight for logger



STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

WA320-5

Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight

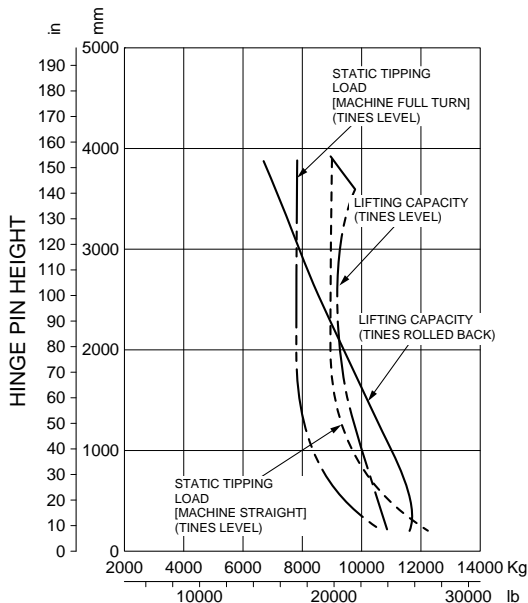


FVBH0348

STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

WA320-5

Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight

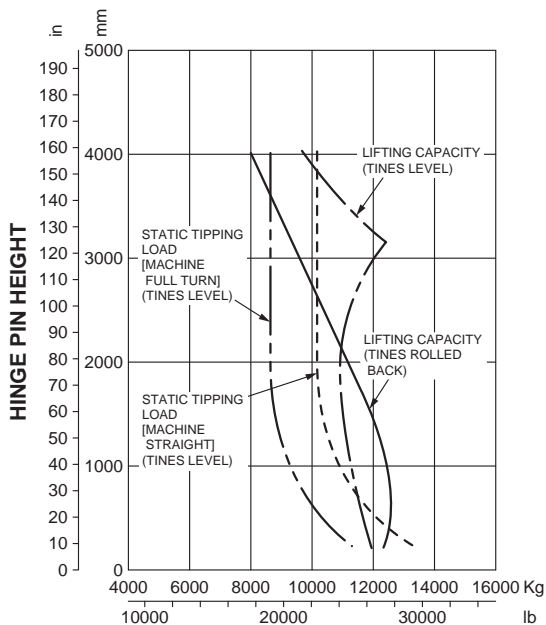


FVBH0349

STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

WA380-5

Curves based on machine equipped with 20.5-25-20PR (L3) TL and counterweight for logger



STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

Model (source)	WA50-6 (Japan)	WA70-7 (Germany)	WA80M-7 (Germany)	WA100M-8/7 (Germany)	WA150-6 (Japan)	WA150-5 (Japan)
Tires	●15.5/60-18-8PR (L-2 T/L)	●12.5-18	●405/70 R18	●455/70 R20	●16.9-24-10PR (L-2 T/L)	●16.9-24-10PR (L-2 T/L)
					15.5-25-8PR (L-2 T/L)	16.9-24-10PR (L-3 T/L)
					17.5-25-12R (L-2 T/L)	14.00-24-12R (L-2 T/L)
						15.5-25-8PR (L-2 T/L)
						15.5-25-8PR (L-3 T/L)
						17.5-25-12R (L-2 T/L)
						17.5-25-12R (L-3 T/L)
						15.5R25

Model (source)	WA200-8 (Japan)	WA200-8 (Germany)	WA200-7 (Japan)	WA200-7 (Germany)	WA200-6 (Japan)	WA200-6 (Brazil)
Tires	●20.5R25 (L-3)	●20.5R25	●20.5R25 (L-3)	●20.5R25	●17.5-25-12PR (L-2 T/L)	●17.5-25-12PR (L-2)
	17.5R25 (L-2)		17.5R25 (L-2)		17.5-25-12PR (L-3 T/L)	17.5-25-12PR (L-3)
	17.5-25-12PR (L-3)		17.5-25-12PR (L-3)		20.5-25-12PR (L-2 T/L)	20.5-25-12PR (L-2)
	20.5R25 (L-2)		20.5R25 (L-2)		20.5-25-12PR (L-3 T/L)	20.5-25-12PR (L-3)

Model (source)	WA200-5 (Japan)	WA200PZ-6 (Japan)	WA200PZ-6 (Germany)	WA250-6 (Japan)	WA250PZ-6 (Japan)	WA250PZ-6 (Germany)
Tires	●17.5-25-12PR (L-2 T/L)	●20.5-25-12PR (L-2 T/L)	●20.5R25 (L-2)	●17.5-25-16PR (L-2 T/L)	●20.5-25-12PR (L-2 T/L)	●20.5-25-12PR (L-2)
	17.5-25-12PR (L-3 T/L)	17.5-25-12PR (L-2 T/L)	20.5R25 (L-3)	17.5-25-16PR (L-3 T/L)	17.5-25-16PR (L-3 T/L)	17.5-25-16PR (L-3)
	20.5-25-12PR (L-2 T/L)	17.5-25-12PR (L-2 T/L)	20.5R25 (L-5)	20.5-25-12PR (L-2 T/L)	17.5-25-16PR (L-2 T/L)	17.5-25-16PR (L-2)
	20.5-25-12PR (L-3 T/L)		17.5R25 (L-2)	20.5-25-12PR (L-3 T/L)	20.5-25-12PR (L-3 T/L)	20.5-25-12PR (L-3)
			17.5R25 (L-3)			
			17.5R25 (L-5)			

Model (source)	WA250-5 (Japan)	WA270-8 (Japan, USA)	WA270-8 (Germany)	WA270-7 (Japan)	WA270-7 (Japan, USA)	WA270-7 (Germany)
Tires	●17.5-25-16PR (L-2 T/L)	●20.5R25 (L-3)	●20.5R25 (L-3)	●20.5R25 (L-3)	●20.5R25 (L-3)	●20.5R25 (L-3)
	17.5-25-16PR (L-3 T/L)	20.5-25-12PR (L-2)	17.5R25 (L-2)	20.5-25-12PR (L-2)	20.5-25-12PR (L-2)	20.5R25 (L-2)
	20.5-25-12PR (L-2 T/L)		20.5R25 (L-4)			20.5R25 (L-4)
	20.5-25-12PR (L-3 T/L)		20.5R25 (L-5)			20.5R25 (L-5)

● : Standard tire
T/L : Tubeless tire
W/T : Tubed tire

Model (source)	WA320-8 (Japan, USA)	WA320-8 (Japan, USA)	WA320-8 (Germany)	WA320-7 (Japan, USA)	WA320-7 (Germany)	WA320-6 (Japan)
Tires	●20.5R25 (L-3)	●20.5R25 (L-3)	●20.5R25 (L-3)	●20.5R25 (L-3)	●20.5R25 (L-3)	●20.5-25-12PR (L-3 T/L)
	20.5-25-12PR (L-2)	20.5-25-12PR (L-2)	20.5R25 (L-2)	20.5-25-12PR (L-2)	20.5R25 (L-2)	20.5-25-12PR (L-2 T/L)
			20.5R25 (L-4)		20.5R25 (L-4)	
			20.5R25 (L-5)		20.5R25 (L-5)	
			23.5R25 (L-3)		23.5R25 (L-3)	

Model (source)	WA320-6 (Brazil)	WA320-5 (Japan)	WA320PZ-6 (Japan)	WA380-8 (Japan, USA)	WA380-8 (Germany)	WA380-7 (Japan)
Tires	●20.5-25-12PR (L-3 T/L)	●20.5-25-12PR (L-3 T/L)	●20.5-25-12PR (L-2 T/L)	●23.5R25 (L-3)	●20.5R25 (L-3)	●23.5R25 (L-3)
	20.5-25-12PR (L-2 T/L)	20.5-25-12PR (L-2 T/L)	20.5-25-12PR (L-3 T/L)		20.5R25 (L-2)	
					20.5R25 (L-4)	
					20.5R25 (L-5)	
					23.5R25 (L-3)	

Model (source)	WA380-6 (Japan)	WA380-6 (China)	WA380-5 (Japan)	WA380Z-6 (Japan)	WA380Z-6 (China)	WA430-6 (Japan)
Tires	●20.5-25-16PR (L-3 T/L)	●23.5-25-16PR (L-3)	●20.5-25-16PR (L-3 T/L)	●23.5-25-16PR (L-3)	●23.5-25-16PR (L-3)	●23.5-25-16PR (L-3)
	23.5-25-16PR (L-3 T/L)	20.5-25-16PR (L-3)	23.5-25-16PR (L-3 T/L)	20.5-25-16PR (L-3)	20.5-25-16PR (L-3)	26.5-25-16PR (L-2T/L)
			23.5-25-16PR (L-4 T/L)			

Model (source)	WA430-5 (Japan)	WA470-8 (Japan)	WA470-7 (Japan)	WA470-6 (Japan)	WA470-6R (Japan)	WA470-6 (China)
Tires	●23.5-25-16PR (L-3)	●26.5R25 (L-3)	●26.5R25 (L-3)	●26.5-25-16PR (L-3 T/L)	●26.5-25-16PR (L-3)	●26.5-25-20PR (L-3)
	26.5-25-16PR (L-2T/L)			23.5-25-20PR (L-3 T/L)	23.5-25-20PR (L-3)	
				23.5-25-20PR (L-2 T/L)	23.5-25-20PR (L-2)	
				26.5-25-20PR (L-4 T/L)	26.5-25-16PR (L-3)	
					26.5-25-20PR (L-4)	

Model (source)	WA470-5 (Japan)	WA480-8 (Germany)	WA480-6 (Japan)	WA480-6R (Japan)	WA500-8 (Japan)	WA500-8 (USA)
Tires	●26.5-25-20PR (L-3 T/L)	●26.5R25	●26.5-25-20PR (L-3 T/L)	●26.5-25-20PR (L-3 T/L)	●29.5R25 (L-3)	●29.5-25-22PR (L-3)
	23.5-25-20PR (L-2 T/L)		26.5-25-20PR (L-4 T/L)	26.5-25-20PR (L-4 T/L)	29.5R25 (L-5)	
	26.5-25-16PR (L-3 T/L)					
	26.5-25-20PR (L-3 T/L)					
	26.5R25 (L-3)					

● : Standard tire
T/L : Tubeless tire
W/T : Tubed tire

Model (source)	WA500-8 (Germany)	WA500-7 (Japan)	WA500-6/6R (Japan)	WA500-6 (China)	WA500-3 (Japan)	WA600-8 (Japan)
Tires	●29.5R25 (L-3)	●29.5R25 (L-3)	●29.5-25-22PR (L-3 T/L)	●29.5R25 (L-3)	●26.5-25-20PR (L-3 T/L)	●35/65-33-36PR (L-4)
	29.5R25 (L-2)			29.5-25-22PR (L-3)	26.5-25-20PR (L-3 W/T)	35/65-33-36PR (L-5)
	29.5R25 (L-5)				26.5-25-20PR (L-3 W/T SB)	35/65-33-42PR (L-4)
					26.5-25-20PR (L-4 T/L)	35/65R33 (L-4)
					26.5-25-20PR (L-5 T/L)	35/65R33 (L-5)
					26.5-25-24PR (L-3 T/L)	
					29.5-25-22PR (L-3 T/L)	
					29.5-25-22PR (L-3 W/T)	
					29.5-25-22PR (L-4 T/L)	
					29.5-25-22PR (L-5 T/L)	
					29.5-25-28PR (L-4 T/L)	

Model (source)	WA600-6(Ja.) WA600-6R(Ja.)	WA600-6 (China)	WA600-3 (Japan)	WA700-3 (Japan)	WA800-3E0 (Japan)	WA800-3 (Japan)
Tires	●35/65-33-36PR (L-4 T/L)	●35/65-33-36PR (L-4)	●35/65-33-24PR (L-4 T/L)	●45/65-45-36PR (L-5 T/L)	●45/65-45-46PR (L-5 T/L)	●45/65-45-46PR (L-5 T/L)
	35/65-33-36PR (L-5 T/L)	35/65-33-36PR (L-5)	29.5-29-28PR (L-4 T/L)	41.25/70-39-34PR (L-5 T/L)	45/65-45-50PR (L-5 T/L)	45/65-45-50PR (L-5 T/L)
	35/65-33-42PR (L-4 T/L)	35/65-33-42PR (L-4)	35/65-33-24PR (L-5 T/L)		45/65R45 (L-5 T/L)	
	35/65R33 (L-4 T/L)	35/65R33 ☆ (L-4 T/L)	35/65-33-30PR (L-5 T/L)			
	35/65R33Áô (L-5 T/L)	35/65R33 ☆ (L-5 T/L)	35/65-33-30PR (L-4 T/L)			

Model (source)	WA900-8 (Japan)	WA900-3E0 (Japan)	WA900-3 (Japan)	WA1200-6 (Japan)		
Tires	●45/65R45 (L-5 T/L)	●45/65-45-58PR (L-5 T/L)	●45/65-45-58PR (L-5 T/L)	●60/80R57 (L-5)		
		45/65R45 (L-5 T/L)		58/85-57-84PR (L-5 T/L)		

● : Standard tire
T/L : Tubeless tire
W/T : Tubed tire

Wheel Loader and Dump Truck Combination

WHEEL LOADERS

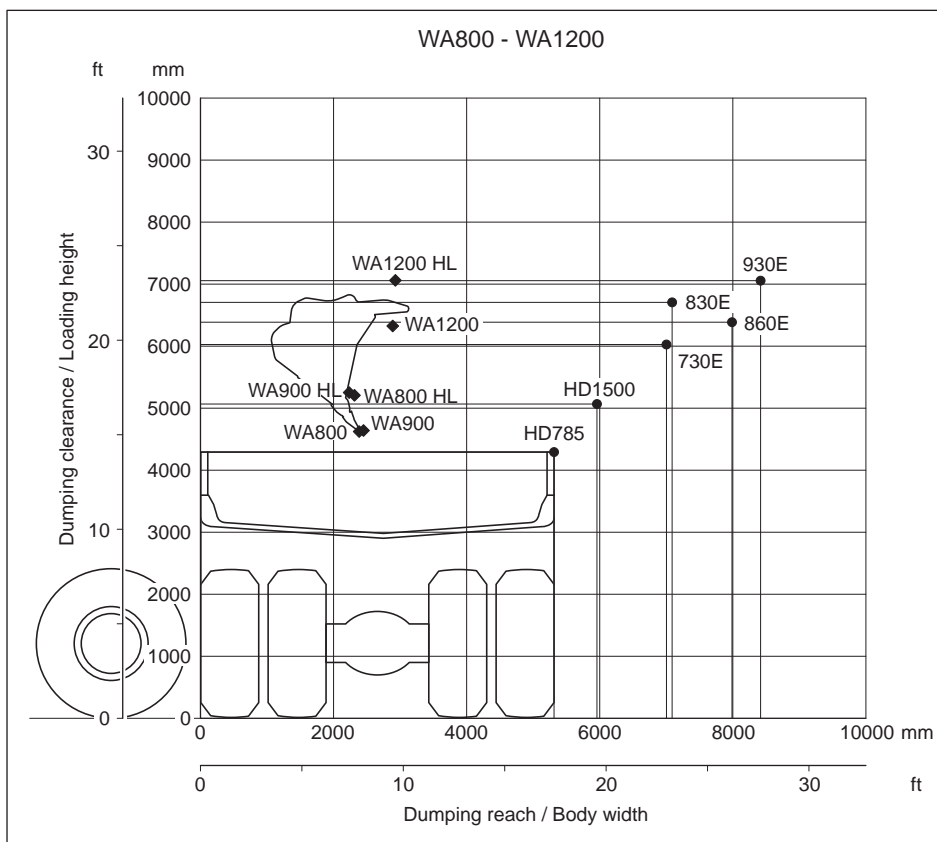
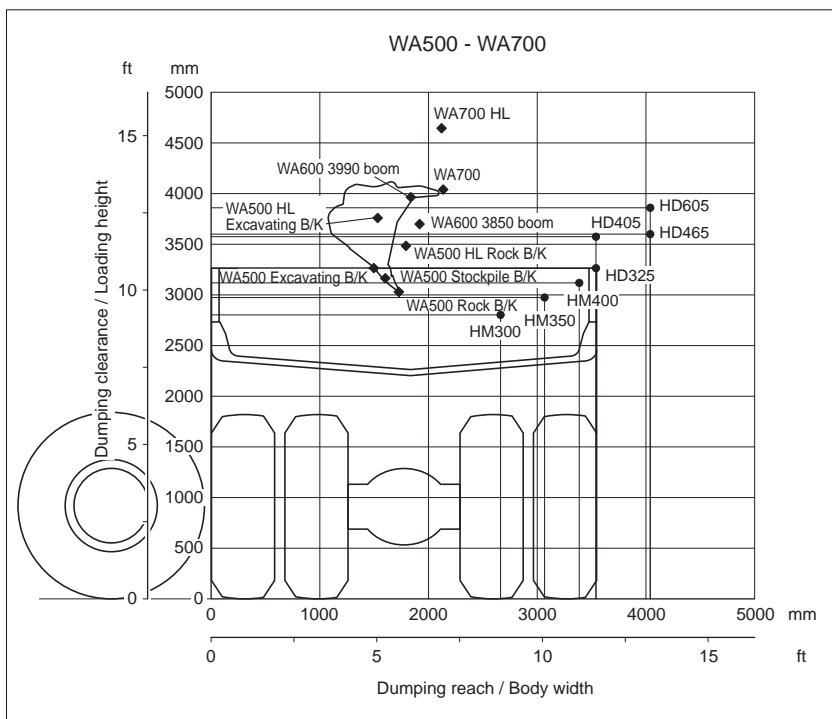


Chart shows dumping reach and dumping clearance of standard size buckets.

HL means high lift boom.

◆ : Indicates dumping reach and clearance at the end of teeth.

● : Indicates the top corner of body.

Wheel Loader and Dump Truck Combination

WHEEL LOADERS

Wheel loader					Dump truck (Loading height)*1							
Model	Dash	Heaped bucket capacity m ³ (cu.yd)	Bucket type	*1 Dumping clearance. At the end of teeth mm (ft.in)	HM300-5 (2830 mm) (9'3")	HM350-2 (2975 mm) (9'9")	HM400-5 (3164 mm) (10'5")	HD325-7 (3220 mm) (10'7") HD325-8 (3260 mm) (10'8")	HD405-7 (3450 mm) (11'4")	HD405-8 (3575 mm) (11'9")	HD465-7 (3600 mm) (11'10") HD465-8 (3600 mm) (11'10")	HD605-7 (3860 mm) (12'8") HD605-8 (3860 mm) (12'8")
					Payload m ton (U.S. ton)							
					28 (31)	32.3 (35.6)	40 (44)	36.5 (40)	40 (44)	40 (44)	55 (61)	63 (69)
17.1 m ³ (22.4 yd ³)	19.8 m ³ (25.9 yd ³)	24.0 m ³ (31.4 yd ³)	24 m ³ (31.4 yd ³)	27.3 m ³ (35.7 yd ³)	27.3 m ³ (35.7 yd ³)	34.2 m ³ (44.7 yd ³)	40 m ³ (52.3 yd ³)					
WA500	6/6R 7	5.3 (6.9)	Stockpile bucket straight edge with teeth	3165 (10'5")	3	4	4					
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")	3	4	5	4				
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")	3	4						
WA500	8	5.5 (7.2)	Stockpile bucket straight edge with teeth	3145 (10'4")	3	4						
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")	3	4	5	4				
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")	3	4						
WA500 High lift	6/6R	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'10")	4	4	5	5	5	5	7	
	7/8	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'4")	4	4	5	5	5	5	7	
		4.5 (5.9)	Rock bucket spade nose with teeth and SE	3485 (11'5")	4	4	5	5	5			
WA600 3850 boom	6/6R	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3730 (12'3")	2	3	3	3	3	3	5	
WA600 3990 boom	6/6R	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3995 (13'1")	3	3	4	3	4	4	5	6
WA600 3850 boom	8	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3700 (12'2")	2	3	3	3	3	3	5	
WA600 3990 boom	8	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3965 (13'0")	3	3	4	3	4	4	5	6
WA700	3	8.7 (11.4)	Excavating bucket spade nose with teeth	4040 (13'3")	2	2	3	3	3	3	4	4
WA700 High lift	3	8.0 (10.5)	Excavating bucket spade nose with teeth	4645 (15'3")	2	2	3	3	3	3	4	5
WA800	3E0	11.0 (14.4)	Excavating bucket spade nose with teeth	4630 (15'2")							3	3
WA800 High lift	3E0	10.0 (13.1)	Rock bucket spade nose with teeth	5210 (17'1")							3	4
WA900	3E0	13.0 (17.0)	Excavating bucket spade nose with teeth	4640 (15'3")							3	3
WA900 High lift	3E0	11.5 (15.0)	Excavating bucket spade nose with teeth	5255 (17'3")							3	3
WA1200	6	20.0 (26.2)	Rock bucket spade nose with teeth	6305 (20'8")								
WA1200 High lift	6	18.0 (23.5)	Rock bucket spade nose with teeth	7065 (23'2")								

*1 Dumping clearance and loading height varies depending on tires.
Note: Number of passes : 3 to 5 : Suitable, 2, 6 to 9 : Possible

Wheel Loader and Dump Truck Combination

WHEEL LOADERS

Wheel loader					Dump truck (Loading height) ^{*1}					
Model	Dash	Heaped bucket capacity m ³ (cu.yd)	Bucket type	*1 Dumping clearance. At the end of teeth mm (ft.in)	HD785-7 (4285 mm) (14'1")	HD1500-7 (4965 mm) (16'3") HD1500-8 (5070 mm) (16'8")	730E-8 (6030 mm) (19'8")	830E (6710 mm) (22'0")	860E (6390 mm) (21'0")	930E-4 (7060 mm) (23'2")
					Payload m ton (U.S. ton)					
					91 (100)	142 (156.5)	181 (200)	222 (255)	254 (280)	292 (320)
					60 m ³ (78.5 yd ³)	78 m ³ (102 yd ³)	111 m ³ (145 yd ³)	147 m ³ (193 yd ³)	169 m ³ (221 yd ³)	211 m ³ (276 yd ³)
WA500	6/6R 7	5.3 (6.9)	Stockpile bucket straight edge with teeth	3165 (10'5")						
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")						
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")						
WA500	8	5.5 (7.2)	Stockpile bucket straight edge with teeth	3145 (10'4")						
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")						
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")						
WA500 High lift	6/6R	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'10")						
	7/8	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'4")						
		4.5 (5.9)	Rock bucket spade nose with teeth and SE	3485 (11'5")						
WA600 3850 boom	6/6R	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3730 (12'3")						
WA600 3990 boom	6/6R	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3995 (13'1")	6					
WA600 3850 boom	8	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3700 (12'2")						
WA600 3990 boom	8	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3965 (13'0")						
WA700	3	8.7 (11.4)	Excavating bucket spade nose with teeth	4040 (13'3")						
WA700 High lift	3	8.0 (10.5)	Excavating bucket spade nose with teeth	4645 (15'3")	7					
WA800	3E0	11.0 (14.4)	Excavating bucket spade nose with teeth	4630 (15'2")	5					
WA800 High lift	3E0	10.0 (13.1)	Rock bucket spade nose with teeth	5210 (17'1")	5	8				
WA900	3E0	13.0 (17.0)	Excavating bucket spade nose with teeth	4640 (15'3")	4					
WA900 High lift	3E0	11.5 (15.0)	Excavating bucket spade nose with teeth	5255 (17'3")	5	7				
WA1200	6	20.0 (26.2)	Rock bucket spade nose with teeth	6305 (20'8")		4	5			
WA1200 High lift	6	18.0 (23.5)	Rock bucket spade nose with teeth	7065 (23'2")		5	6	7	8	9

*1 Dumping clearance and loading height varies depending on tires.
Note: Number of passes : 3 to 5 : Suitable, 2, 6 to 9 : Possible

Wheel Loader and Dump Truck Combination

WHEEL LOADERS

Above combination is determined by following method:

(1) Suitable number of (bucket) passes (n):

$$n = \frac{\text{Dump Truck Maximum Payload}}{\text{Bucket Capacity} \times \text{Bucket Fill factor} \times \text{Loose Density}}$$

or

$$n = \frac{\text{Dump Truck Capacity (heaped)}}{\text{Bucket Capacity} \times \text{Bucket Fill Factor}}$$

Number of (bucket) passes is calculated based on following condition.

1. Calculate number of passes from Dump Truck Maximum Payload.
Please see formula 1.
2. Calculate number of passes from Dump Body Capacity.
Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1

$$\text{Number of passes} = \frac{\text{Dump Truck Maximum Payload}}{\text{Bucket Capacity} \times \text{Bucket Fill factor} \times \text{Loose Density}}$$

Formula 2

$$\text{Number of passes} = \frac{\text{Dump Body Capacity}}{\text{Bucket Capacity} \times \text{Bucket Fill factor}}$$

Below is the basic assumptions:

Loose Density = 1.8 metric ton per cubic meter

Bucket Fill Factor = 1.0

Please refer to selection "14B FOR QUARRY" to view "Wheel Loader and Dump Truck Combination" table counted with Bucket Fill Factor of 0.9.

(2) Dumping clearance (DC)

Dumping Clearance should be greater than Dump Body Height (H) ($DC \geq H$).

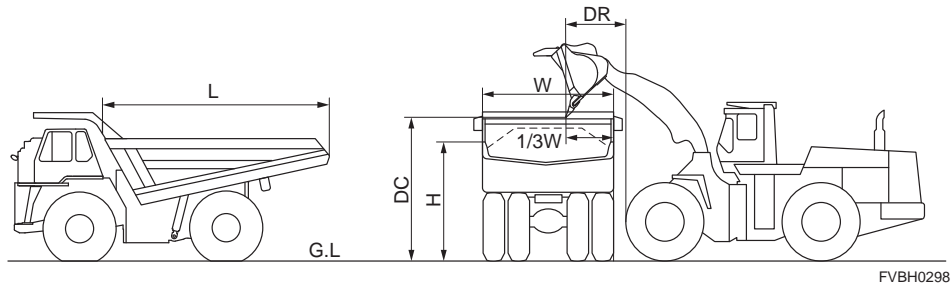
However, when loading with less Dumping Clearance, make sure that bucket hinge height is higher than Dump Body Height.

(3) Dumping reach (DR)

Dumping reach should be more than 1/3 of Dump Body Width (W) ($DR \geq W/3$): loading evenly on the Dump Body Front and Rear side is preferable.

(4) Dump body length (L)

Truck's dump body length (L) should be 1.3 to 1.7 times bucket width, ($1.3 \times \text{bucket width} \leq L \leq 1.7 \times \text{bucket width}$)



Wheel Loader and Dump Truck Combination

WHEEL LOADERS

Dumping clearance and dumping reach

WA500-6/6R (Stockpile bucket with teeth) 5.3 m ³ (6.9 yd ³)		Dimension	HM300-5	HM350-2	HM400-5
Dumping clearance (DC)	3165 (10'5")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")
Dumping reach (DR)	1600 (5'3")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")
Bucket width	3460 (11'4")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")

WA500-6/6R, WA500-7/8 (Excavating bucket with teeth and SE) 5.2 m ³ (6.8 yd ³)		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8
Dumping clearance (DC)	3265 (10'9")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")
Dumping reach (DR)	1495 (4'11")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")
Bucket width	3460 (11'4")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")

WA500-6/6R, WA500-7/8 (Rock bucket, spade nose with teeth and SE) 5.0 m ³ (6.5 yd ³)		Dimension	HM300-5	HM350-2
Dumping clearance (DC)	3030 (9'11")	Body height (H)	2830 (9'3")	2975 (9'9")
Dumping reach (DR)	1725 (5'8")	Body width (W)	2685 (8'10")	2935 (9'8")
Bucket width	3400 (11'2")	Body length (L)	5250 (17'3")	5495 (18'0")

WA500-8 (Stockpile bucket with teeth) 5.5 m ³ (7.2 yd ³)		Dimension	HM300-5	HM350-2	HM400-5
Dumping clearance (DC)	3145 (10'4")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")
Dumping reach (DR)	1625 (5'4")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")
Bucket width	3460 (11'4")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")

WA500-7/8 (Rock bucket with spade nose teeth and SE) 4.5 m ³ (5.9 yd ³) High lift boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	3485 (11'5")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	1790 (5'10")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	3400 (11'2")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")

WA500-6/6R, WA500-7/8 (Excavating bucket with teeth and SE) 4.5 m ³ (5.9 yd ³) High lift boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R	HD405-8	HD465-7E0 HD465-7R HD465-8
Dumping clearance (DC)	3760 (12'4")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")	3575 (11'9")	3600 (11'10")
Dumping reach (DR)	1530 (5'0")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")
Bucket width	3460 (11'4")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")	5640 (18'6")	6450 (21'2")

WA600-6/6R (Excavating bucket, spade nose with teeth and SE) 7.0 m ³ (9.2 yd ³) 3850 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R	HD405-8	HD465-7E0 HD465-7R HD465-8
Dumping clearance (DC)	3730 (12'3")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")	3575 (11'9")	3600 (11'10")
Dumping reach (DR)	1885 (6'2")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")
Bucket width	3685 (12'1")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")	5640 (18'6")	6450 (21'2")

Wheel Loader and Dump Truck Combination

WHEEL LOADERS

WA600-6/6R (Excavating bucket, spade nose with teeth and SE) 6.4 m ³ (8.4 yd ³) 3990 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R	HD405-8	HD465-7E0 HD465-7R HD465-8
Dumping clearance (DC)	3995 (13'1")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")	3575 (11'9")	3600 (11'10")
Dumping reach (DR)	1800 (5'11")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")
Bucket width	3685 (12'1")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")	5640 (18'6")	6450 (21'2")

WA600-6/6R (Excavating bucket, spade nose with teeth and SE) 6.4 m ³ (8.4 yd ³) 3990 mm boom		Dimension	HD605-7E0 HD605-7R	HD605-8
Dumping clearance (DC)	3995 (13'1")	Body height (H)	3860 (12'8")	3860 (12'8")
Dumping reach (DR)	1800 (5'11")	Body width (W)	3870 (12'8")	3870 (12'8")
Bucket width	3685 (12'1")	Body length (L)	6600 (21'8")	6450 (21'2")

WA600-8 (Excavating bucket, spade nose with teeth) 7.0 m ³ (9.2 yd ³) 3850 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R	HD405-8	HD465-7E0 HD465-7R HD465-8
Dumping clearance (DC)	3700 (12'2")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")	3575 (11'9")	3600 (11'10")
Dumping reach (DR)	1915 (6'3")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")
Bucket width	3805 (12'6")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")	5640 (18'6")	6450 (21'2")

WA600-8 (Excavating bucket, spade nose with teeth) 6.4 m ³ (8.4 yd ³) 3990 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R	HD405-8	HD465-7E0 HD465-7R HD465-8
Dumping clearance (DC)	3965 (13'0")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")	3575 (11'9")	3600 (11'10")
Dumping reach (DR)	1835 (6'0")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")
Bucket width	3805 (12'6")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")	5640 (18'6")	6450 (21'2")

WA600-8 (Excavating bucket, spade nose with teeth) 6.4 m ³ (8.4 yd ³) 3990 mm boom		Dimension	HD605-7E0 HD605-7R	HD605-8
Dumping clearance (DC)	3965 (13'0")	Body height (H)	3860 (12'8")	3860 (12'8")
Dumping reach (DR)	1835 (6'0")	Body width (W)	3870 (12'8")	3870 (12'8")
Bucket width	3805 (12'6")	Body length (L)	6600 (21'8")	6450 (21'2")

WA700-3 (Excavating bucket, spade nose with teeth) 8.7 m ³ (11.4 yd ³)		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R	HD405-8	HD465-7E0 HD465-7R HD465-8
Dumping clearance (DC)	4040 (13'3")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")	3575 (11'9")	3600 (11'10")
Dumping reach (DR)	2135 (7'0")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")
Bucket width	4330 (14'2")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")	5640 (18'6")	6450 (21'2")

WA700-3 (Excavating bucket, spade nose with teeth) 8.7 m ³ (11.4 yd ³)		Dimension	HD605-7E0 HD605-7R	HD605-8
Dumping clearance (DC)	4040 (13'3")	Body height (H)	3860 (12'8")	3860 (12'8")
Dumping reach (DR)	2135 (7'0")	Body width (W)	3870 (12'8")	3870 (12'8")
Bucket width	4330 (14'2")	Body length (L)	6600 (21'8")	6450 (21'2")

Wheel Loader and Dump Truck Combination

WHEEL LOADERS

WA700-3 (Excavating bucket, spade nose with teeth) 8.0 m ³ (10.5 yd ³) High lift boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R	HD405-8	HD465-7E0 HD465-7R HD465-8
Dumping clearance (DC)	4645 (15'3")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")	3575 (11'9")	3600 (11'10")
Dumping reach (DR)	2120 (6'11")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")
Bucket width	4330 (14'2")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")	5640 (18'6")	6450 (21'2")

WA700-3 (Excavating bucket, spade nose with teeth) 8.0 m ³ (10.5 yd ³) High lift boom		Dimension	HD605-7E0 HD605-7R	HD605-8	HD785-7
Dumping clearance (DC)	4645 (15'3")	Body height (H)	3860 (12'8")	3860 (12'8")	4285 (14'1")
Dumping reach (DR)	2120 (6'11")	Body width (W)	3870 (12'8")	3870 (12'8")	5200 (17'1")
Bucket width	4330 (14'2")	Body length (L)	6600 (21'8")	6450 (21'2")	7065 (23'2")

WA800-3/3E0 (Excavating bucket, spade nose with teeth) 11.0 m ³ (14.4 yd ³)		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7
Dumping clearance (DC)	4630 (15'2")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")
Dumping reach (DR)	2385 (7'10")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")

WA800-3/3E0 (Excavating bucket, spade nose with teeth) 10.0 m ³ (13.1 yd ³) High lift boom		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7	HD1500-7	HD1500-8
Dumping clearance (DC)	5210 (17'1")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")	4965 (16'3")	5070 (16'8")
Dumping reach (DR)	2315 (7'7")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")	5705 (18'9")	5800 (19'0")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")	7625 (25'0")	8150 (26'9")

WA900-3/3E0 (Excavating bucket, spade nose with teeth) 13.0 m ³ (17.0 yd ³)		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7
Dumping clearance (DC)	4640 (15'3")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")
Dumping reach (DR)	2450 (7'4")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")

WA900-3/3E0 (Excavating bucket, spade nose with teeth) 11.5 m ³ (15.0 yd ³) High lift boom		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7	HD1500-7	HD1500-8
Dumping clearance (DC)	5255 (17'3")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")	4965 (16'3")	5070 (16'8")
Dumping reach (DR)	2235 (8'0")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")	5705 (18'9")	5800 (19'0")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")	7625 (25'0")	8150 (26'9")

WA1200-6 (Rock bucket, spade nose with teeth) 20.0 m ³ (26.2 yd ³)		Dimension	HD1500-7	HD1500-8	730E-8
Dumping clearance (DC)	6305 (20'8")	Body height (H)	4965 (16'3")	5070 (16'8")	6030 (19'8")
Dumping reach (DR)	2890 (9'6")	Body width (W)	5705 (18'9")	5800 (19'0")	6870 (22'7")
Bucket width	6400 (21'0")	Body length (L)	7625 (25'0")	8150 (26'9")	8380 (27'6")

WA1200-6 (Rock bucket, spade nose with teeth) 18.0 m ³ (23.5 yd ³) High lift boom		Dimension	HD1500-7	HD1500-8	730E-8	830E	860E	930E-4
Dumping clearance (DC)	7065 (23'2")	Body height (H)	4965 (16'3")	5070 (16'8")	6030 (19'8")	6710 (22'0")	6390 (20'11")	7060 (23'2")
Dumping reach (DR)	2930 (9'7")	Body width (W)	5705 (18'9")	5800 (19'0")	6870 (22'7")	6860 (22'6")	4650 (25'1")	8150 (26'9")
Bucket width	6400 (21'0")	Body length (L)	7625 (25'0")	8150 (26'9")	8380 (27'6")	8870 (29'1")	9210 (30'3")	9450 (31'0")

SECTION **4B**

WHEEL DOZERS

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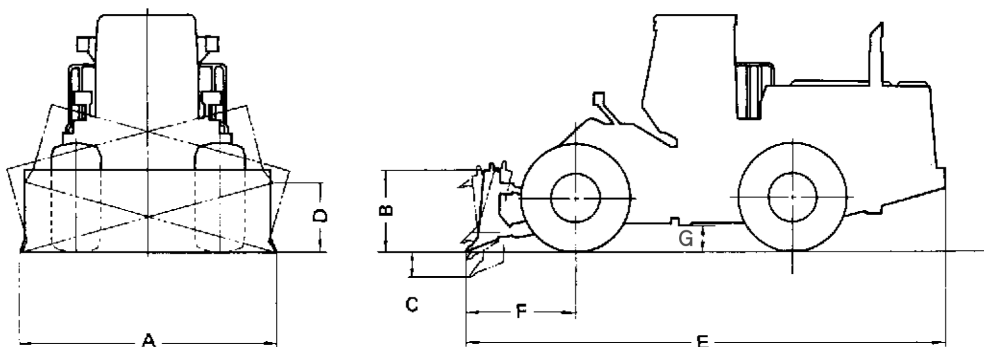
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Specifications

WHEEL DOZERS

Item	Model	WD600-6	WD600-6R	WD600-3	WD900-3
OPERATING WEIGHT	kg (lb)	48100 (106,040)	48090 (106,020)	42900 (94,580)	100000 (220,460)
HORSEPOWER SAE J1995 Gross ISO 9249 /SAE J1349 Net Hyd. Fan at max. speed Net	kW (HP)/rpm kW (HP)/rpm kW (HP)/rpm	396 (530)/1800 393 (527)/1800	396 (530)/1800 393 (527)/1800	362 (485)/2000	637 (853)/2000
BLADE CAPACITY	m ³ (cu.yd)	8.0 (10.5)	8.0 (10.5)	8.0 (10.5)	26.0 (34.0)
PERFORMANCE:					
Travel speed	km/h (MPH)				
Forward					
1st		6.7 (4.2)	6.7 (4.2)	6.5 (4.0)	7.0 (4.3)
2nd		11.7 (7.3)/12.4 (7.7)*	11.7 (7.3)/12.4 (7.7)*	11.8 (7.3)*	12.3 (7.6)
3rd		20.3 (12.6)/21.7 (13.5)*	20.3 (12.6)/21.7 (13.5)*	20.8 (12.9)*	28.0 (17.4)
4th		33.0 (20.5)/37.7 (23.4)*	33.0 (20.5)/37.7 (23.4)*	36.2 (22.5)*	—
Reverse					
1st		7.3 (4.5)	7.3 (4.5)	7.2 (4.5)	7.1 (4.4)
2nd		12.8 (8.0)	12.8 (8.0)	13.0 (8.1)	12.4 (7.7)
3rd		22.0 (13.7)	22.0 (13.7)	23.0 (14.3)	28.3 (17.6)
4th		36.0 (22.4)	36.0 (22.4)	40.0 (24.9)	—
Turning radius (Outside corner of blade)	mm (ft.in)	8610 (28'3")	8610 (28'3")	8500 (27'11")	9200 (30'2")
Max. rimpull	kN kg (lb)	429.5 43800 (96,580)	429.5 43800 (96,580)	420 42800 (94,360)	980.7 100000 (220,460)
DIMENSIONS:					
Overall length	mm (ft.in)	9930 (32'7")	9930 (32'7")	9285 (30'6")	12035 (39'6")
Overall width (without blade)	mm (ft.in)	3570 (11'9")	3570 (11'9")	3570 (11'9")	4460 (14'8")
Overall height	mm (ft.in)	4460 (14'8")	4460 (14'8")	4250 (13'11")	5215 (17'1")
Wheelbase	mm (ft.in)	4500 (14'9")	4500 (14'9")	4100 (13'5")	5450 (31')
Treads (front and rear)	mm (ft.in)	2650 (8'8")	2650 (8'8")	2650 (8'8")	3350 (11')
Articulation angle	degree	43	43	40	40
ENGINE:					
Model		KOMATSU SAA6D170E-5	KOMATSU SAA6D170E-5	KOMATSU SAA6D170E-3	KOMATSU SA12V140
No. of cylinders- bore × stroke	mm (ft.in)	6-170 x 170 (6.69 x 6.69)	6 - 170 x 170 (6.69 x 6.69)	6-170 x 170 (6.69 x 6.69)	12-140 × 165 (5.5 × 6.5)
Piston displacement		23.15 (1413)	23.15 (1413)	23.15 (1413)	30.5 (1861)
CAPACITY:					
Fuel tank	ltr. (U.S. Gal)	718 (189.7)	718 (189.7)	670 (177)	1430 (377.8)
TIRE:					
(front)		35/65-33-24PR (L-4)	35/65-33-24PR (L-4)	35/65-33-24PR	45/65-R45XLDD (L4)
(rear)		35/65-33-24PR (L-4)	35/65-33-24PR (L-4)	35/65-33-24PR	45/65-R45XLDD (L4)

* : Lock-up clutch is in ON.



	Model	WD600-6		WD600-6R
Blade type	—	Straight Blade	U-blade	Straight Blade
Blade capacity (SAE Rated)	m ³ (cu.yd)	8.0 (10.5)	10.6 (13.8)	8.0 (10.5)
A Blade width	mm (ft.in)	5100 (16'9")	4870 (16'0")	5100 (16'9")
B Max. lift above ground	mm (ft.in)	1500 (4'11")	1485 (4'10")	1500 (4'11")
C Max. drop below ground	mm (ft.in)	450 (1'6")	490 (1'7")	450 (1'6")
D Max. tilt adjustment	mm (ft.in)	1430 (4'8")	1340 (4'5")	1430 (4'8")
Max. pitch angle adjustment	degree	23°		23°
E Overall length	mm (ft.in)	9930 (32'7")		9930 (32'7")
F Front overhang	mm (ft.in)	2220 (7'3")		2220 (7'3")
G Ground clearance	mm (ft.in)	525 (1'9")	525 (1'9")	525 (1'9")
Turning radius	mm (ft.in)	8610 (28'3")		8610 (28'3")

	Model	WD600-3	WD900-3	
Blade type	—	Straight Blade	Semi-U blade	Coal blade
Blade capacity (SAE Rated)	m ³ (cu.yd)	8.0 (10.5)	26.0 (34.0)	45.0 (58.9)
A Blade width	mm (ft.in)	5100 (16'9")	6470 (21'3")	7400 (24'3")
B Max. lift above ground	mm (ft.in)	1500 (4'11")	1580 (5'2")	1560 (5'1")
C Max. drop below ground	mm (ft.in)	450 (1'7")	680 (2'3")	680 (3'3")
D Max. tilt adjustment	mm (ft.in)	1430 (4'8")	1330 (4'4")	1710 (5'7")
Max. pitch angle adjustment	degree	23°	8°	8°
E Overall length	mm (ft.in)	9285 (30'6")	12035 (39'6")	
F Front overhang	mm (ft.in)	2205 (7'3")	3385 (11'1")	
G Ground clearance	mm (ft.in)	495 (1'7")	480 (1'7")	
Turning radius	mm (ft.in)	8500 (27'11")		

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SECTION **5A**

**RIGID
DUMP TRUCKS**

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Ecology Features

EPA Tier 4 Final and EU Stage 4 emissions certified engine

NOTE: For details, see the page of engine features (Section 12)

ecot3 (EPA Tier 3, EU Stage 3A certified engine)

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.

With this "Komatsu Technology", and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.

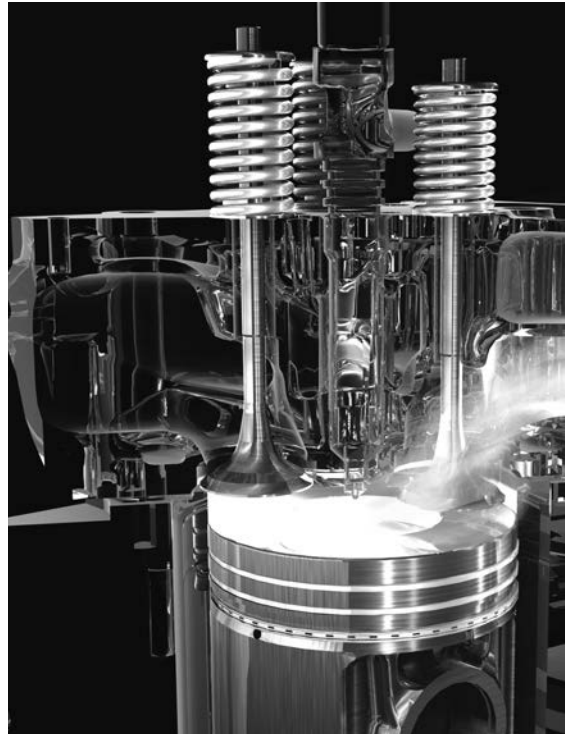
The result is a new generation of high performance and environment friendly machines.



Fuel efficient electronic controlled engine

The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection System (CRI) and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance.

To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.



■ **High productivity**

The result of total performance: High performance, minimum downtime, and easy operation

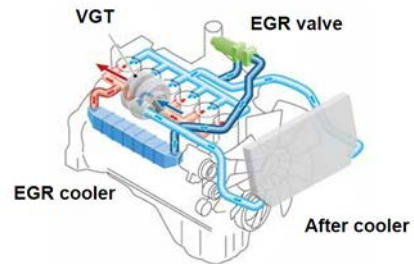
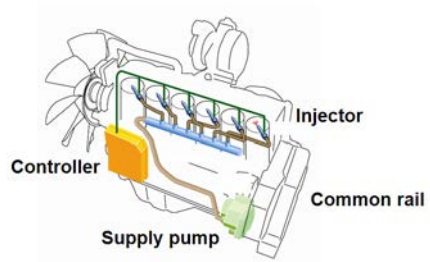
■ **Dependable and High-performance Components**

● **High Performance Komatsu Engine**

Komatsu diesel engine delivers high-output.

High Pressure Common Rail (HPCR) fuel injection system achieves near complete combustion to reduce PM emissions.

Heavy-duty cooled Exhaust Gas Recirculation (EGR) system achieves a dynamic reduction of NOx, while helping to reduce fuel consumption.



● **Komatsu Advanced Transmission with Optimum. Modulation Control System (K-ATOMiCS)**

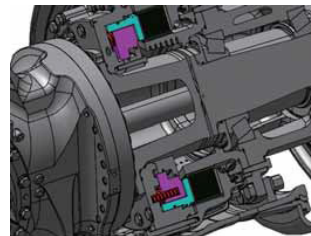
K-ATOMiCS, electronic shift control with automatic clutch modulation in all gears, optimizes the clutch engagement oil pressure at every gear position, which is further improved and provides smoother shifting without torque off.



● **Fully Hydraulic Controlled Wet Multiple-disc Brakes**

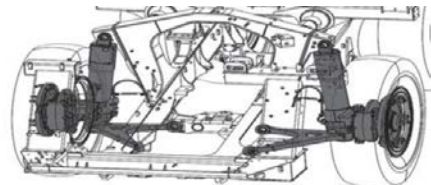
Wet multiple-disc brakes ensure highly reliable and stable brake performance.

The large-capacity continuously oil cooled multiple-disc brakes also function as a highly responsive retarder which gives the operator greater confidence at higher speeds when traveling downhill.



● **McPherson Strut Type Front Suspension**

McPherson strut type independent suspension is used on the front wheels. The linkage arrangement with low friction allows the front wheel to follow uneven road surface smoothly for a comfortable ride.



● **High-rigidity Frame**

Cast-steel components are used in critical areas of the main frame, where loads and shocks are most concentrated.



Note:

Not all features are available on all models at this time.

• **Robust Dump Body Design**

The standard dump body is made of high-tensile-strength steel, and side and bottom plates reinforced with lateral and longitudinal bolsters provide excellent rigidity and low maintenance cost.

V-shape design contribute to the stability due to lower center of gravity, and lower loading height. Larger corner radii reduces mud accumulation at the corner.



• **Machine Monitor Display**

The machine monitor displays various machine information and allows for various settings of the machine. 7-inch color LCD unit displays various machine information in the normal screen. And it also allows for various setting of the vehicle. By using the switch panel, the screen can be changed to the user menu screen. The switch panel is also used to control the air conditioner.



• **Centralized Greasing Points**

Greasing points are located to be accessible from ground level. Centralized greasing points at three locations makes daily maintenance easier.



• **Automatic Retard Speed Control (ARSC)**

ARSC allows the operator to easily set the downhill travel speed and go down slopes at a constant speed.

As a result, the operator can concentrate on steering.

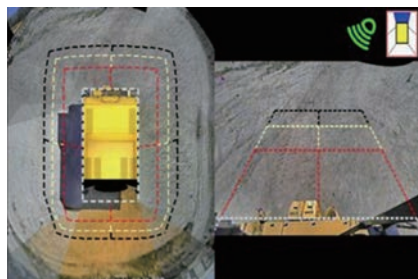
The speed can be set at an increment of 1 km/h by clicking the control lever (±5 km/h max.) to adjust the downhill speed appropriate to the slope grade.



• **KomVision**

6 cameras and 8 radars are installed on machine, and the operator can confirm the safety around the vehicle on KomVision monitor and additional rear view monitor.

This system assists the operator when taking off and driving at low speed such as in loading area, at fuel bay and near the maintenance shop.



Note:

Not all features are available on all models at this time.

Specifications

RIGID DUMP TRUCKS

Model		HD325-8	HD325-7	HD325-7R
Item				
Source		Japan	Japan	Japan
Emissions		T4F/S4	T3/S3A	
WEIGHT:		kg (lb)		
Empty vehicle weight*		34180 (75,350)	31600 (69,660)	31600 (69,660)
Distribution (front)		19310 (42,570)	16335 (36,010)	16335 (36,010)
(rear)		14870 (32,780)	15265 (33,650)	15265 (33,650)
Gross vehicle weight		70760 (156,000)	63680 (140,390)	63680 (140,390)
Distribution (front)		23850 (52,580)	21020 (46,340)	21020 (46,340)
(rear)		46910 (103,420)	42660 (94,050)	42660 (94,050)
Max. gross vehicle weight**		70760 (156,000)	69280 (152,740)	69280 (152,740)
Nominal gross vehicle weight		—	—	—
Gross horsepower (SAE J1995)	kW (HP)/RPM	386 (518)/2000	386 (518)/2000	386 (518)/2000
Net horsepower (ISO 9249/SAE J1349)	kW (HP)/RPM	383 (514)/2000	371 (498)/2000	371 (498)/2000
HAULING CAPACITY:				
Maximum payload	m. ton (U.S. ton)	36.5 (40)	36.5 (40)	36.5 (40)
Nominal payload***	m. ton (U.S. ton)	—	—	—
Heaped capacity (2:1)	m ³ (yd ³)	24.0 (31.4)	24.0 (31.4)	24.0 (31.4)
PERFORMANCE:				
Maximum speed	km/h (MPH)	68.0 (42.3)	70.0 (43.5)	70.0 (43.5)
Turning radius	m (ft.in)	7.2 (23'7")	7.2 (23'7")	7.2 (23'7")
ENGINE:		KOMATSU	KOMATSU	KOMATSU
Model		SAA6D140E-7	SAA6D140E-5	SAA6D140E-5
No. of cylinders-		6	6	6
bore × stroke	mm (in)	140 × 165 (5.5 × 6.5)	140 × 165 (5.51 × 6.50)	140 × 165 (5.51 × 6.50)
Displacement	ltr. (in ³)	15.24 (930)	15.24 (930)	15.24 (930)
DIMENSION:		See DIMENSIONS		
TIRES:				
Front tire		18.00 R33 × 2	18.00-33-32PR × 2	18.00-33-32PR × 2
Rear tire		18.00 R33 × 4	18.00-33-32PR × 4	18.00-33-32PR × 4
CAPACITY: Fuel tank		ltr. (U.S. Gal)	456 (120.5)	484 (127.9)

Model		HD405-8	HD405-7	HD405-7R
Item				
Source		Japan	Japan	Japan
Emissions		T4F/S4	T3/S3A	
WEIGHT:		kg (lb)		
Empty vehicle weight*		37335 (82,310)	34400 (75,840)	34400 (75,840)
Distribution (front)		20235 (44,510)	17440 (38,450)	17440 (38,450)
(rear)		17100 (37,700)	16960 (37,390)	16960 (37,390)
Gross vehicle weight		77415 (170,670)	74480 (164,200)	74480 (164,200)
Distribution (front)		25470 (56,150)	24430 (53,860)	24430 (53,860)
(rear)		51945 (114,520)	50050 (110,340)	50050 (110,340)
Max. gross vehicle weight**		77415 (170,670)	75080 (165,520)	75080 (165,520)
Nominal gross vehicle weight		—	—	—
Gross horsepower (SAE J1995)	kW (HP)/RPM	386 (518)/2000	386 (518)/2000	386 (518)/2000
Net horsepower (ISO 9249/SAE J1349)	HP	383 (514)/2000	371 (498)/2000	371 (498)/2000
HAULING CAPACITY:				
Maximum payload	m. ton (U.S. ton)	40.0 (44)	40.0 (44)	40.0 (44)
Nominal payload***	m. ton (U.S. ton)	—	—	—
Heaped capacity (2:1)	m ³ (yd ³)	27.3 (35.7)	27.3 (35.7)	27.3 (35.7)
PERFORMANCE:				
Maximum speed	km/h (MPH)	66.0 (41.0)	70.0 (43.5)	70.0 (43.5)
Turning radius	m (ft.in)	7.9 (25'11")	7.2 (23'7")	7.2 (23'7")
ENGINE:		KOMATSU	KOMATSU	KOMATSU
Model		SAA6D140E-7	SAA6D140E-5	SAA6D140E-5
No. of cylinders-		6	6	6
bore × stroke	mm (in)	140 × 165 (5.5 × 6.5)	140 × 165 (5.51 × 6.50)	140 × 165 (5.51 × 6.50)
Displacement	ltr. (in ³)	15.24 (930)	15.24 (930)	15.24 (930)
DIMENSION:		See DIMENSIONS		
TIRES:				
Front tire		21.00 R33 × 2	18.00 R33 × 2	18.00 R33 × 2
Rear tire		21.00 R33 × 4	18.00 R33 × 4	18.00 R33 × 4
CAPACITY: Fuel tank		ltr. (U.S. Gal)	456 (120.5)	484 (127.9)

* Weight includes lubricants, coolant, full fuel tank and standard body.

** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded.

*** The machine of nominal GVW is applied for 10-10-20. 10-10-20 means that in the case of nominal payload is set 100%, following rules are applied. (Only HD605-8 is applied for 10-5-10.)

- No less than 90% of all loads must be up to 110% (105%) of the truck's target payload.
- No more than 10% of all loads may be between 110% and 120% (between 105% and 110%) of the truck's target payload.
- Any single load must not exceed 120% (110%) of truck's target payload.

T2 : EPA Tier 2

T3/S3A : EPA Tier 3 and Stage 3A

T4/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

RIGID DUMP TRUCKS

Model		HD465-8	HD465-7E0	HD465-7R
Item				
Source		Japan	Japan, India, China	Japan, Indonesia
Emissions		T4F/S4	T3/S3A	
WEIGHT:		kg (lb)		
Empty vehicle weight*		48420 (106,750)	43100 (95,020)	43100 (95,020)
Distribution (front)		25430 (56,060)	20260 (44,670)	20260 (44,670)
(rear)		22990 (50,680)	22840 (50,350)	22840 (50,350)
Gross vehicle weight		103500 (228,180)	98180 (216,450)	98180 (216,450)
Distribution (front)		35500 (78,260)	31420 (69,270)	31420 (69,270)
(rear)		68000 (149,910)	66760 (147,180)	66760 (147,150)
Max. gross vehicle weight**		—	99680 (219,750)	99680 (219,750)
Nominal gross vehicle weight		103500 (228,170)	—	—
Gross horsepower (SAE J1995)		kW (HP)/RPM	578 (775)/2000	551 (739)/2000
Net horsepower (ISO 9249/SAE J1349)		kW (HP)/RPM	540 (724)/2000	533 (715)/2000
HAULING CAPACITY:				
Maximum payload		m. ton (U.S. ton)	55.0 (60.6)	55.0 (61)
Nominal payload***		m. ton (U.S. ton)	—	—
Heaped capacity (2:1)		m ³ (yd ³)	34.2 (44.7)	34.2 (44.7)
PERFORMANCE:				
Maximum speed		km/h (MPH)	70.0 (43.5)	70.0 (43.5)
Turning radius		m (ft.in)	8.7 (287")	8.5 (27'11")
ENGINE:				
Model		KOMATSU	KOMATSU	KOMATSU
No. of cylinders-		SAA6D170E-7	SAA6D170E-5	SAA6D170E-5
bore × stroke		6	6	6
		mm (in)	170 × 170	170 × 170
			(6.69 × 6.69)	(6.69 × 6.69)
Displacement		ltr. (in ³)	23.15 (1413)	23.15 (1413)
DIMENSION:		See DIMENSIONS		
TIRES:				
Front tire		24.00 R35 × 2	24.00-35-36PR × 2	24.00-35-36PR × 2
Rear tire		24.00 R35 × 4	24.00-35-36PR × 4	24.00-35-36PR × 2
CAPACITY: Fuel tank		ltr. (U.S. Gal)	800 (211.3)	780 (206.1)

Model		HD605-8	HD605-7E0	HD605-7R
Item				
Source		Japan	Japan	Japan
Emissions		T4F/S4	T3/S3A	
WEIGHT:		kg (lb)		
Empty vehicle weight*		51620 (113,800)	46200 (101,850)	46200 (101,850)
Distribution (front)		26030 (57,390)	21710 (47,860)	21710 (47,860)
(rear)		25590 (56,420)	24490 (53,990)	24490 (53,990)
Gross vehicle weight		114700 (252,870)	109280 (240,920)	109280 (240,920)
Distribution (front)		37620 (82,940)	34970 (77,090)	34970 (77,090)
(rear)		77080 (169,930)	74310 (163,820)	74310 (163,820)
Max. gross vehicle weight**		—	110180 (24,430)	110180 (24,430)
Nominal gross vehicle weight		114700 (252,870)	—	—
Gross horsepower (SAE J1995)		kW (HP)/RPM	578 (775)/2000	551 (739)/2000
Net horsepower (ISO 9249/SAE J1349)		HP	540 (724)/2000	533 (715)/2000
HAULING CAPACITY:				
Maximum payload		m. ton (U.S. ton)	63.0 (69.4)	63.0 (69.4)
Nominal payload***		m. ton (U.S. ton)	—	—
Heaped capacity (2:1)		m ³ (yd ³)	40.0 (52.3)	40.0 (52.3)
PERFORMANCE:				
Maximum speed		km/h (MPH)	70.0 (43.5)	70.0 (43.5)
Turning radius		m (ft.in)	8.7 (287")	8.5 (27'11")
ENGINE:				
Model		KOMATSU	KOMATSU	KOMATSU
No. of cylinders-		SAA6D170E-7	SAA6D170E-5	SAA6D170E-5
bore × stroke		6	6	6
		mm (in)	170 × 170	170 × 170
			(6.69 × 6.69)	(6.69 × 6.69)
Displacement		ltr. (in ³)	23.15 (1413)	23.15 (1413)
DIMENSION:		See DIMENSIONS		
TIRES:				
Front tire		24.00 R35 × 2	24.00 R35 × 2	24.00 R35 × 2
Rear tire		24.00 R35 × 4	24.00 R35 × 4	24.00 R35 × 4
CAPACITY: Fuel tank		ltr. (U.S. Gal)	800 (211.3)	780 (206.1)

* Weight includes lubricants, coolant, full fuel tank and standard body.

** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded.

*** The machine of nominal GW is applied for 10-10-20. 10-10-20 means that in the case of nominal payload is set 100%, following rules are applied. (Only HD605-8 is applied for 10-5-10.)

• No less than 90% of all loads must be up to 110% (105%) of the truck's target payload.

• No more than 10% of all loads may be between 110% and 120% (between 105% and 110%) of the truck's target payload.

• Any single load must not exceed 120% (110%) of truck's target payload.

T2 : EPA Tier 2

T3/S3A : EPA Tier 3 and Stage 3A

T4/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

RIGID DUMP TRUCKS

Item		Model	HD785-7	HD1500-8	HD1500-7
Source			Japan, India, Indonesia, Russia	Japan	Japan
Emissions				T2	
WEIGHT:		kg (lb)			
Empty vehicle weight*			72000 (158,730)	107600 (237,220)	105300 (232,140)
Distribution (front)			33840 (74,600)	55950 (123,350)	51175 (112,820)
(rear)			38160 (84,130)	51650 (113,870)	54125 (119,320)
Gross vehicle weight			163780 (361,070)	249575 (550,210)	249478 (550,000)
Distribution (front)			51505 (113,550)	80615 (177,720)	81829 (180,400)
(rear)			112275 (247,520)	168960 (372,490)	167649 (369,600)
Max. gross vehicle weight**			—	—	—
Nominal gross vehicle weight			163780 (361,070)	249575 (550,210)	249478 (550,000)
Gross horsepower (SAE J1995)	kW (HP)/RPM		895 (1200)/1900	1175 (1576)/1900	1109 (1487)/1900
Net horsepower (ISO 9249/SAE J1349)	kW (HP)/RPM		879 (1178)/1900	1103 (1479)/1900	1048 (1406)/1900
HAULING CAPACITY:					
Maximum payload	m. ton (U.S. ton)		—	—	—
Nominal payload***	m. ton (U.S. ton)		91.7 (101)	141.9 (156.5)	144.1 (158.9)
Heaped capacity (2:1)	m ³ (yd ³)		60.0 (78.5)	78.0 (102)	78.0 (102)
PERFORMANCE:					
Maximum speed	km/h (MPH)		65.0 (40.4)	56.5 (35.1)	58.0 (36.0)
Turning radius	m (ft.in)		10.1 (33'2")	11.2 (36'9")	12.2 (40'0")
ENGINE:			KOMATSU	KOMATSU	KOMATSU
Model			SAA12V140E-3	SDA16V159-3	SDA12V160
No. of cylinders-			12	16	12
bore × stroke	mm (in)		140 × 165 (5.51 × 6.50)	159 × 159 (6.26 × 6.26)	159 × 190 (6.26 × 7.48)
Displacement	ltr. (in ³)		30.48 (1860)	50.3 (3069)	45.0 (2746)
DIMENSION:			See DIMENSIONS		
TIRES:					
Front tire			27.00 R49 × 2	33.00 R51 × 2	33.00 R51 × 2
Rear tire			27.00 R49 × 4	33.00 R51 × 4	33.00 R51 × 4
CAPACITY: Fuel tank		ltr. (U.S. Gal)	1308 (345.6)	2120 (560)	2120 (560)

Item		Model	730E-8	830E-AC	860E-1K
Source			USA	USA	USA
Emissions			T4F/S4	T2	T2
WEIGHT:		kg (lb)			
Empty vehicle weight*			146963 (324,000)	164200 (362,000)	200351 (441,700)
Distribution (front)			73482 (162,000)	81279 (179,190)	98361 (216,850)
(rear)			73482 (162,000)	82921 (182,810)	101990 (224,850)
Gross vehicle weight			328401 (724,000)	385848 (850,640)	454363 (1,001,700)
Distribution (front)			110342 (243,264)	127330 (280,710)	152392 (335,871)
(rear)			218058 (480,736)	258518 (569,930)	301971 (665,829)
Max. gross vehicle weight**			—	—	—
Nominal gross vehicle weight			328401 (724,000)	385848 (850,640)	454363 (1,001,700)
Gross horsepower (SAE J1995)	kW (HP)/RPM		1492 (2000)/1900	1865 (2500)/1900	2014 (2700)/1900
Net horsepower (ISO 9249/SAE J1349)	HP		1405 (1884)/1900	1761 (2360)/1900	1902 (2550)/1900
HAULING CAPACITY:					
Maximum payload	m. ton (U.S. ton)		—	—	—
Nominal payload***	m. ton (U.S. ton)		181 (200)	221.6 (244)	254 (280)
Heaped capacity (2:1)	m ³ (yd ³)		111 (145)	147 (193)	169 (221)
PERFORMANCE:					
Maximum speed	km/h (MPH)		64.5 (40)	64.0 (40)	64.5 (40)
Turning radius	m (ft.in)		13.6 (44'6")	14.2 (46'5")	15.5 (50'10")
ENGINE:			KOMATSU	KOMATSU	KOMATSU
Model			SSDA16V159E-2	SDA16V160	SSDA16V160
No. of cylinders-			16	16	16
bore × stroke	mm (in)		159 × 159 (6.26 × 6.26)	159 × 190 (6.26 × 7.48)	159 × 190 (6.26 × 7.48)
Displacement	ltr. (in ³)		50.3 (3069)	60.2 (3673)	60.2 (3673)
DIMENSION:			See DIMENSIONS		
TIRES:					
Front tire			37.00 R57 × 2	40.00 R57 × 2	50/80 R57 × 2
Rear tire			37.00 R57 × 4	40.00 R57 × 4	50/80 R57 × 4
CAPACITY: Fuel tank		ltr. (U.S. Gal)	3146 (831)	4542 (1200)	4542 (1200)

* Weight includes lubricants, coolant, full fuel tank and standard body.

** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded.

*** The machine of nominal GVW is applied for 10-10-20. 10-10-20 means that in the case of nominal payload is set 100%, following rules are applied. (Only HD605-8 is applied for 10-5-10.)

- No less than 90% of all loads must be up to 110% (105%) of the truck's target payload.
- No more than 10% of all loads may be between 110% and 120% (between 105% and 110%) of the truck's target payload.
- Any single load must not exceed 120% (110%) of truck's target payload.

T2 : EPA Tier 2

T3/S3A : EPA Tier 3 and Stage 3A

T4/S3B : EPA Tier 4 Interim and EU Stage 3B

T4/F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

RIGID DUMP TRUCKS

Model		930E-4	930E-4SE	960E-2
Item				
Source		USA	USA	USA
Emissions		T2	T2	
WEIGHT:		kg (lb)		
Empty vehicle weight*		210187 (463,383)	215307 (474,670)	249475 (550,000)
Distribution (front)		99711 (219,826)	104459 (230,293)	123490 (272,250)
(rear)		110476 (243,557)	110847 (244,377)	125985 (272,750)
Gross vehicle weight		501974 (1,106,670)	505755 (1,115,000)	576072 (1,270,000)
Distribution (front)		165651 (365,201)	165956 (365,871)	190104 (419,100)
(rear)		336323 (741,469)	339649 (748,799)	385968 (850,900)
Max. gross vehicle weight**		—	—	—
Nominal gross vehicle weight		501974 (1,106,670)	505755 (1,115,000)	576072 (1,270,000)
Gross horsepower (SAE J1995)	kW (HP)/RPM	2014 (2700)/1900	2611 (3500)/1900	2610 (3500)/1900
Net horsepower (ISO 9249/SAE J1349)	kW (HP)/RPM	1902 (2550)/1900	2495 (3346)/1900	2495 (3346)/1900
HAULING CAPACITY:				
Maximum payload	m. ton (U.S. ton)	—	—	—
Nominal payload***	m. ton (U.S. ton)	291.8 (320)	290.4 (320)	327 (360)
Heaped capacity (2:1)	m ³ (yd ³)	211 (276)	211 (276)	214 (280)
PERFORMANCE:				
Maximum speed	km/h (MPH)	64.5 (40)	64.5 (40.0)	64.5 (40)
Turning radius	m (ft.in)	15.2 (48'9")	14.85 (48'9")	16 (52'6")
ENGINE:				
Model		KOMATSU SSDA16V160	KOMATSU SSDA18V170	KOMATSU SSDA18V170
No. of cylinders-		16	18	18
bore × stroke	mm (in)	159 × 190 (6.26 × 7.48)	170 × 190 (6.69 × 7.48)	170 × 190 (6.69 × 7.48)
Displacement	ltr. (in ³)	60.2 (3673)	70.0 (4271)	70.0 (7271)
DIMENSION:		See DIMENSIONS		
TIRES:				
Front tire		53/80 R63 × 2	53/80 R63 × 2	56/80 R63 × 2
Rear tire		53/80 R63 × 4	53/80 R63 × 4	56/80 R63 × 4
CAPACITY: Fuel tank		ltr. (U.S. Gal)	4542 (1200)	5300 (1,400)

Model		960E-2K	980E-4	
Item				
Source		USA	USA	
Emissions			T2	
WEIGHT:		kg (lb)		
Empty vehicle weight*		249475 (550,000)	255868 (564,090)	
Distribution (front)		123490 (272,250)	121537 (267,940)	
(rear)		125985 (272,750)	134331 (296,150)	
Gross vehicle weight		576072 (1,270,000)	625277 (1,378,500)	
Distribution (front)		190104 (419,100)	205732 (453,560)	
(rear)		385968 (850,900)	419545 (924,940)	
Max. gross vehicle weight**		—	—	
Nominal gross vehicle weight		576072 (1,270,000)	625277 (1,378,500)	
Gross horsepower (SAE J1995)	kW (HP)/RPM	2610 (3500)/1900	2610 (3500)/1900	
Net horsepower (ISO 9249/SAE J1349)	HP	2495 (3346)/1900	2495 (3346)/1900	
HAULING CAPACITY:				
Maximum payload	m. ton (U.S. ton)	—	—	
Nominal payload***	m. ton (U.S. ton)	327 (360)	369.4 (407.2)	
Heaped capacity (2:1)	m ³ (yd ³)	214 (280)	250 (327)	
PERFORMANCE:				
Maximum speed	km/h (MPH)	64.5 (40)	61 (38)	
Turning radius	m (ft.in)	16 (52'6")	16 (52'6")	
ENGINE:				
Model		KOMATSU SSDA18V170	KOMATSU SSDA18V170	
No. of cylinders-		18	18	
bore × stroke	mm (in)	170 × 190 (6.69 × 7.48)	170 × 190 (6.69 × 7.48)	
Displacement	ltr. (in ³)	70.0 (7271)	70.0 (7271)	
DIMENSION:		See DIMENSIONS		
TIRES:				
Front tire		56/80 R63 × 2	59/80 R63 × 2	
Rear tire		56/80 R63 × 4	59/80 R63 × 4	
CAPACITY: Fuel tank		ltr. (U.S. Gal)	5300 (1400)	5300 (1400)

* Weight includes lubricants, coolant, full fuel tank and standard body.

** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded.

*** The machine of nominal GVW is applied for 10-10-20. 10-10-20 means that in the case of nominal payload is set 100%, following rules are applied. (Only HD605-8 is applied for 10-5-10.)

- No less than 90% of all loads must be up to 110% (105%) of the truck's target payload.
- No more than 10% of all loads may be between 110% and 120% (between 105% and 110%) of the truck's target payload.
- Any single load must not exceed 120% (110%) of truck's target payload.

T2 : EPA Tier 2

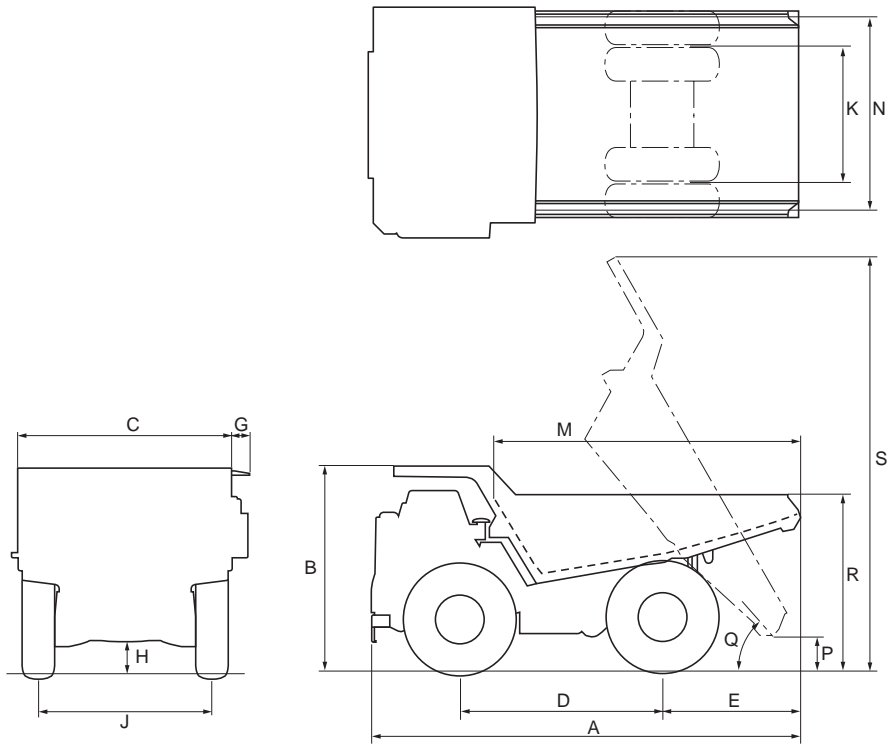
T3/S3A : EPA Tier 3 and Stage 3A

T4/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Dimensions

RIGID DUMP TRUCKS



FVBH0518

Unit: mm (ft.in)

	HD325-8	HD325-7 HD325-7R	HD405-8	HD405-7 HD405-7R	HD465-8	HD465-7E0 HD465-7R
Tires	18.00 R33	18.00-33-32PR	21.00 R33	18.00 R33	24.00 R35	24.00-35-36PR
A	9245 (30'4")	8465 (27'9")	9245 (30'4")	8465 (27'9")	10350 (33'11")	9355 (30'8")
B*	4185 (13'9")	4150 (13'7")	4255 (14'0")	4150 (13'7")	4400 (14'5")	4400 (14'5")
C	3660 (12'0")	3660 (12'0")	3660 (12'0")	3660 (12'0")	4170 (13'8")	4170 (13'8")
D	3750 (12'4")	3750 (12'4")	3750 (12'4")	3750 (12'4")	4300 (14'1")	4300 (14'1")
E	2730 (8'11")	2730 (8'11")	2730 (8'11")	2730 (8'11")	3070 (10'1")	3070 (10'1")
G	330 (1'1")	—	330 (1'1")	—	245 (9.6")	—
H	510 (18")	500 (18")	580 (1'11")	500 (18")	590 (1'11")	605 (2'0")
J	3150 (10'4")	3150 (10'4")	3230 (10'7")	3150 (10'4")	3535 (11'7")	3515 (11'6")
K	2550 (8'4")	2550 (8'4")	2765 (9'1")	2550 (8'4")	3080 (10'1")	3080 (10'1")
M	5515 (18'1")	5500 (18'1")	5640 (18'6")	5590 (18'4")	6450 (21'2")	6450 (21'2")
N	3380 (11'1")	3380 (11'1")	3380 (11'1")	3380 (11'1")	3870 (12'8")	3870 (12'8")
P	470 (1'7")	480 (1'7")	580 (1'11")	480 (1'7")	560 (1'10")	560 (1'6")
Q	48°	48°	48°	48°	48°	48°
R	3260 (10'8")	3220 (10'7")	3575 (11'9")	3450 (11'4")	3600 (11'10")	3600 (11'10")
S	8030 (26'4")	8000 (26'3")	8100 (26'7")	8000 (26'3")	8800 (28'10")	8800 (28'10")

* Includes canopy spill guard.

*** India source

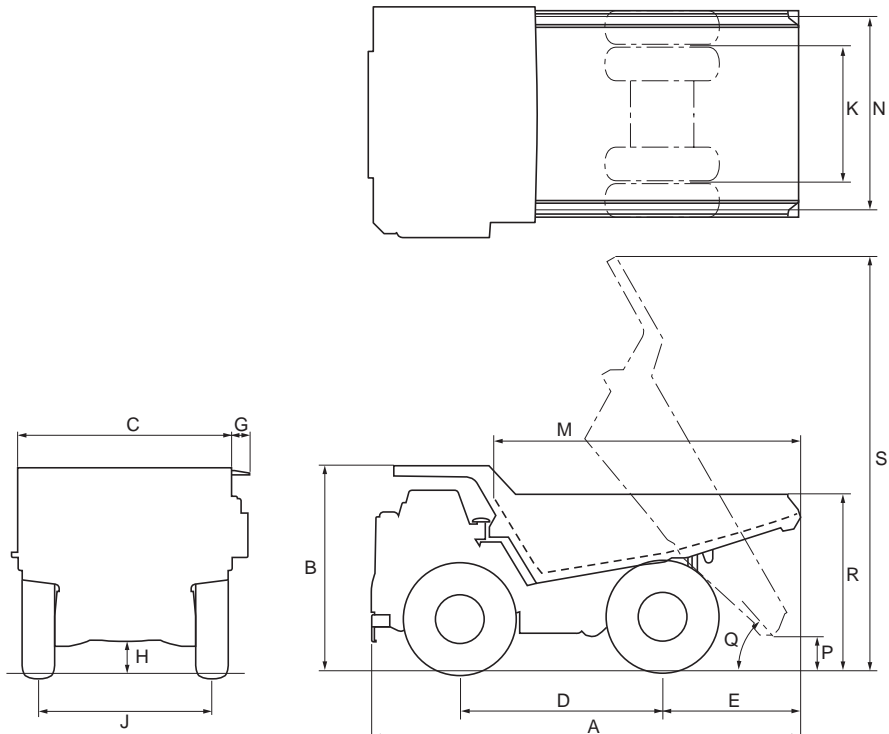
*4 China source

*5 Indonesia source

*6 Russia source

Dimensions

RIGID DUMP TRUCKS



FVBH0518

Unit: mm (ft.in)

	HD465-7E0*** HD465-7E0*4 HD465-7R*5	HD605-8	HD605-7E0 HD605-7R	HD785-7 HD785-7*** HD785-7*5 HD785-7*6	HD1500-8	HD1500-7
Tires	24.00-35-36PR	24.00 R35	24.00 R35	27.00 R49	33.00 R51	33.00 R51
A	9355 (30'8")	10350 (33'11")	9355 (30'8")	10290 (33'9")	12935 (42'5")	11370 (37'4")
B*	4400 (14'5")	4400 (14'5")	4400 (14'5")	5050 (16'7")	6180 (20'3")	5850 (19'2")
C	4170 (13'8")	4170 (13'8")	4170 (13'8")	5480 (18'0")	6120 (20'1")	6090 (20'0")
D	4300 (14'1")	4300 (14'1")	4300 (14'1")	4950 (16'3")	5395 (17'8")	5400 (17'9")
E	3070 (10'1")	3070 (10'1")	3070 (10'1")	3190 (10'6")	3765 (12'4")	3495 (11'6")
G	—	395 (1'4")	—	470 (1'7")	460 (1'6")	530 (1'9")
H	605 (2'0")	590 (1'11")	604 (2'0")	775 (2'7")	880 (2'11")	880 (2'11")
J	3515 (11'6")	3535 (11'7")	3515 (11'6")	4325 (14'2")	5020 (19'9")	5010 (16'5")
K	3080 (10'1")	3080 (10'1")	3080 (10'1")	3500 (11'6")	4285 (14'1")	4020 (13'2")
M	6450 (21'2")	6600 (21'8")	6600 (21'8")	7070 (23'2")	8150 (26'9")	7625 (25'0")
N	3870 (12'8")	3870 (12'8")	3870 (12'8")	5150 (16'11")	5800 (19'0")	5705 (18'9")
P	560 (1'10")	560 (1'10")	560 (1'6")	985 (3'3")	1125 (3'8")	1650 (5'5")
Q	48°	48°	48°	48°	45°	45°
R	3600 (11'10")	3860 (12'8")	3860 (12'8")	4295 (14'1")	5070 (16'8")	4965 (16'3")
S	8800 (28'10")	8800 (28'10")	8800 (28'10")	10080 (33'1")	11415 (37'5")	11440 (37'6")

* Includes canopy spill guard.

*** India source

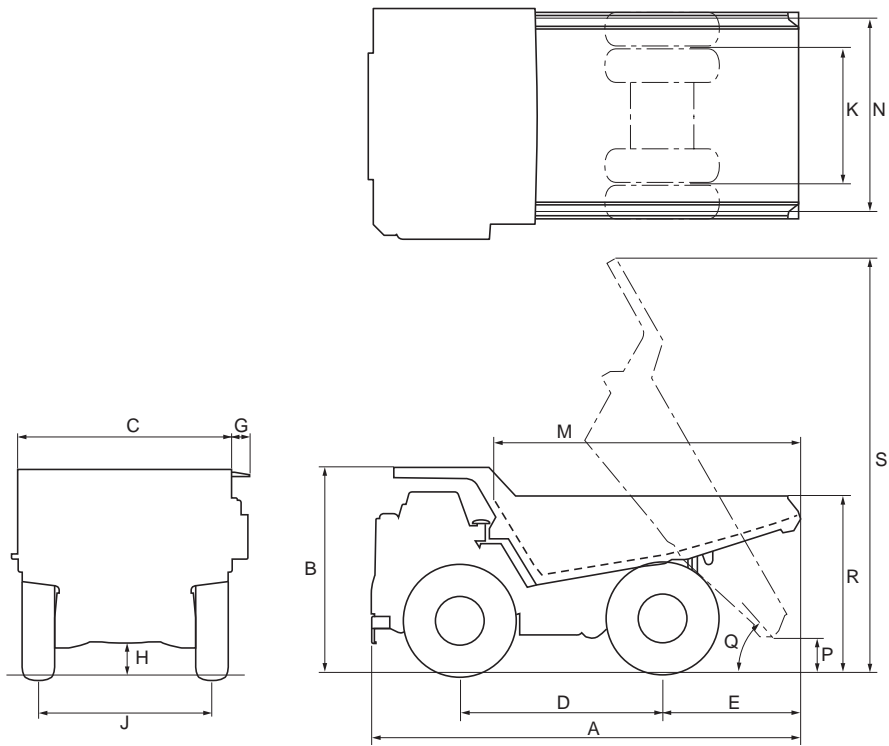
*4 China source

*5 Indonesia source

*6 Russia source

Dimensions

RIGID DUMP TRUCKS



FVBH0518

Unit: mm (ft.in)

	730E-8	830E-AC	860E-1K	930E-4	930E-4SE	960E-2
Tires	37.00 R57	40.00 R57	50/80 R57	53/80 R63	53/80 R63	56/80 R63
A	13700 (45'0")	14400 (47'3")	14930 (49'0")	15600 (51'2")	15600 (51'2")	15600 (51'2")
B*	6810 (22'4")	6880 (22'7")	7300 (23'11")	7370 (24'2")	7370 (24'2")	7370 (24'2")
C	7140 (23'5")	7320 (24'0")	8330 (27'4")	8690 (28'6")	8690 (28'6")	9190 (30'2")
D	5840 (19'2")	6350 (20'10")	6300 (20'8")	6350 (20'10")	6350 (20'10")	6650 (21'10")
E	3850 (12'6")	3990 (13'1")	4160 (13'8")	4780 (15'8")	4800 (15'9")	4470 (14'8")
G	—	—	—	—	—	—
H		1280 (4'2")	850 (2'9")	940 (3'1")	940 (3'1")	1020 (3'4")
J	5700 (18'8")	5770 (18'11")	6090 (20'0")	6150 (20'2")	6150 (20'2")	6300 (20'8")
K	4580 (15'0")	4880 (16'0")	5150 (16'11")	5360 (17'7")	5360 (17'7")	5640 (18'6")
M	8380 (27'6")	8870 (29'1")	9210 (30'3")	9450 (31'0")	9380 (30'9")	9500 (31'2")
N	6870 (22'7")	6860 (22'6")	7650 (25'1")	8150 (26'9")	8150 (26'9")	8660 (28'5")
P	1940 (6'4")	1840 (6'0")	1930 (6'4")	1550 (5'1")	1550 (5'1")	1700 (5'7")
Q	40.85°	45°	45°	45°	45°	45°
R	6030 (19'8")	6710 (22'0")	6390 (21'0")	7060 (23'2")	7060 (23'2")	7140 (23'5")
S	13100 (42'11")	13410 (44'0")	14040 (46'1")	14020 (46'0")	14020 (46'0")	14100 (46'3")

* Includes canopy spill guard.

*** India source

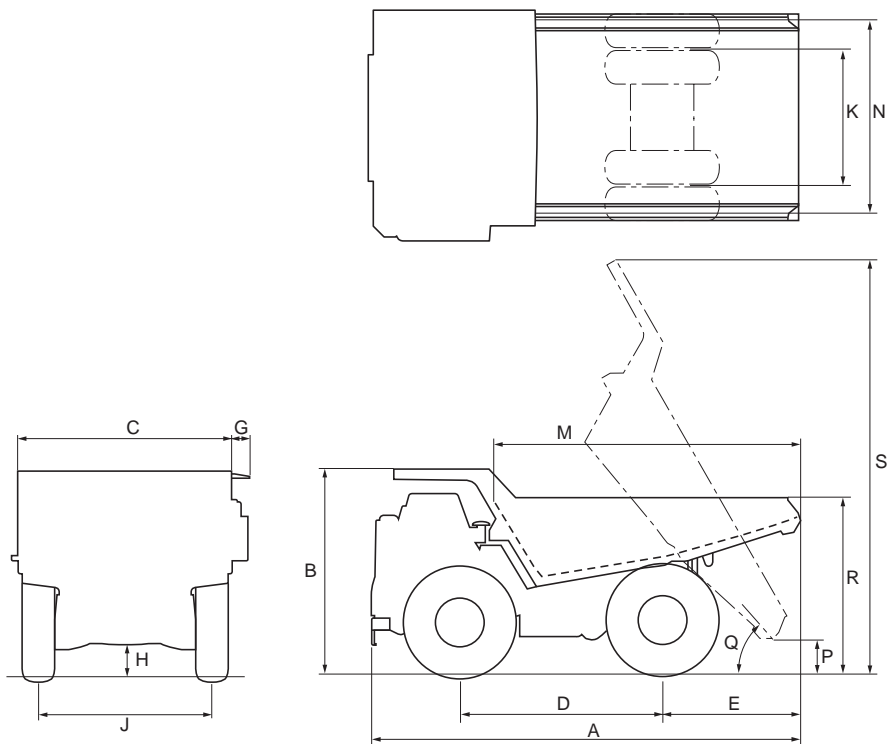
*4 China source

*5 Indonesia source

*6 Russia source

Dimensions

RIGID DUMP TRUCKS



FVBH0518

Unit: mm (ft.in)

	960E-2K	980E-4
Tires	56/80 R63	59/80 R63
A	15340 (50'4")	15720 (51'7")
B*	7670 (25'2")	8000 (26'3")
C	9190 (30'2")	10010 (32'10")
D	6630 (21'9")	6650 (21'10")
E	4240 (13'11")	4600 (15'1")
G	—	—
H	1020 (3'4")	1220 (4'0")
J	6290 (20'8")	6480 (21'3")
K	5640 (18'6")	5790 (19'0")
M	9290 (30'6")	10110 (33'2")
N	7260 (23'10")	9990 (32'9")
P	2080 (6'8")	2170 (7'1")
Q	45°	
R	7390 (24'3")	7090 (23'3")
S	15510 (51'1")	14520 (47'8")

* Includes canopy spill guard.

*** India source

*4 China source

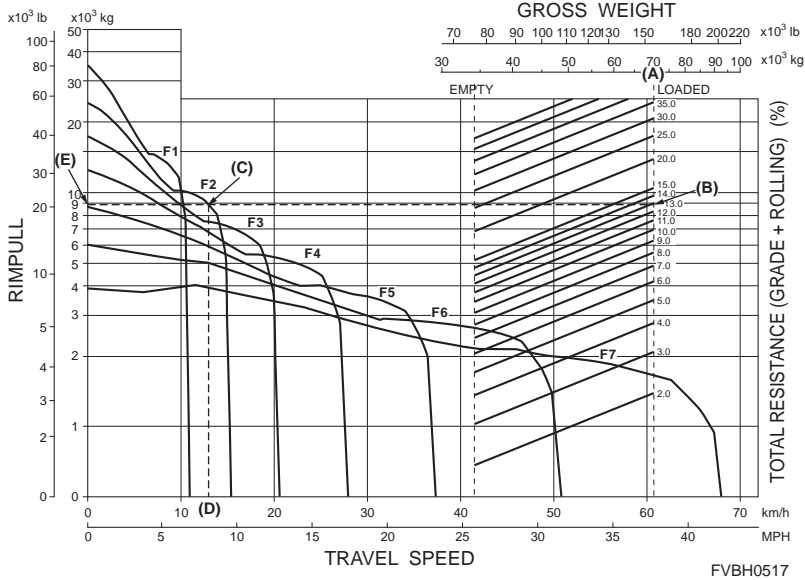
*5 Indonesia source

*6 Russia source

How to use the travel performance curve

For assessing a vehicle's grade-ability, travel speed, rim pull, etc. First, draw a vertical line according to the vehicle's weight (A) and mark the point (B) corresponding to total resistance (the sum of rolling resistance and grade resistance). Next, draw a horizontal line from (B), then mark (C) where the line intersects the rim pull curve and read (E) for the rim pull. For travel speed (D), draw a vertical line downward from (C).

For instance, when traveling an 8% gradient and encountering a 5% rolling resistance, a vehicle with a 32 ton (35-U.S. ton) payload should have a rim pull of 8 tons (17,640 lb) and travel at a speed of 15 km/h (9.3 MPH) in forward 2nd gear.



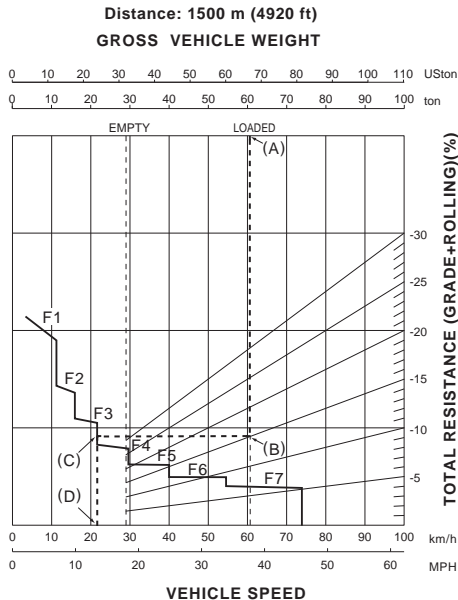
How to use the brake performance curve

These curves are provided for establishing the maximum speed and gearshift position for safe descent of a road with a given gradient at a given distance.

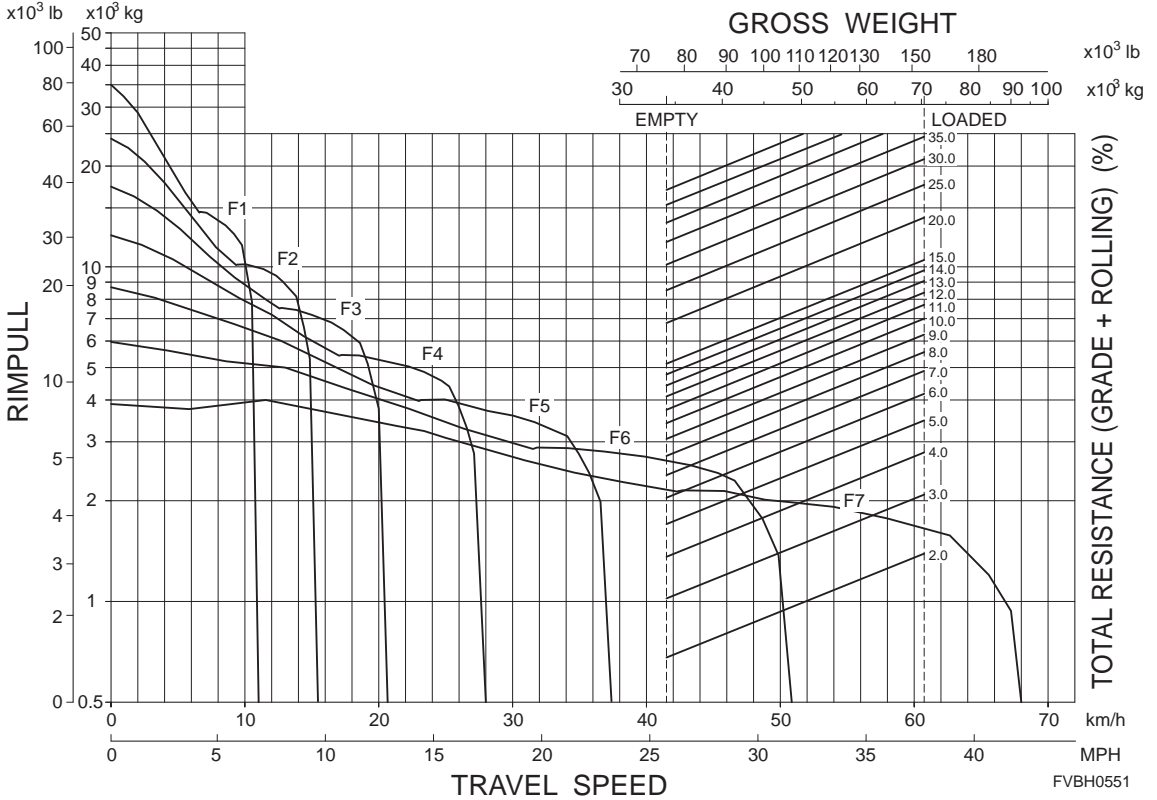
For example, let us assume the total resistance is -15% (gradient resistance -16% plus rolling resistance +1%) on the 1500m (4,920 ft) graph.

First, draw a vertical line from the total vehicle weight (A) so that it crosses the slanted line of -15% total resistance (B). From (B), draw a horizontal line to the left and it will cross the stair curve at (C). Finally, draw a vertical line from (C) and read (D) the maximum speed for driving safely down the slope.

In this case, a vehicle with a 32-ton payload should travel at approximately 22km/h (13.7MPH) with the F3 gear.

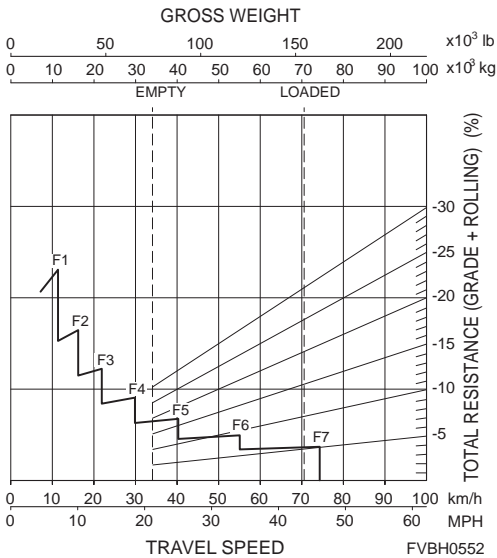


Travel Performance Curve

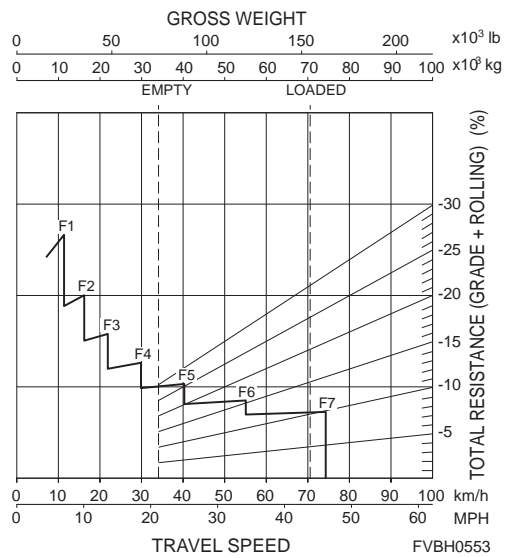


Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT

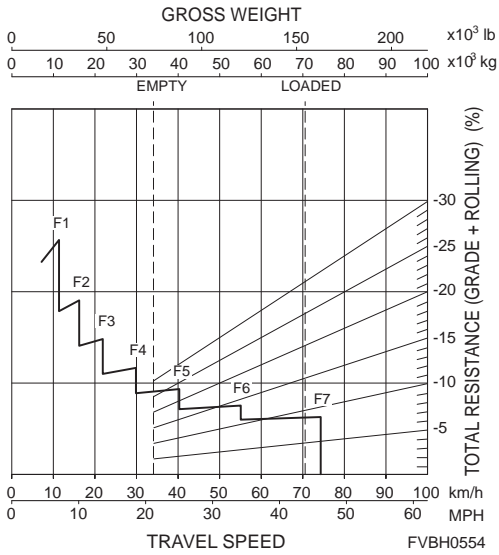


GRADE DISTANCE : 450 m (1,500 ft)

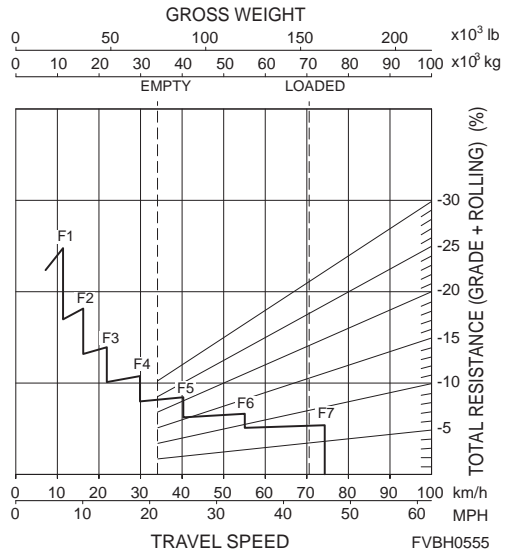


Brake performance

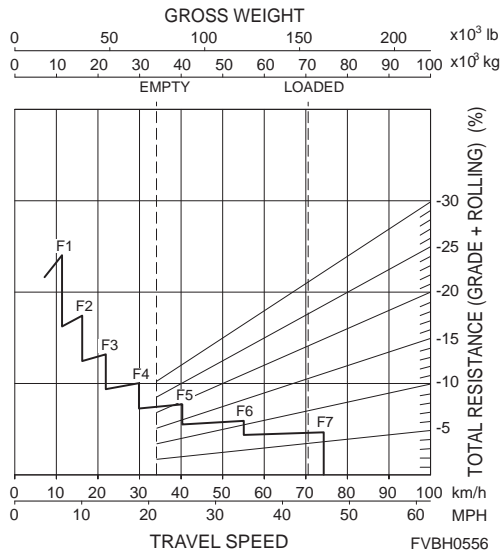
GRADE DISTANCE : 600 m (2,000 ft)



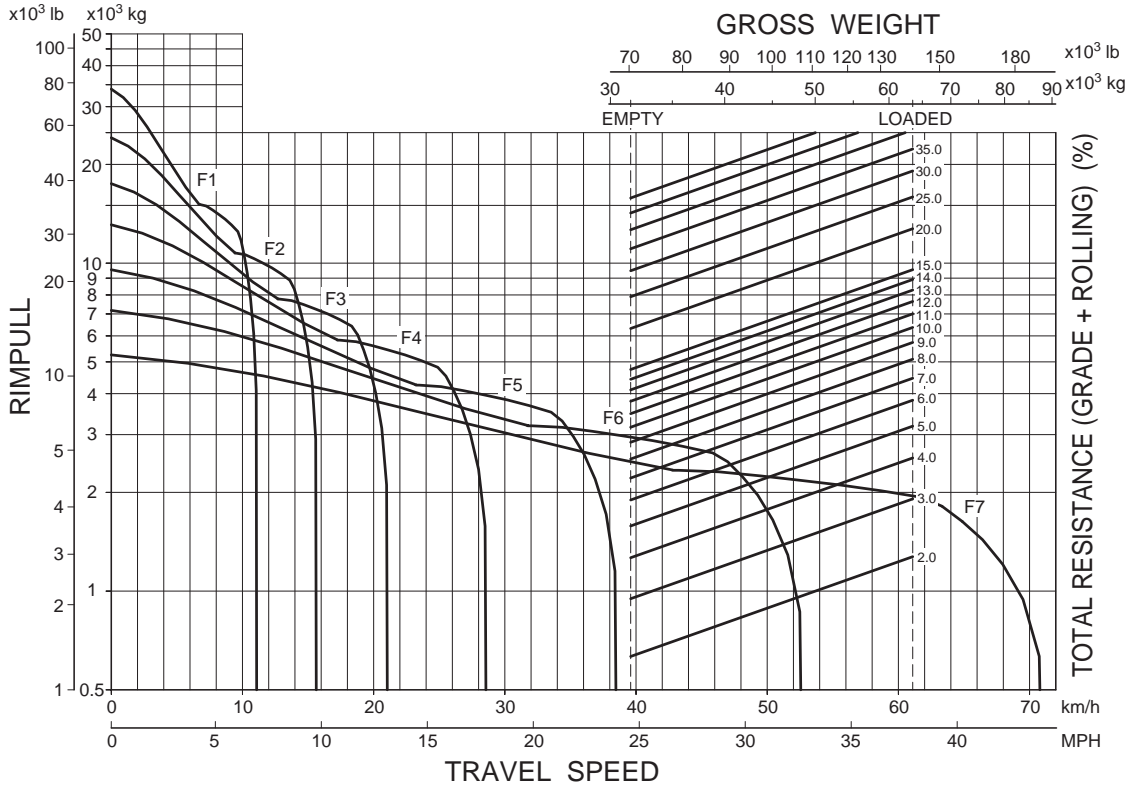
GRADE DISTANCE : 900 m (3,000 ft)



GRADE DISTANCE : 1500 m (5,000 ft)



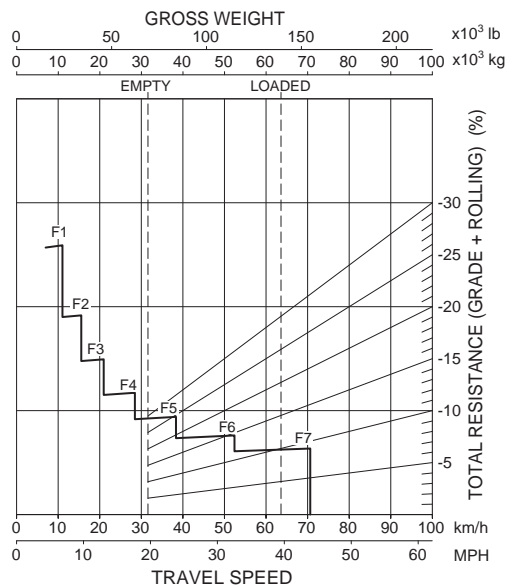
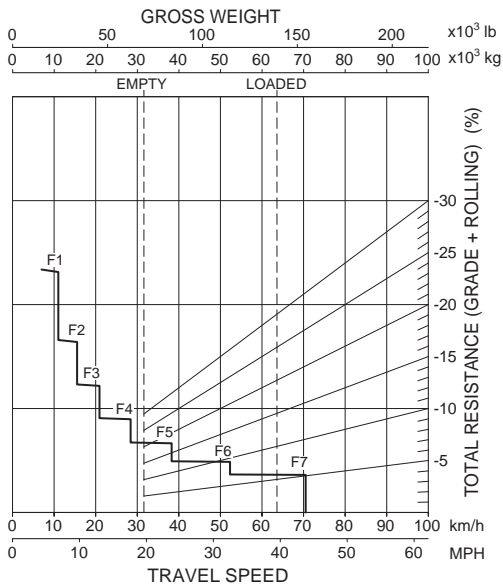
Travel Performance Curve



Brake performance

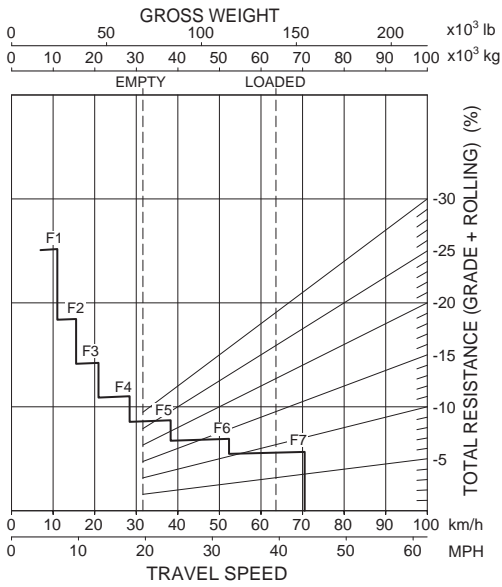
GRADE DISTANCE : CONTINUOUS DESCENT

GRADE DISTANCE : 450 m (1,500 ft)

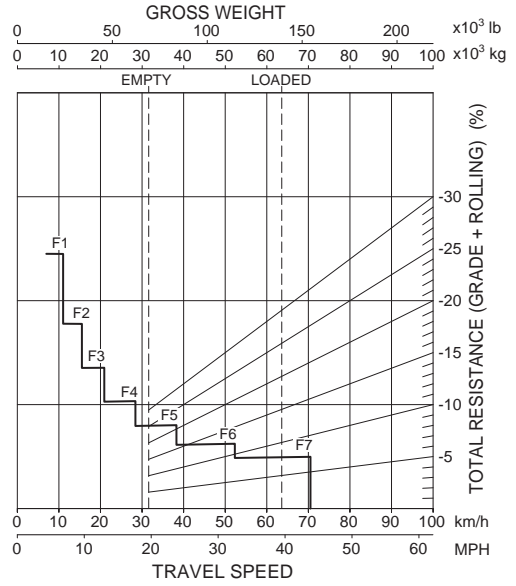


Brake performance

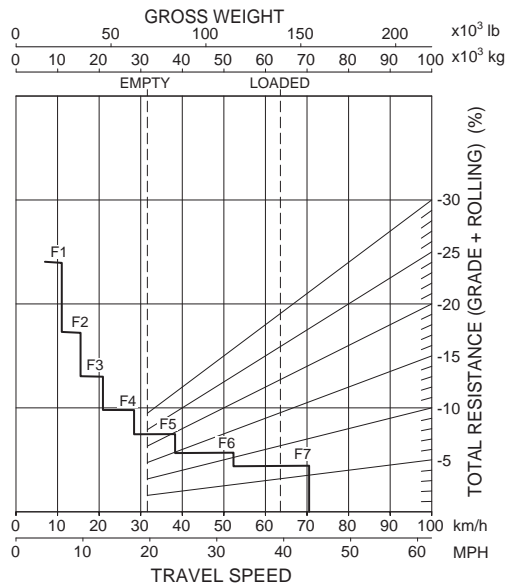
GRADE DISTANCE : 600 m (2,000 ft)



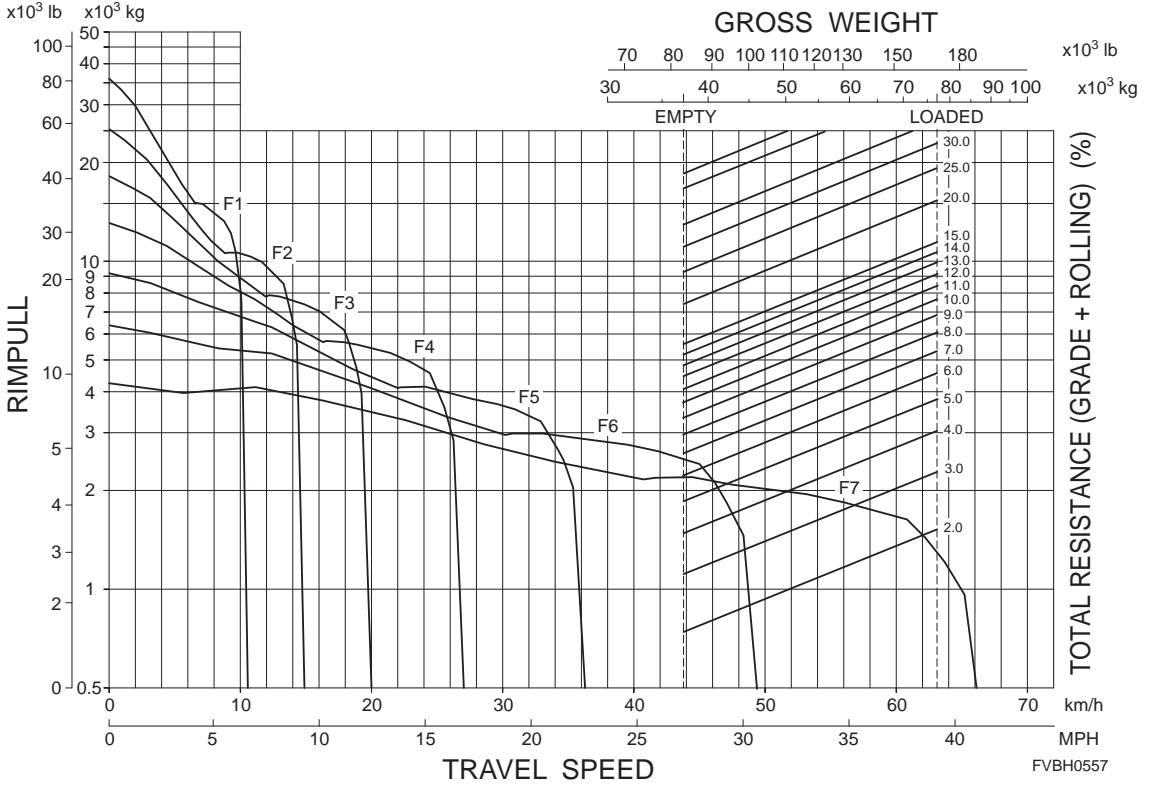
GRADE DISTANCE : 900 m (3,000 ft)



GRADE DISTANCE : 1500 m (5,000 ft)

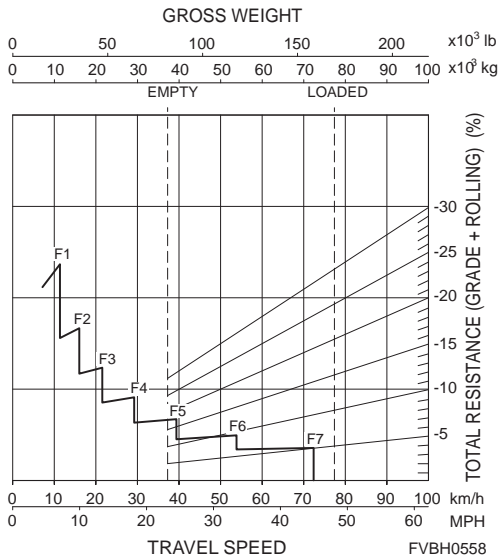


Travel Performance Curve

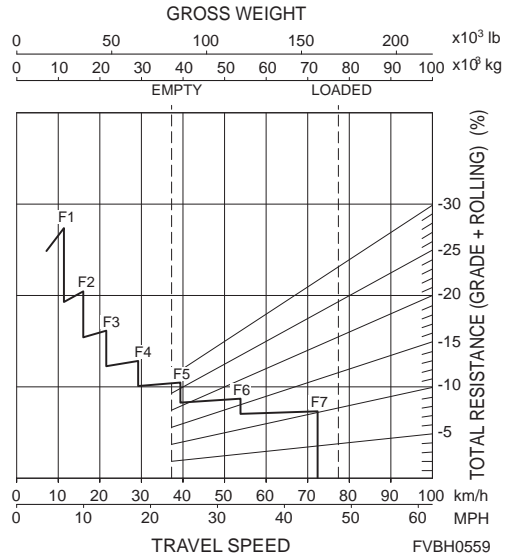


Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT

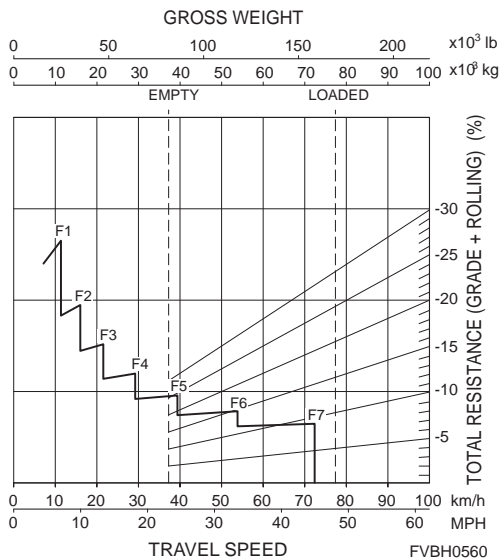


GRADE DISTANCE : 450 m (1,500 ft)

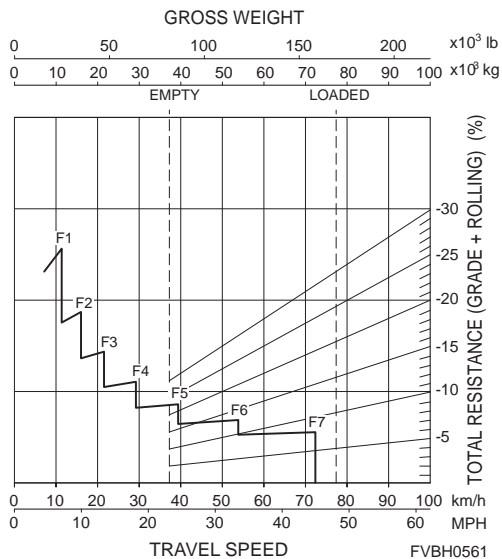


Brake performance

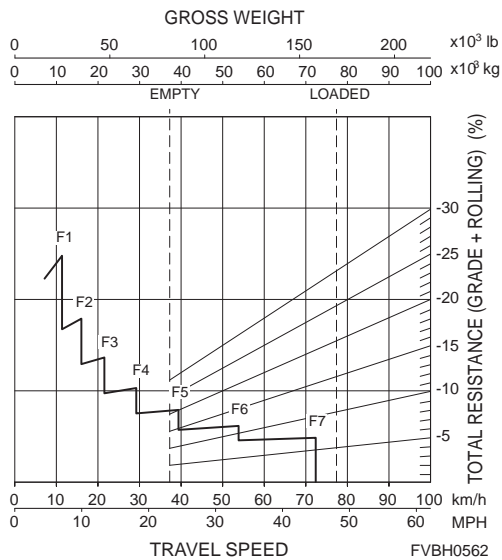
GRADE DISTANCE : 600 m (2,000 ft)



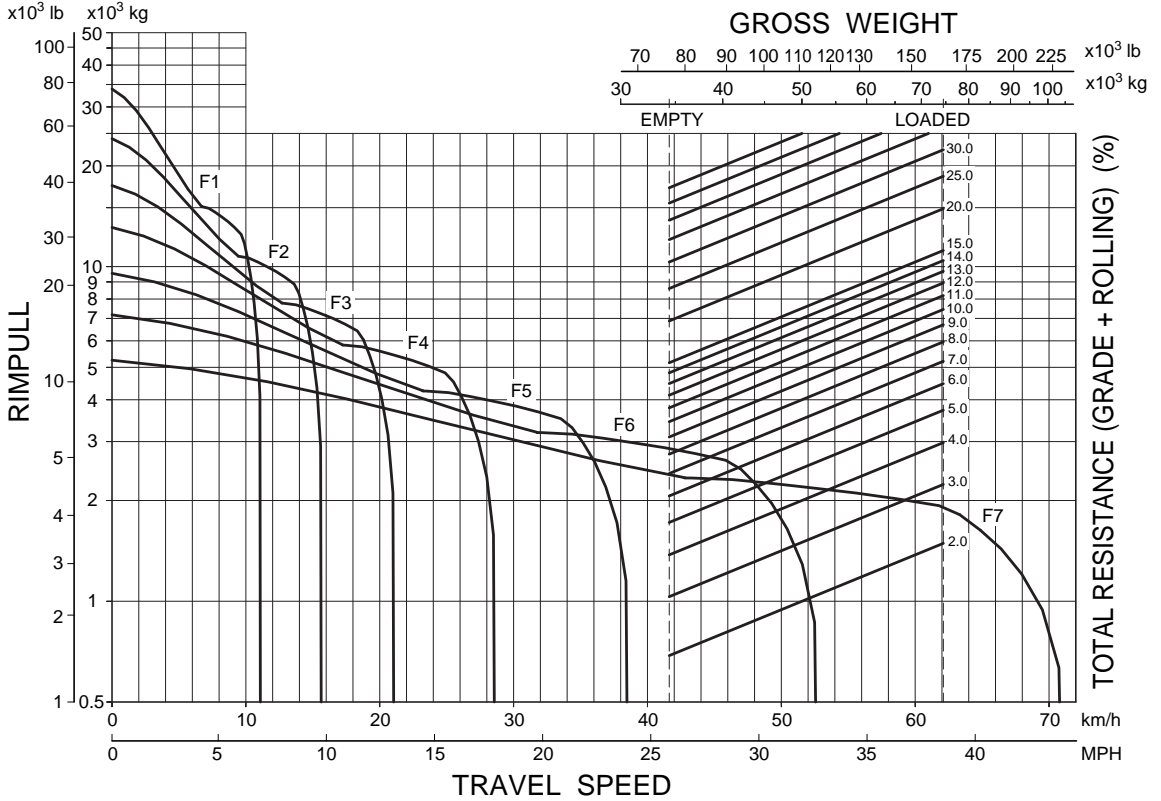
GRADE DISTANCE : 900 m (3,000 ft)



GRADE DISTANCE : 1,500 m (5,000 ft)

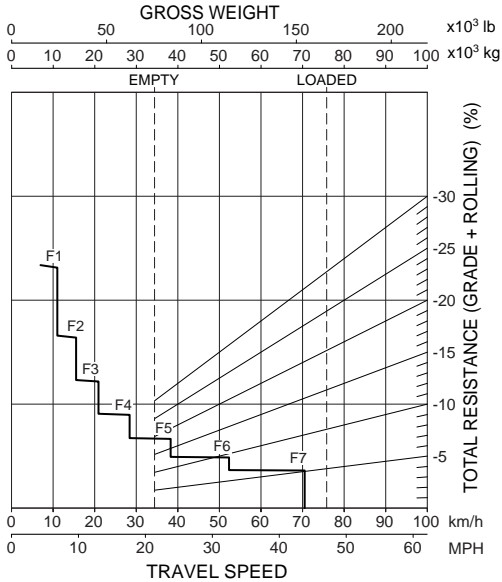


Travel Performance Curve

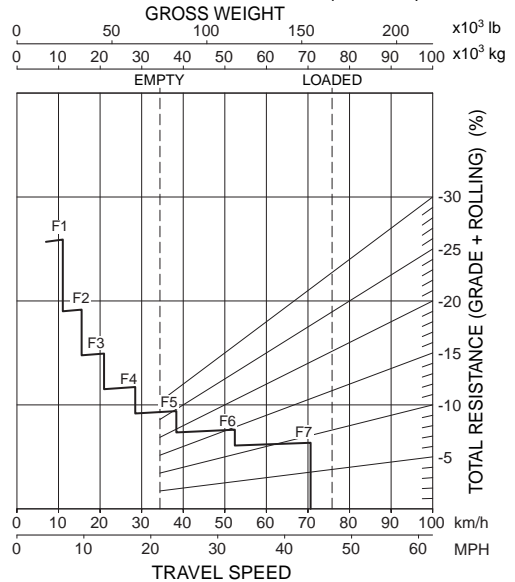


Brake performance

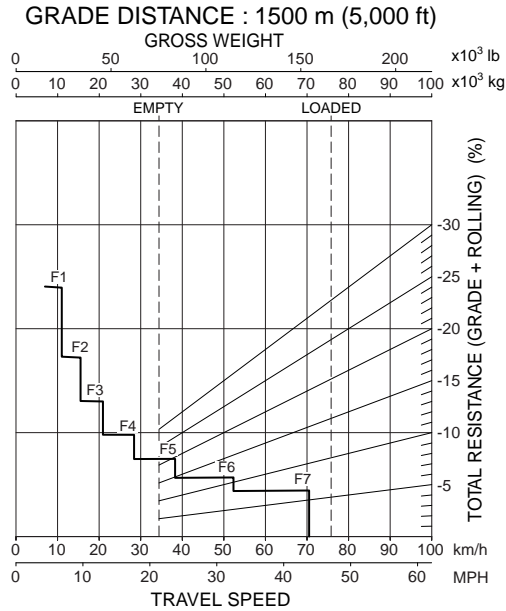
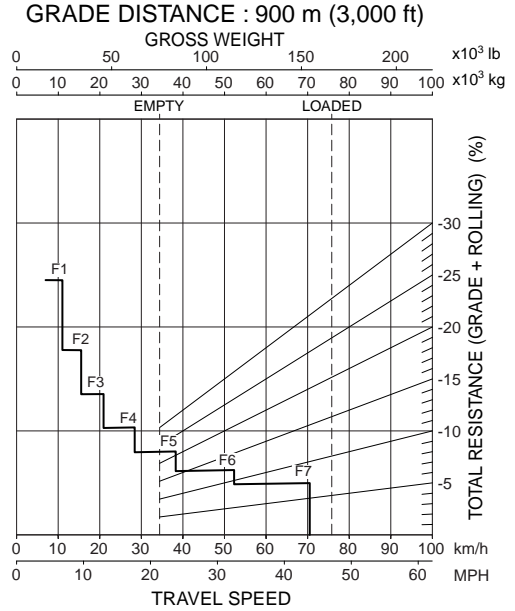
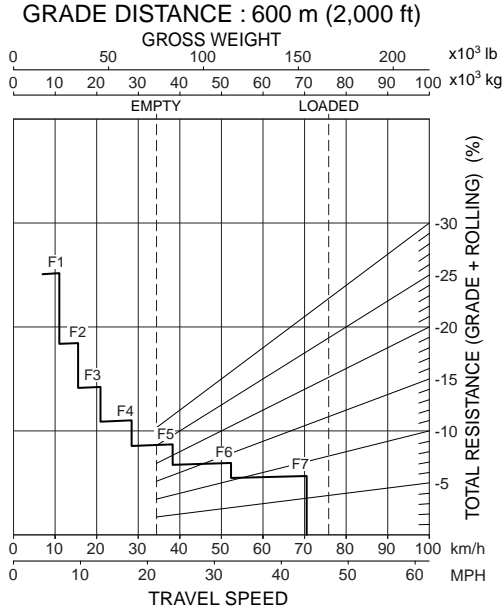
GRADE DISTANCE : CONTINUOUS DESCENT



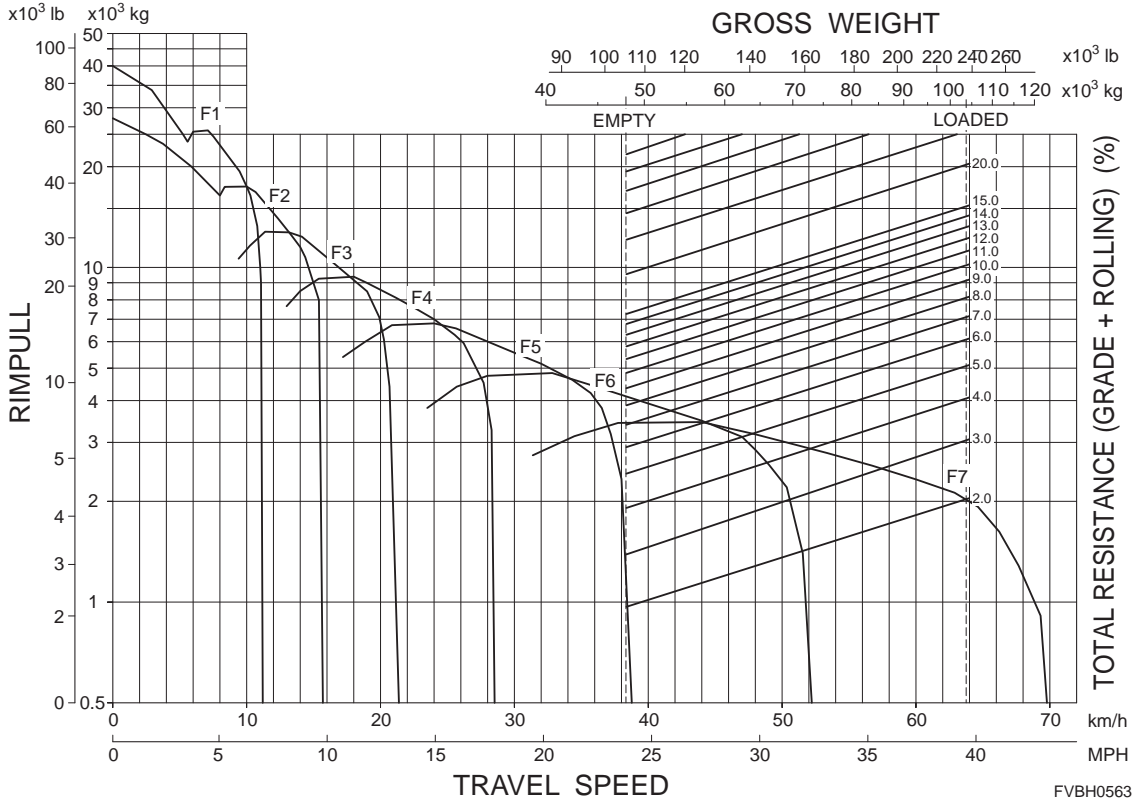
GRADE DISTANCE : 450 m (1,500 ft)



Brake performance

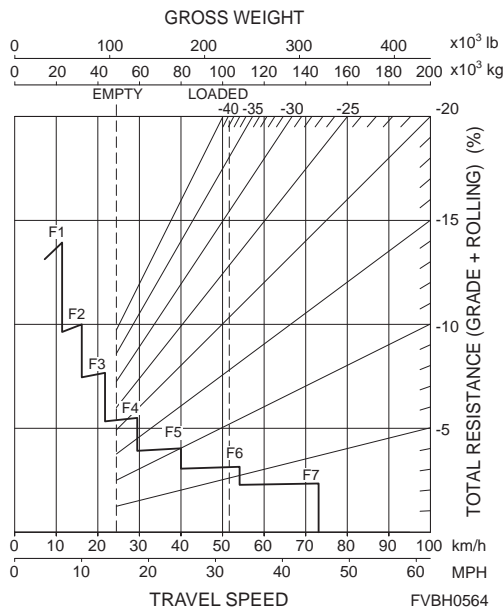


Travel Performance Curve

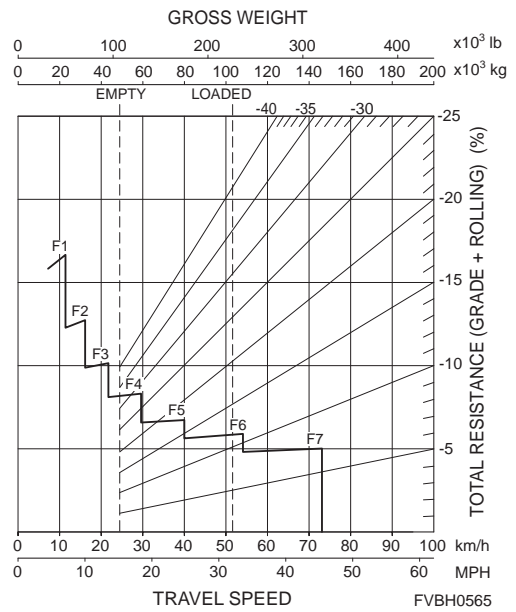


Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT

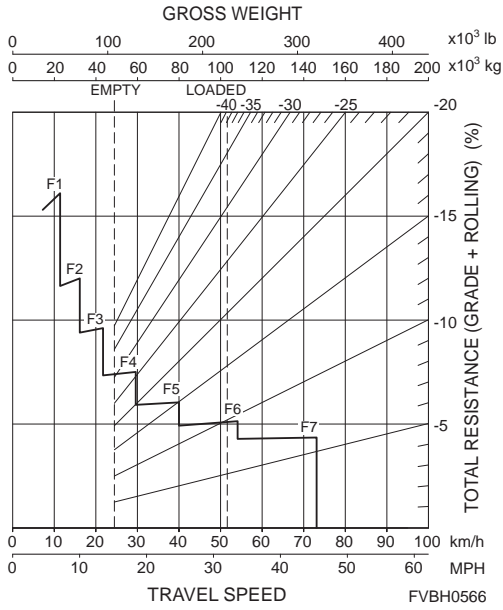


GRADE DISTANCE : 450 m (1,500 ft)

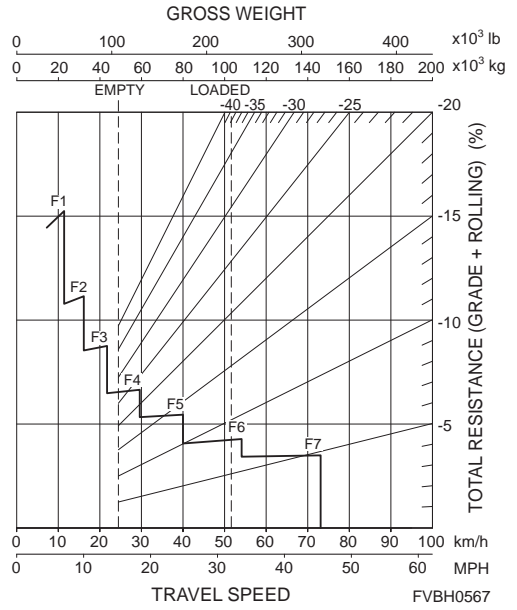


Brake performance

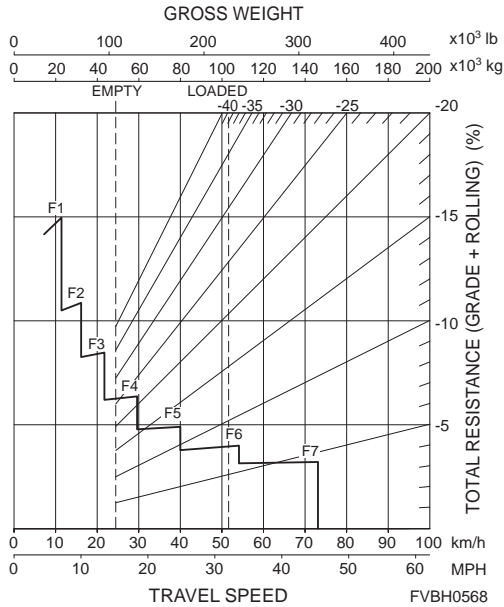
GRADE DISTANCE : 600 m (2,000 ft)



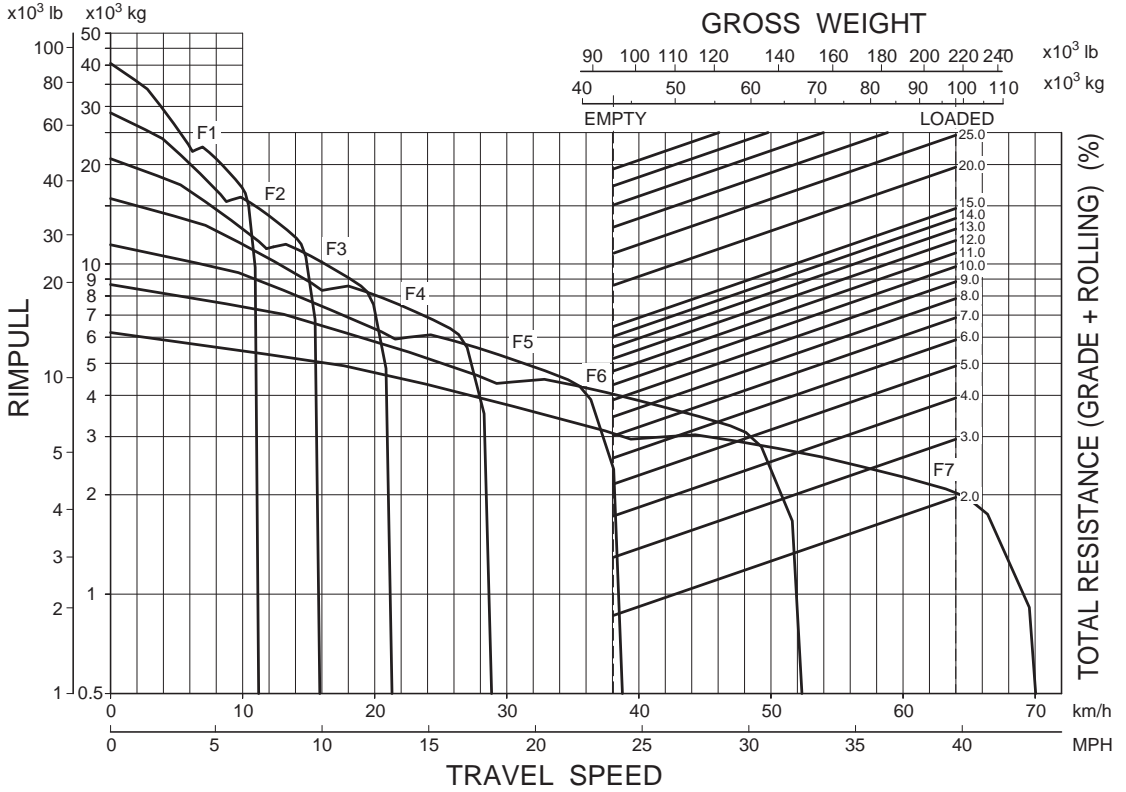
GRADE DISTANCE : 900 m (3,000 ft)



GRADE DISTANCE : 1,500 m (5,000 ft)



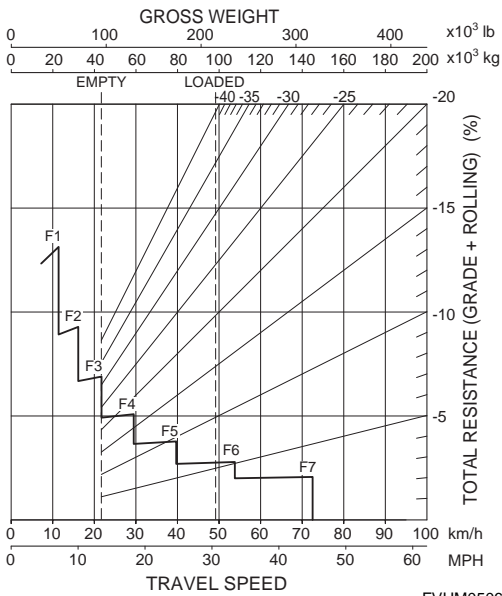
Travel Performance Curve



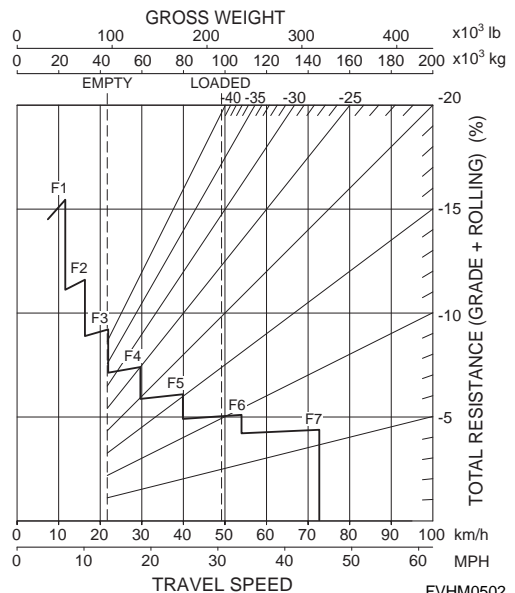
Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT

GRADE DISTANCE : 450 m (1,500 ft)



FVHM0506

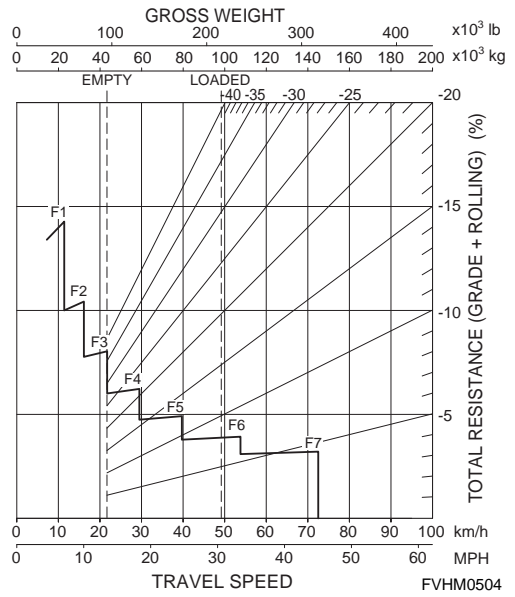
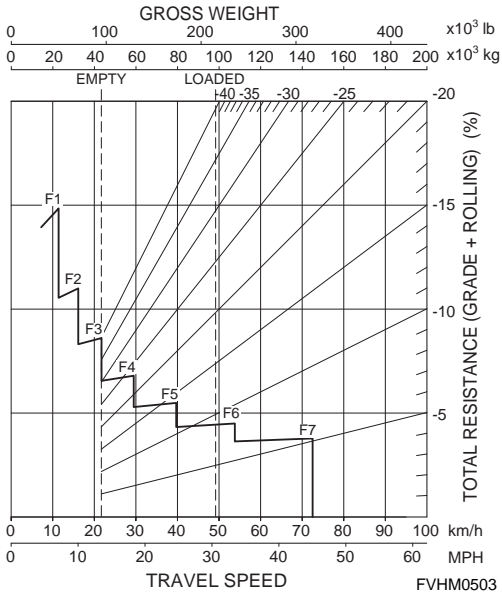


FVHM0502

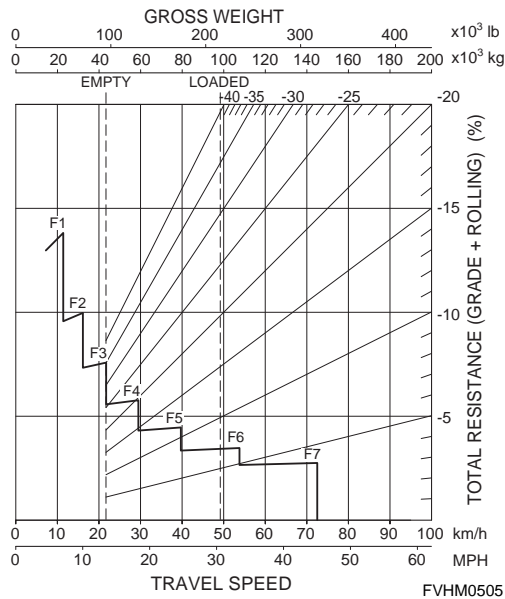
Brake performance

GRADE DISTANCE : 600 m (2,000 ft)

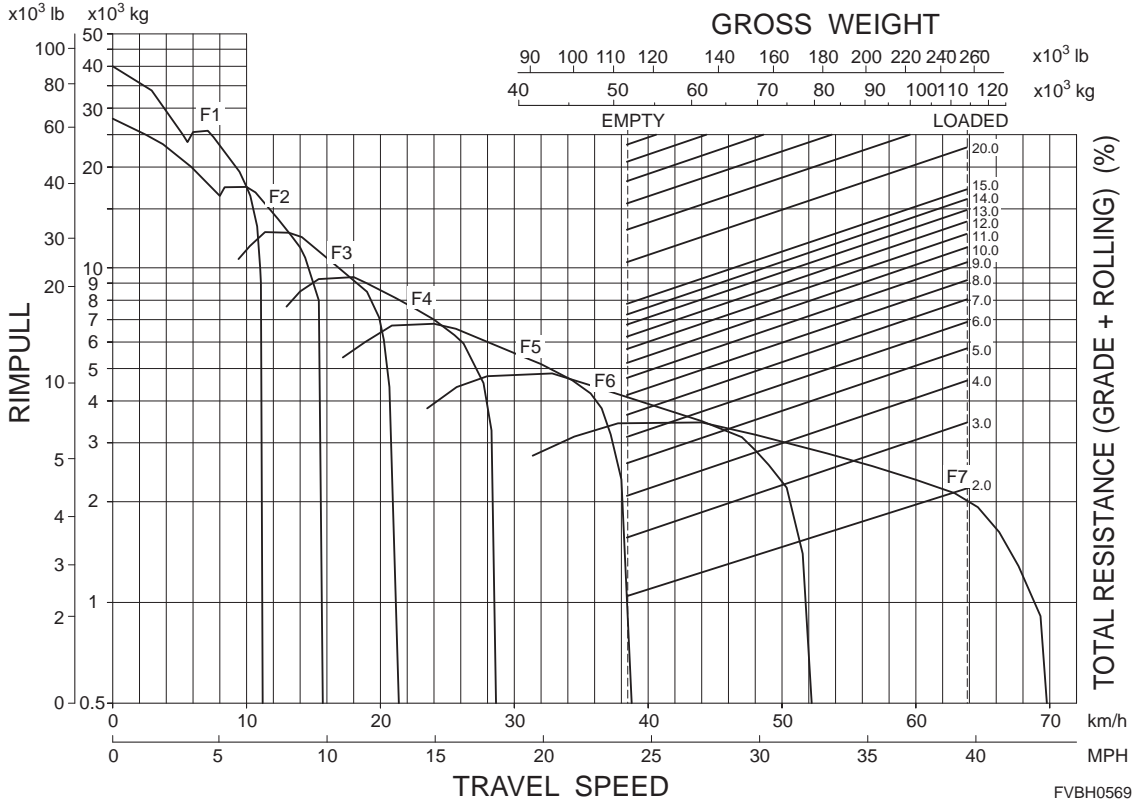
GRADE DISTANCE : 900 m (3,000 ft)



GRADE DISTANCE : 1500 m (5,000 ft)



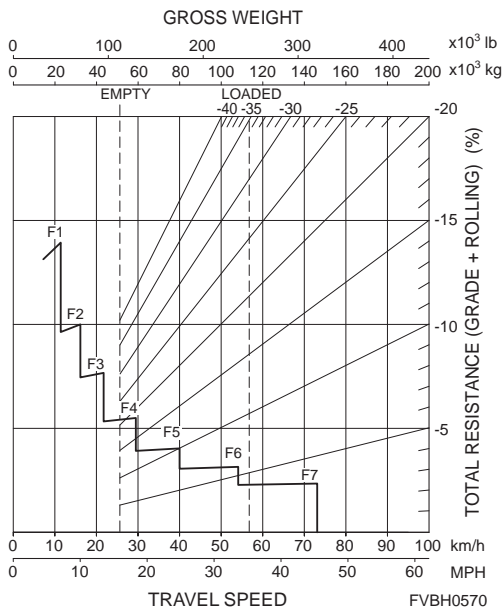
Travel Performance Curve



FVBH0569

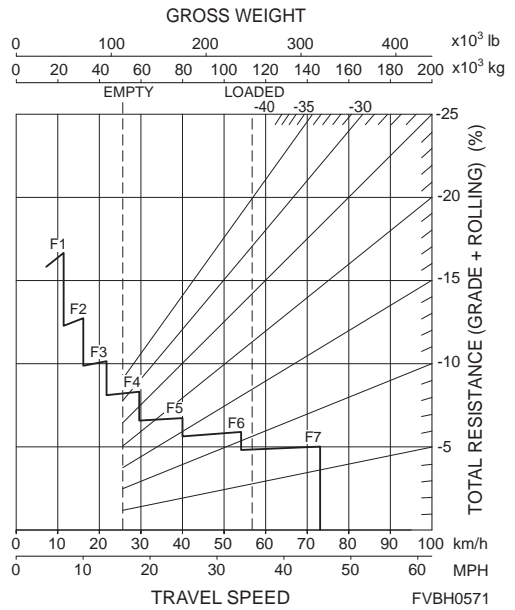
Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT



FVBH0570

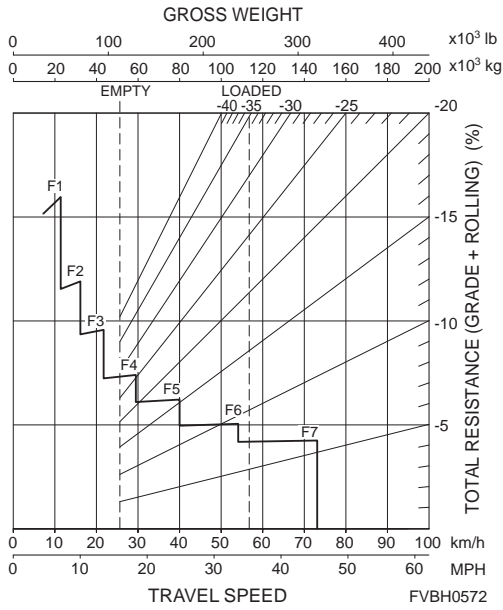
GRADE DISTANCE : 450 m (1,500 ft)



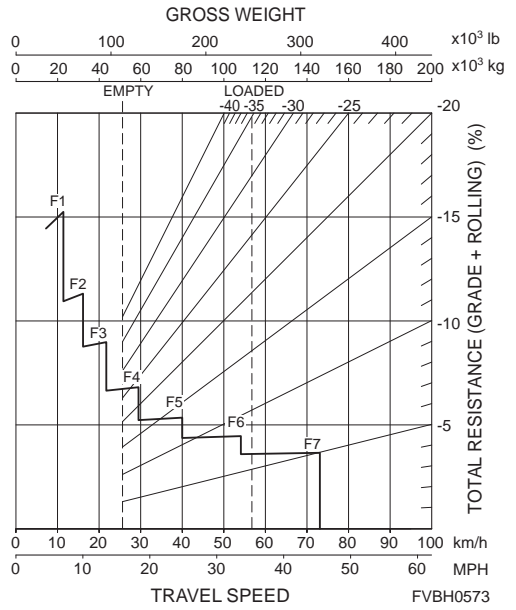
FVBH0571

Brake performance

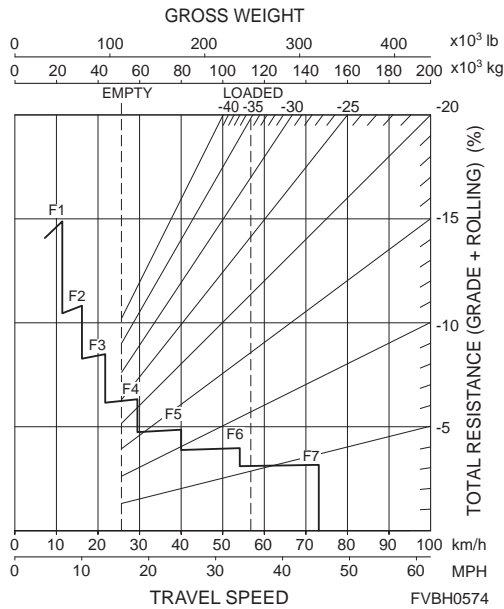
GRADE DISTANCE : 600 m (2,000 ft)



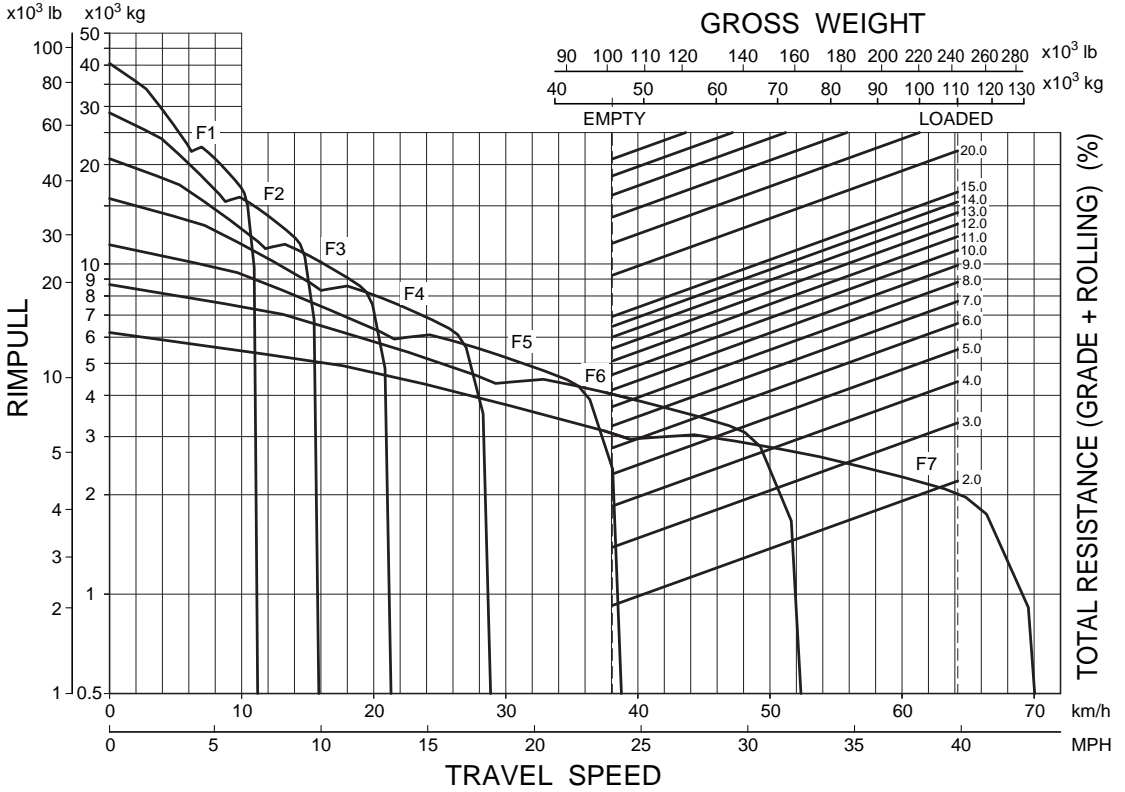
GRADE DISTANCE : 900 m (3,000 ft)



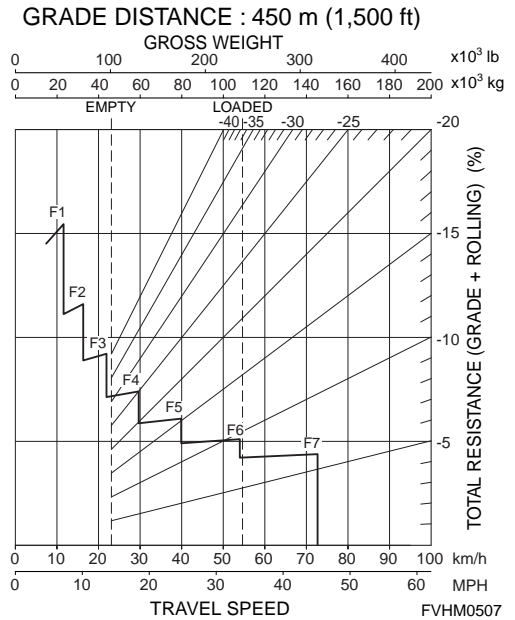
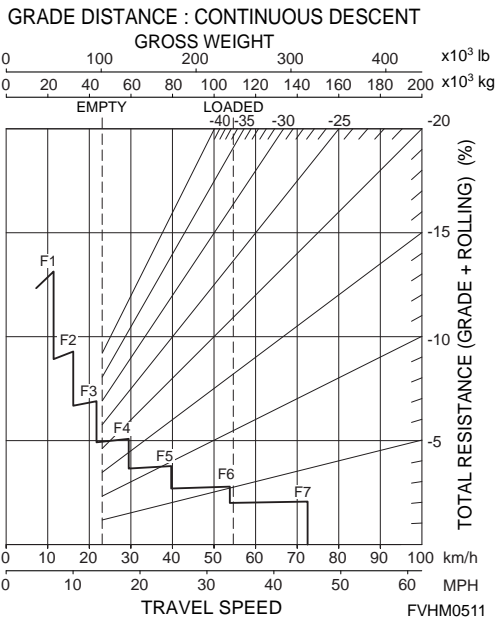
GRADE DISTANCE : 1,500 m (5,000 ft)



Travel Performance Curve

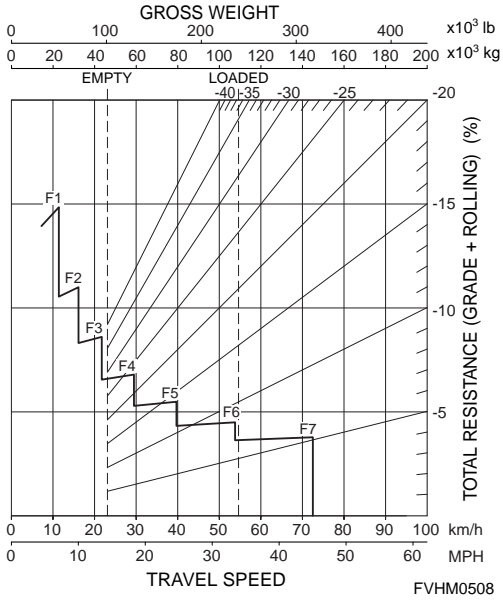


Brake performance

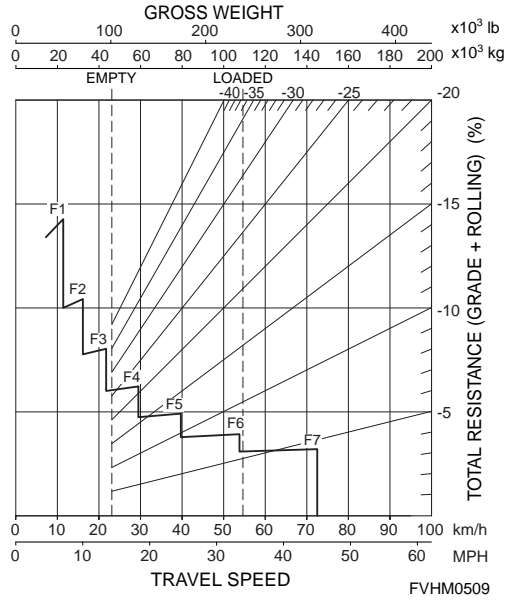


Brake performance

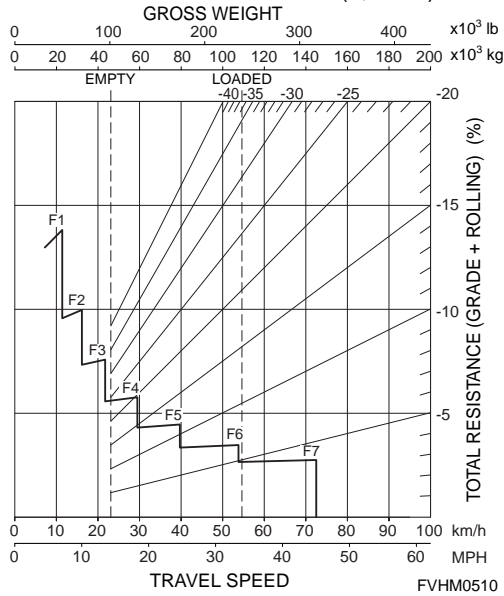
GRADE DISTANCE : 600 m (2,000 ft)



GRADE DISTANCE : 900 m (3,000 ft)



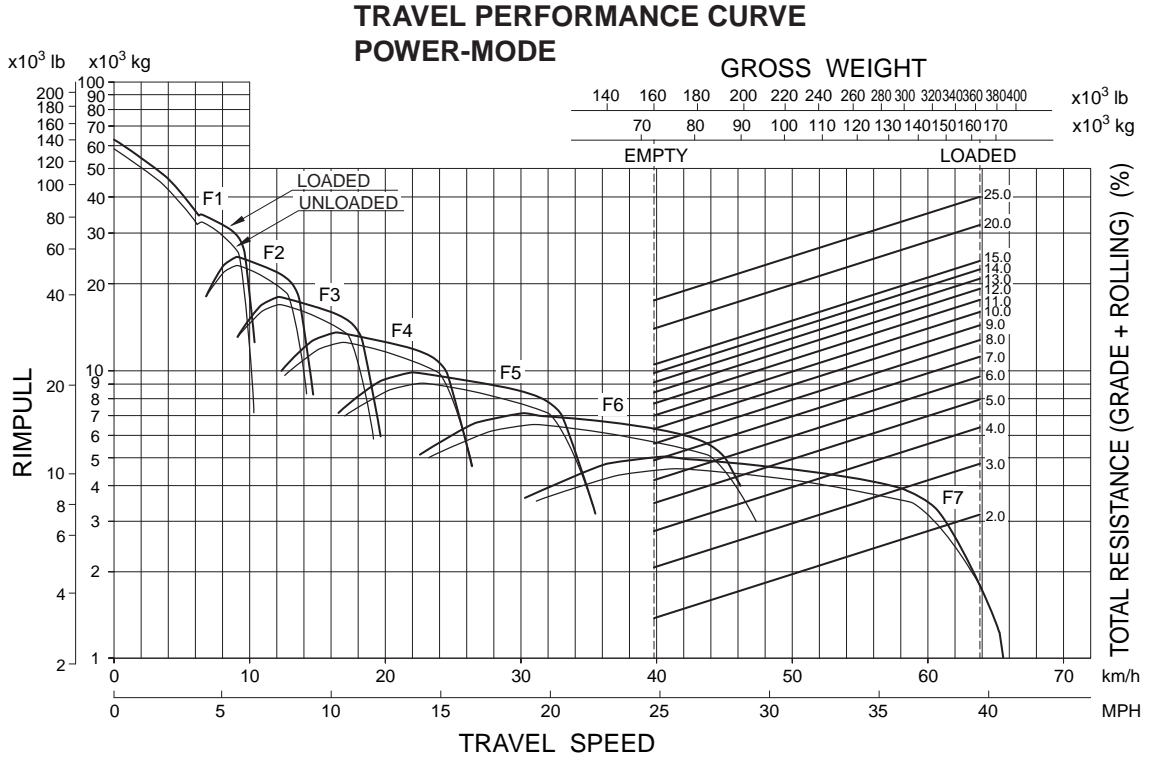
GRADE DISTANCE : 1500 m (5,000 ft)



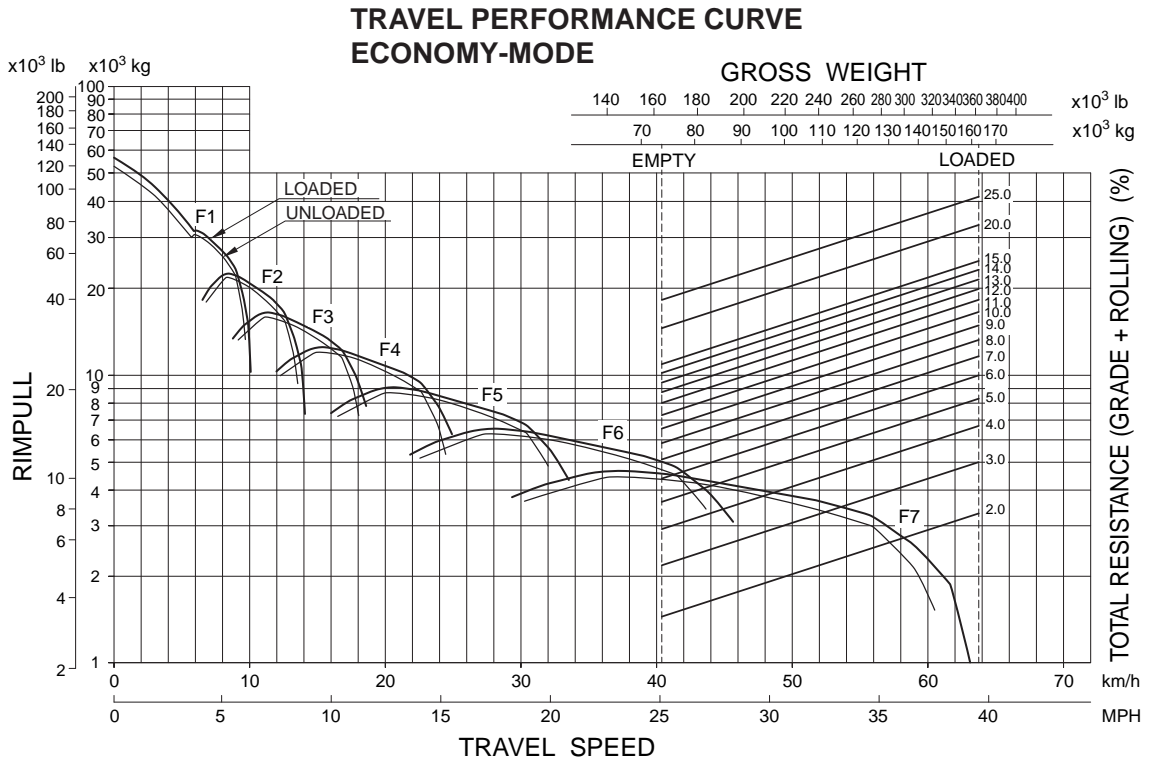
HD785-7
Performance Curves

RIGID
DUMP TRUCKS

Travel Performance Curve
Power-mode

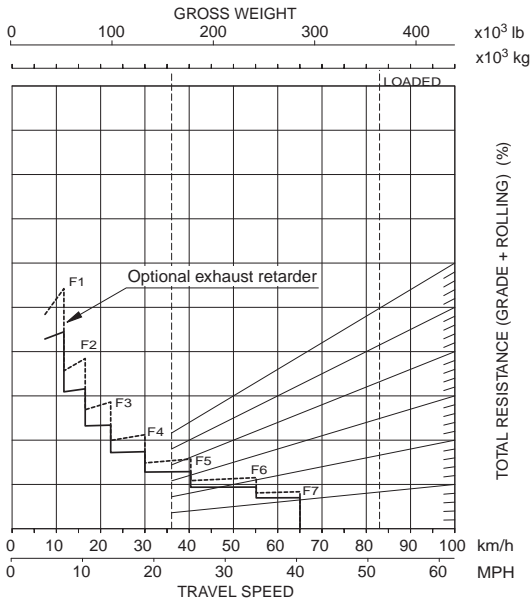


Travel Performance Curve
Economy-mode

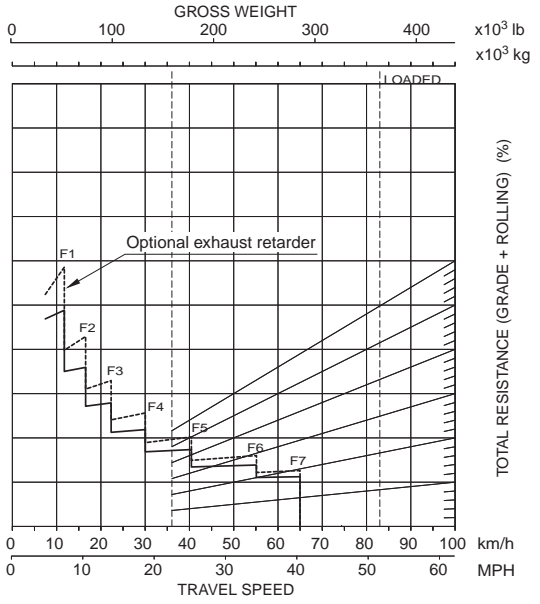


Brake performance

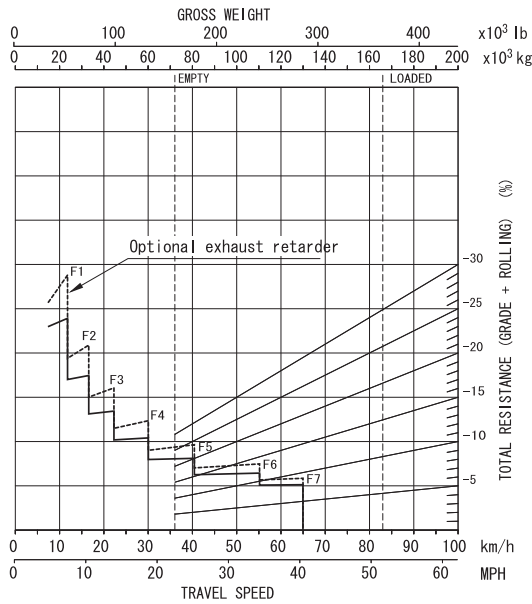
Grade distance : Continuous Descent



Grade distance : 450m (1,500 ft)

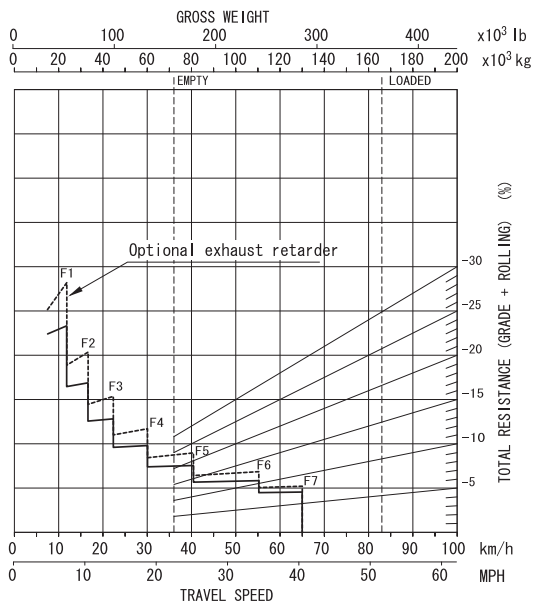


Grade distance : 600m (2,000 ft)

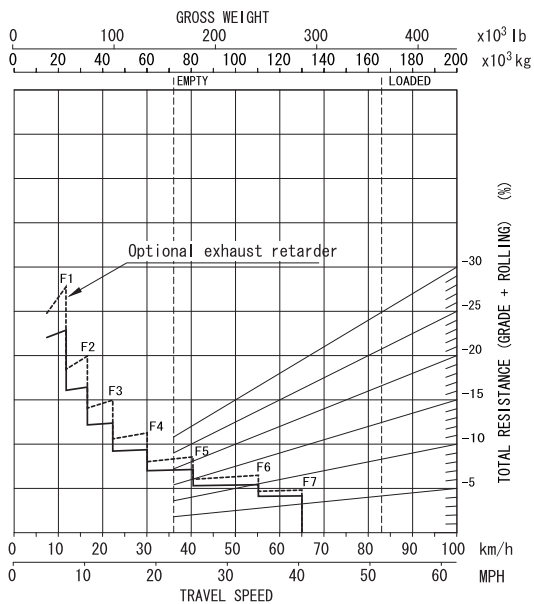


Brake performance

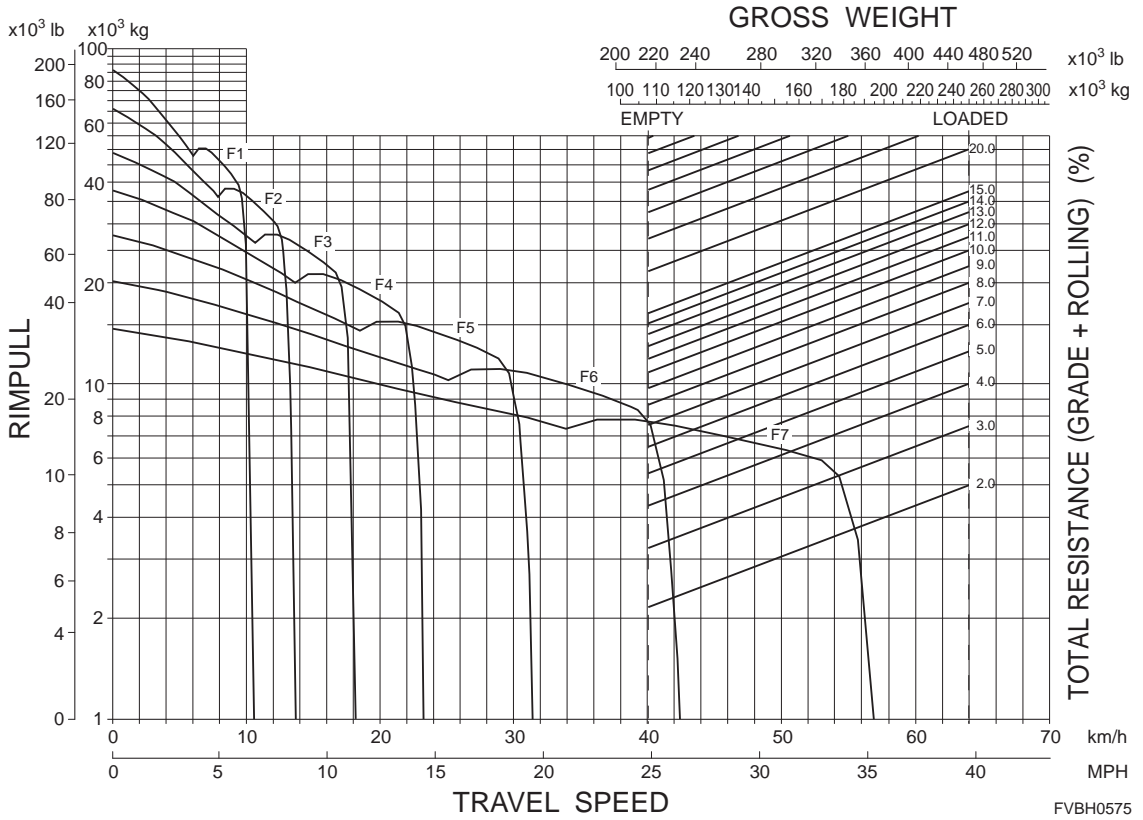
Grade distance : 900m (3,000 ft)



Grade distance : 1500m (5,000 ft)

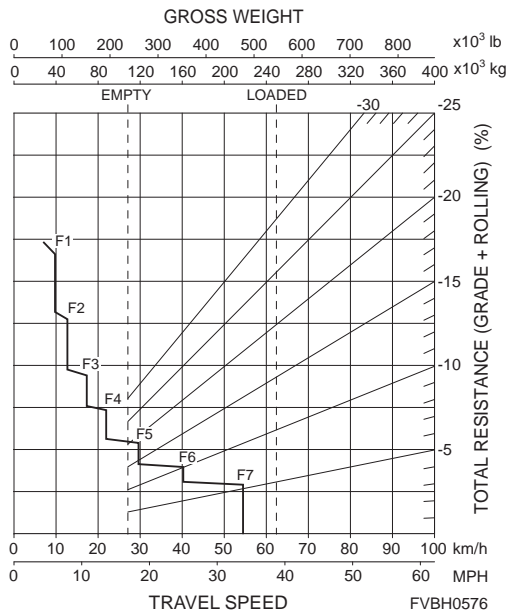


Travel Performance Curve

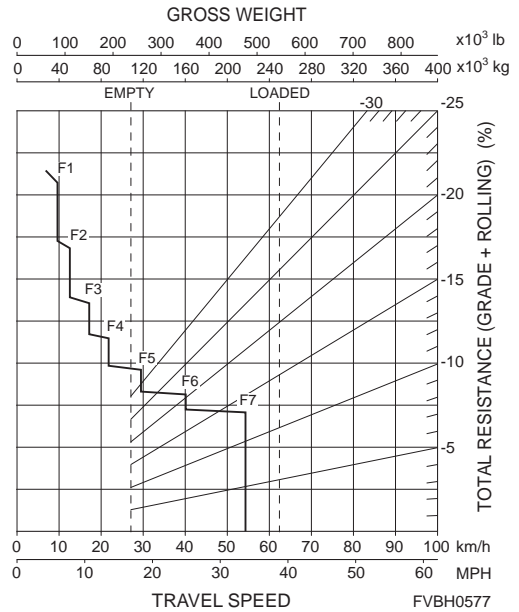


Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT

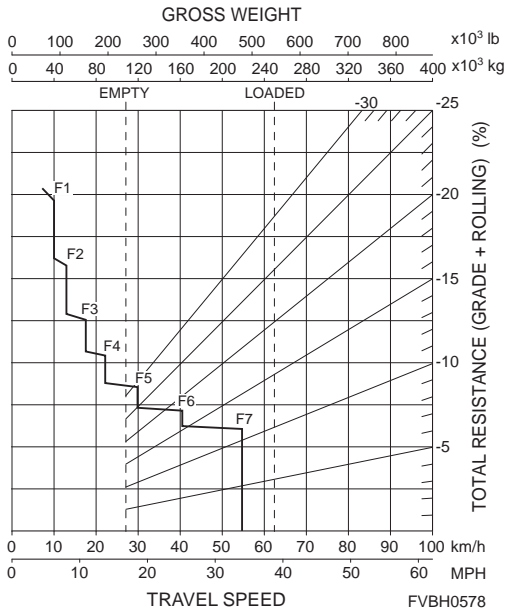


GRADE DISTANCE : 450 m (1,500 ft)

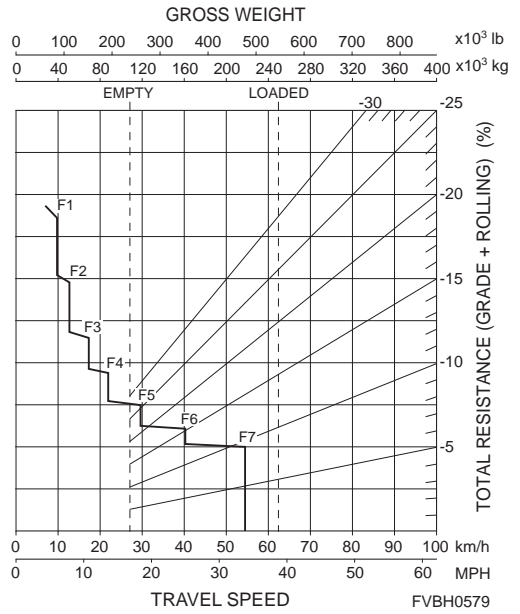


Brake performance

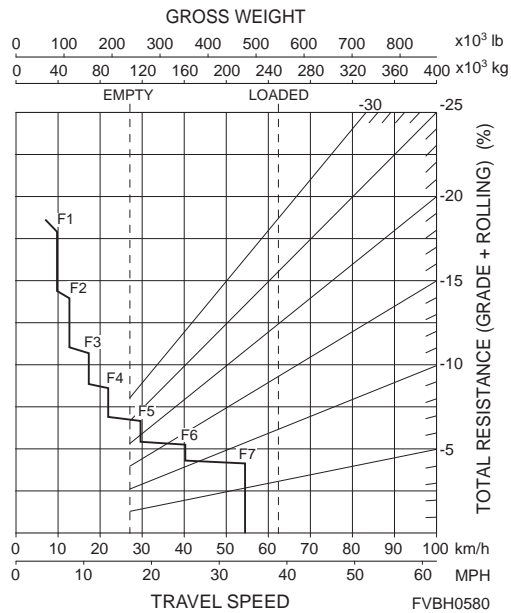
GRADE DISTANCE : 600 m (2,000 ft)



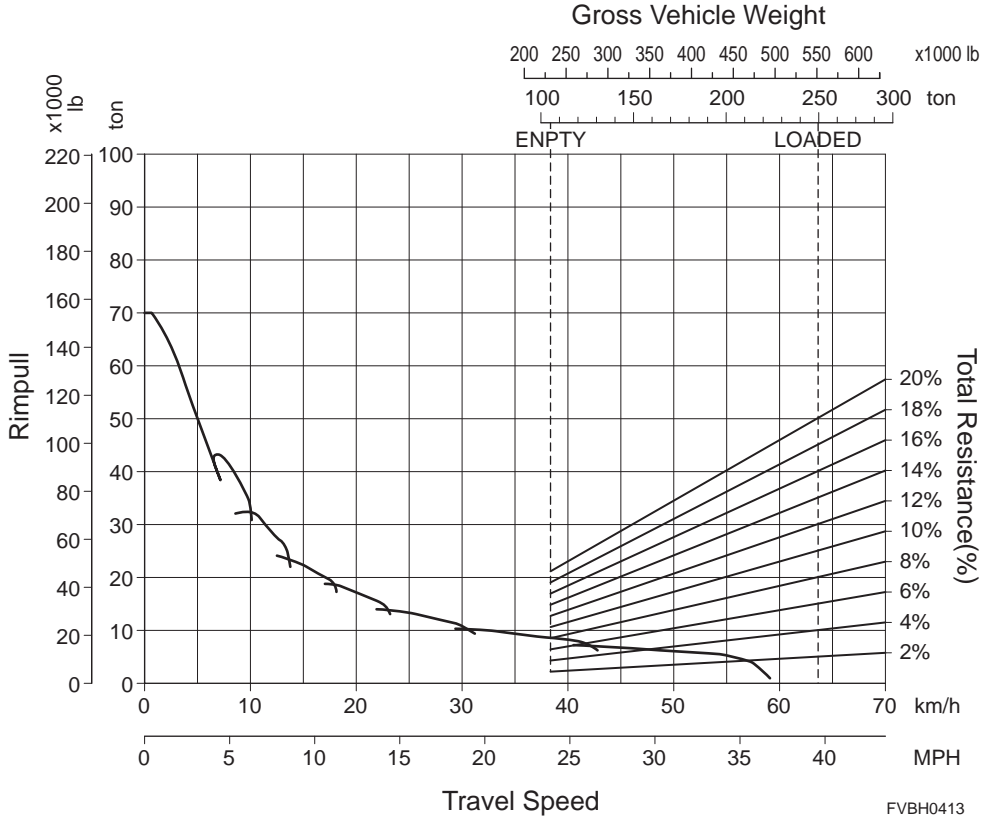
GRADE DISTANCE : 900 m (3,000 ft)



GRADE DISTANCE : 1,500 m (5,000 ft)



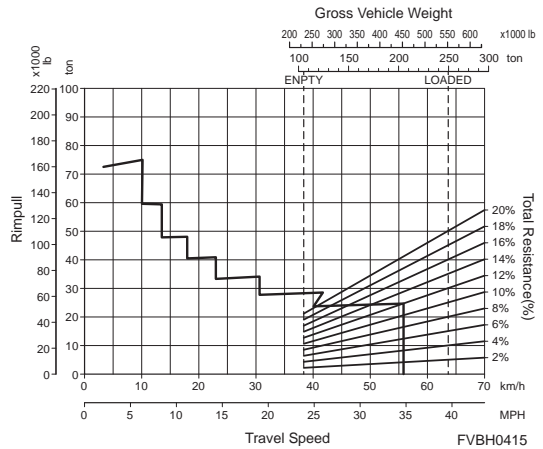
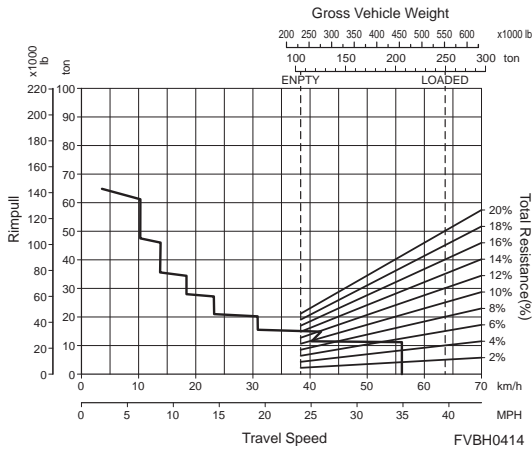
Travel performance



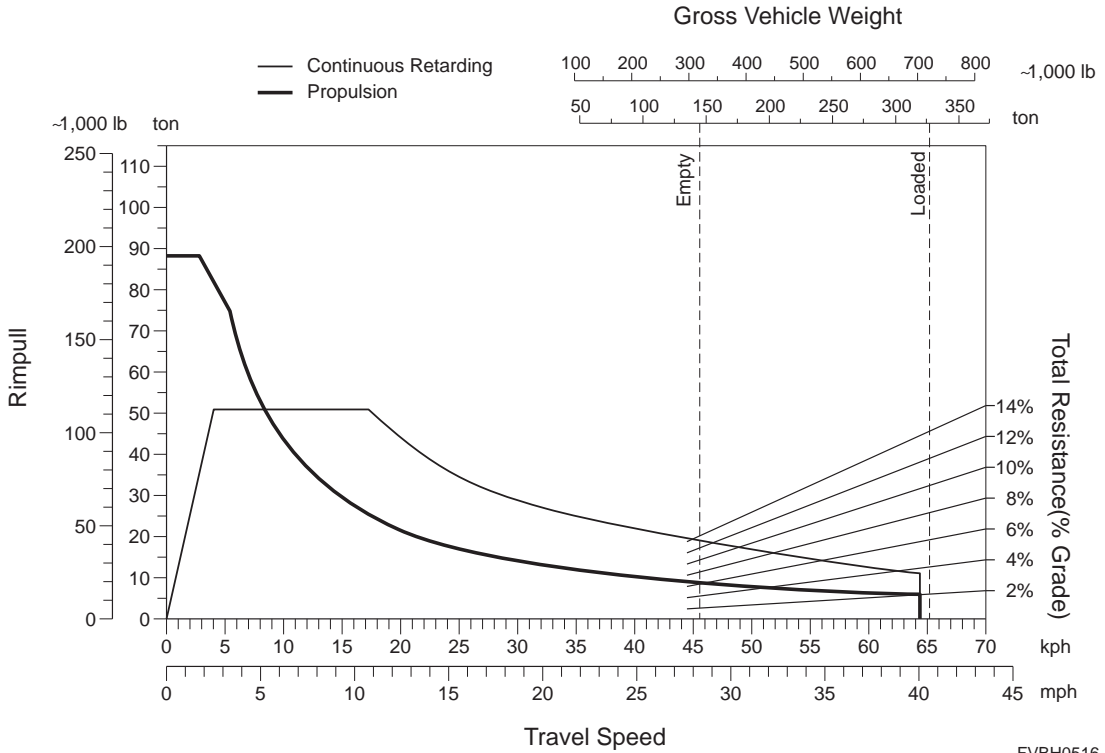
Brake performance

GRADE DISTANCE: CONTINUOUS DISTANCE

GRADE DISTANCE: 450 m (1,500 ft)



Travel performance



FVBH0516

How to use this Performance Chart:

1. Calculate the Total Resistance (%).

$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} + \text{Rolling Resistance (\%)}$$
2. Calculate Rimpull Required.

$$\text{Rimpull (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

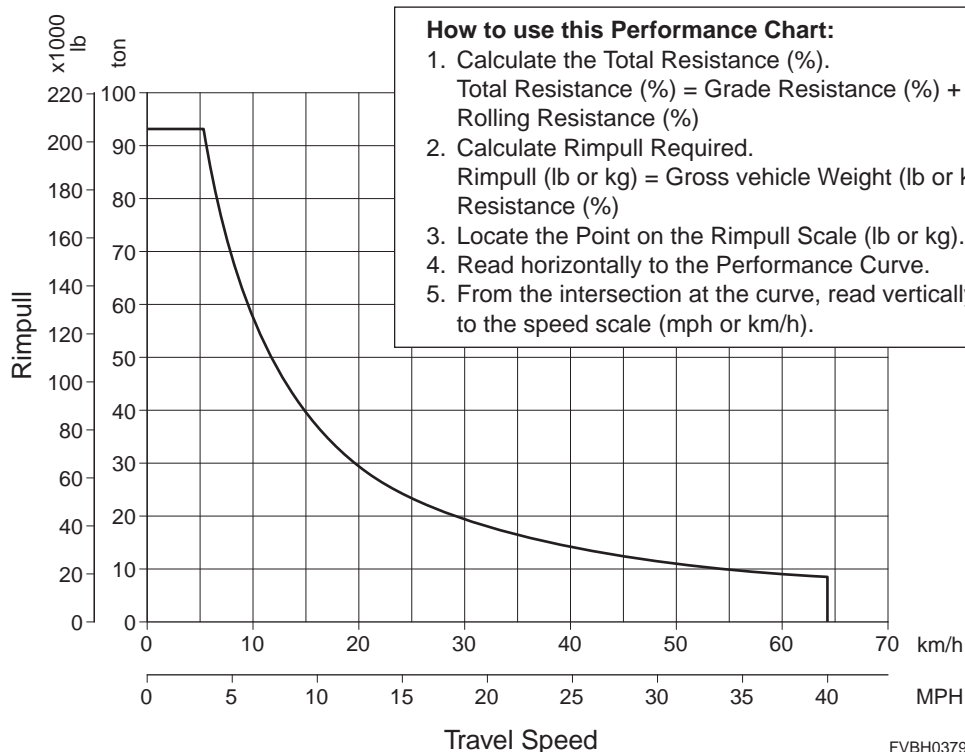
How to use this Retarding Chart:

1. Calculate the Total Resistance (%).

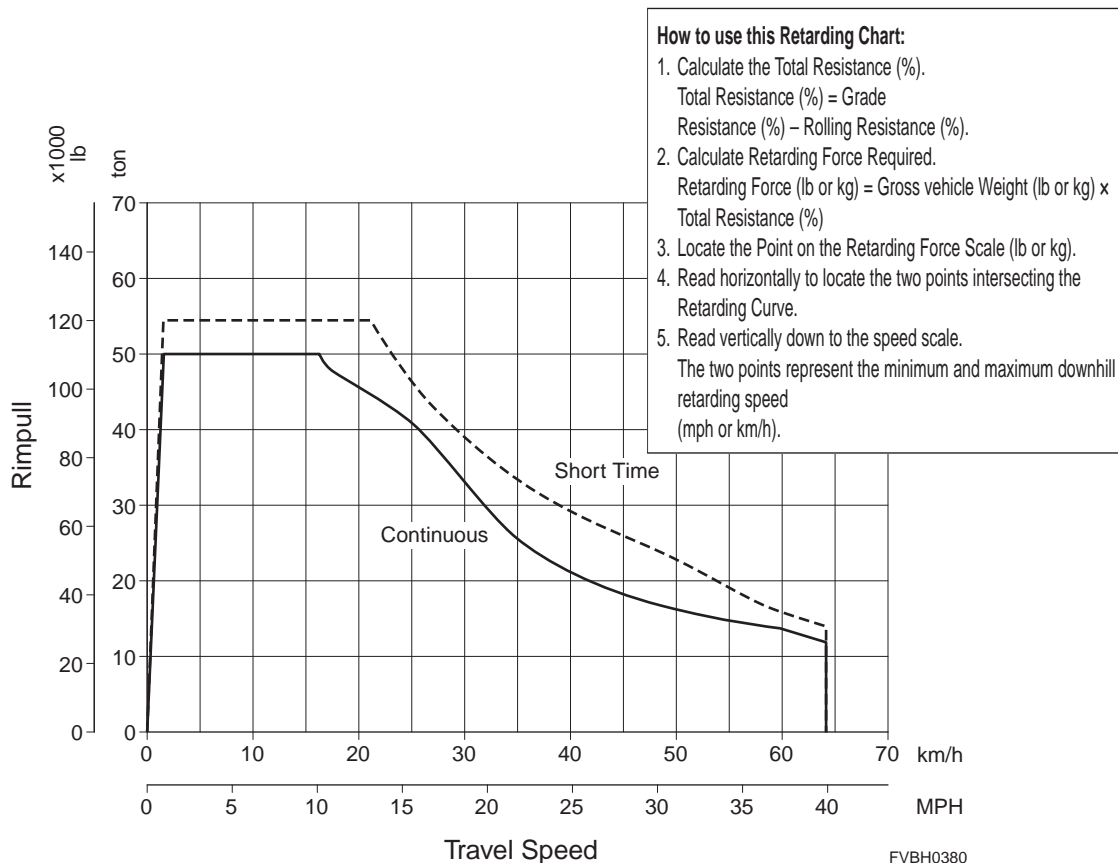
$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} - \text{Rolling Resistance (\%)}$$
2. Calculate Retarding Force Required.

$$\text{Retarding Force (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Retarding Force Scale (lb or kg).
4. Read horizontally to locate the two points intersecting the Retarding Curve.
5. Read vertically down to the speed scale.
 The two points represent the minimum and maximum downhill retarding speed (mph or km/h).

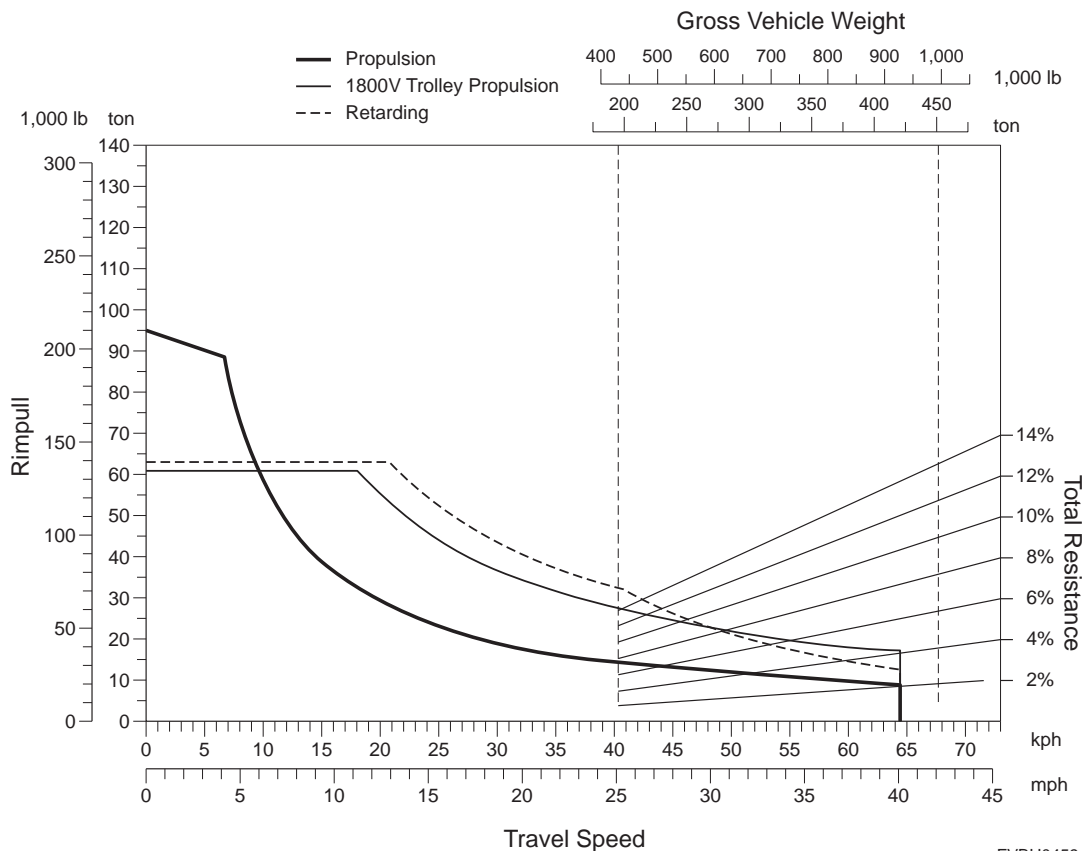
Travel performance



Brake performance



Travel and brake performance



FVBH0459

How to use this Performance Chart:

1. Calculate the Total Resistance (%).

$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} + \text{Rolling Resistance (\%)}$$
2. Calculate Rimpull Required.

$$\text{Rimpull (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

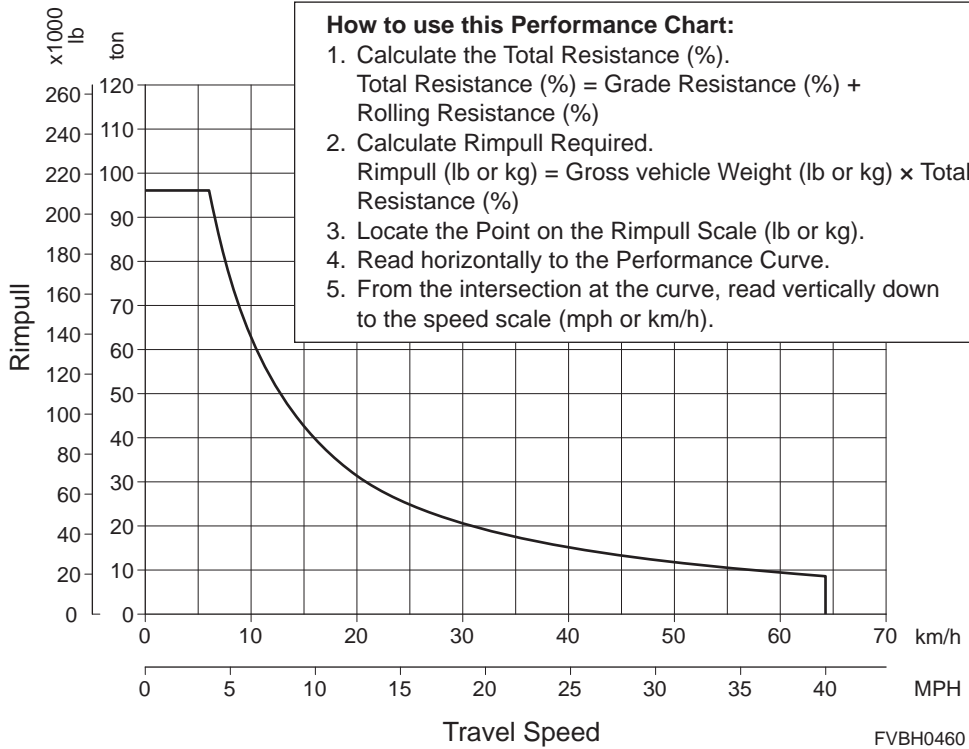
How to use this Retarding Chart:

1. Calculate the Total Resistance (%).

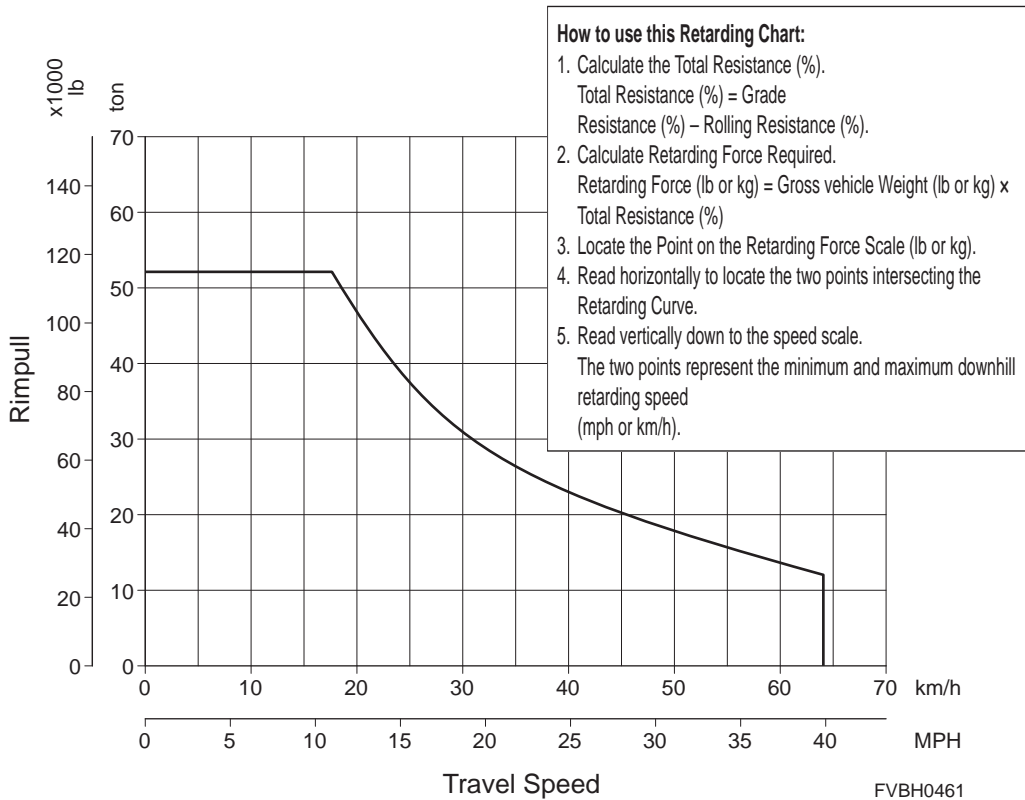
$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} - \text{Rolling Resistance (\%)}$$
2. Calculate Retarding Force Required.

$$\text{Retarding Force (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Retarding Force Scale (lb or kg).
4. Read horizontally to locate the two points intersecting the Retarding Curve.
5. Read vertically down to the speed scale.
 The two points represent the minimum and maximum downhill retarding speed (mph or km/h).

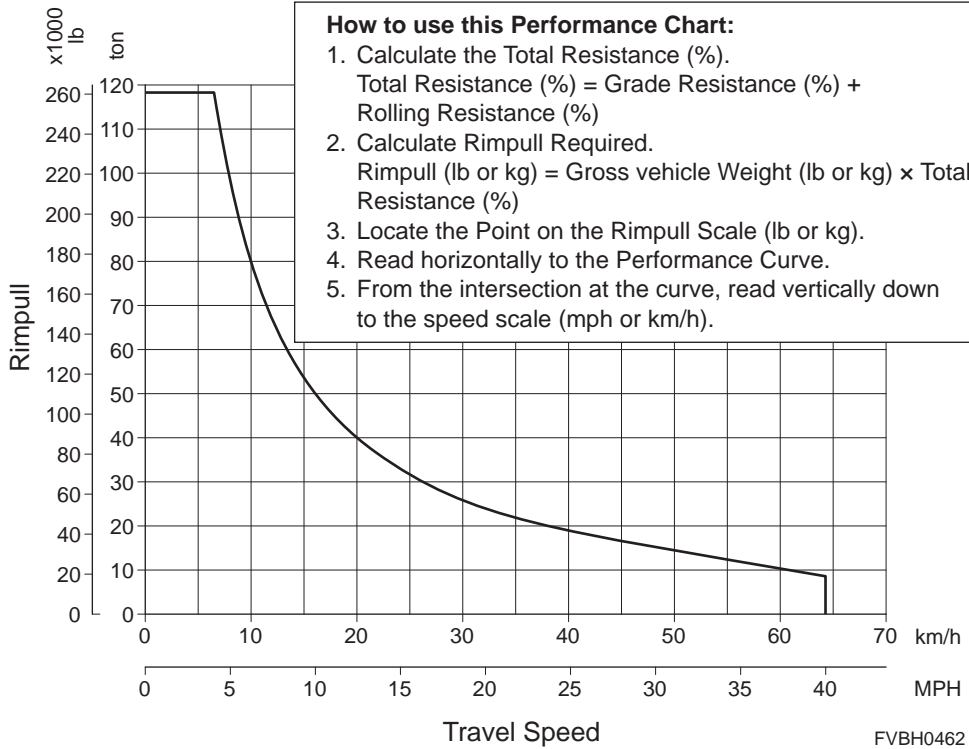
Travel performance



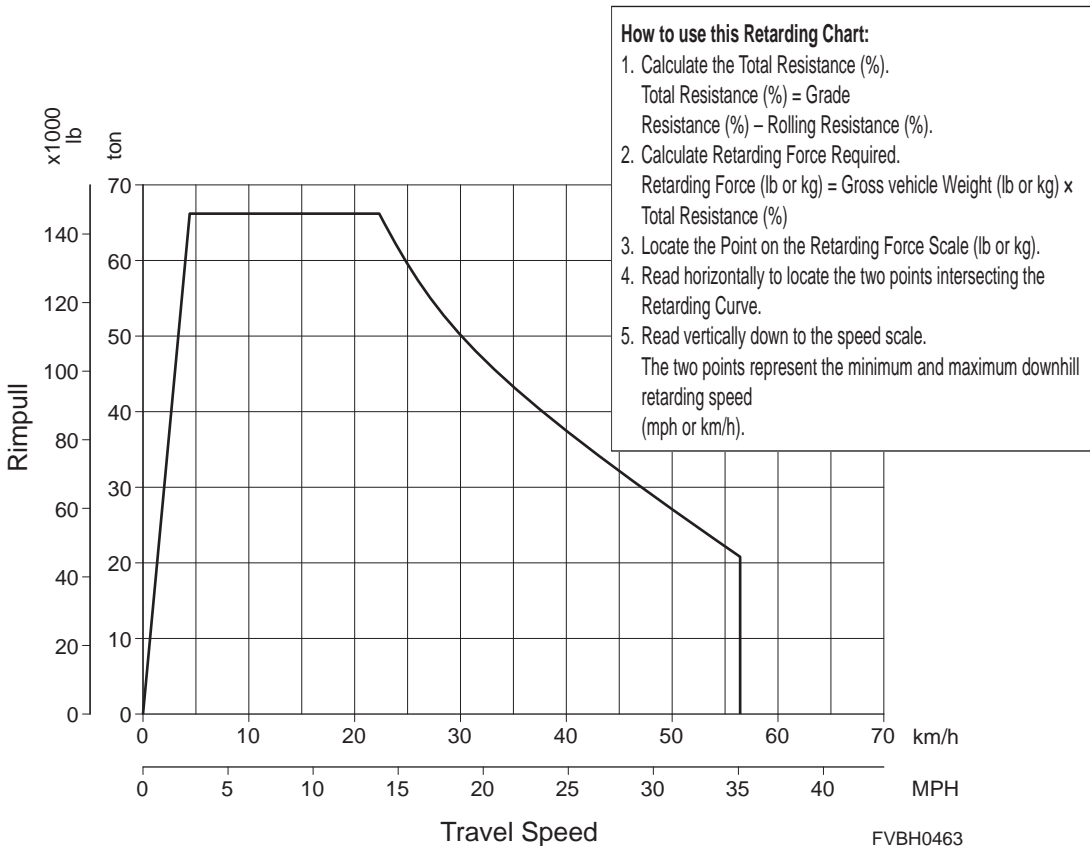
Brake performance



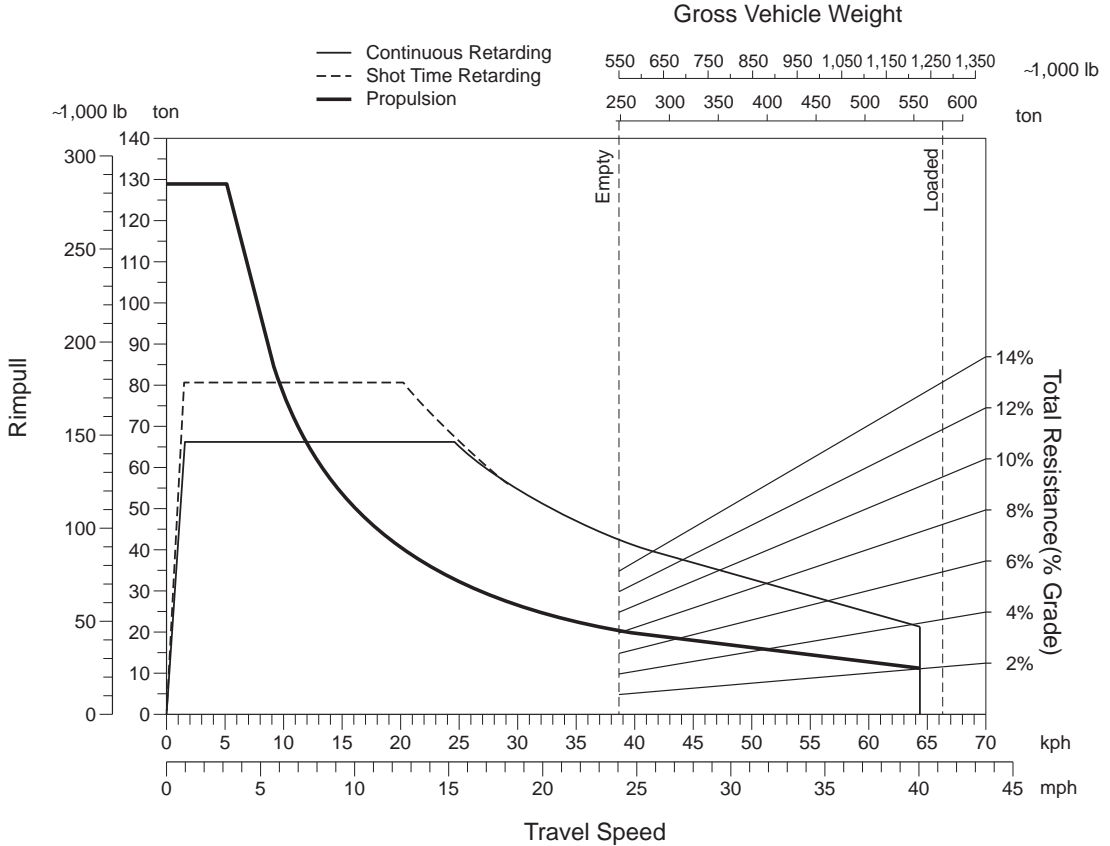
Travel performance



Brake performance



Travel and brake performance



FVBH0513

How to use this Performance Chart:

1. Calculate the Total Resistance (%).

$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} + \text{Rolling Resistance (\%)}$$
2. Calculate Rimpull Required.

$$\text{Rimpull (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

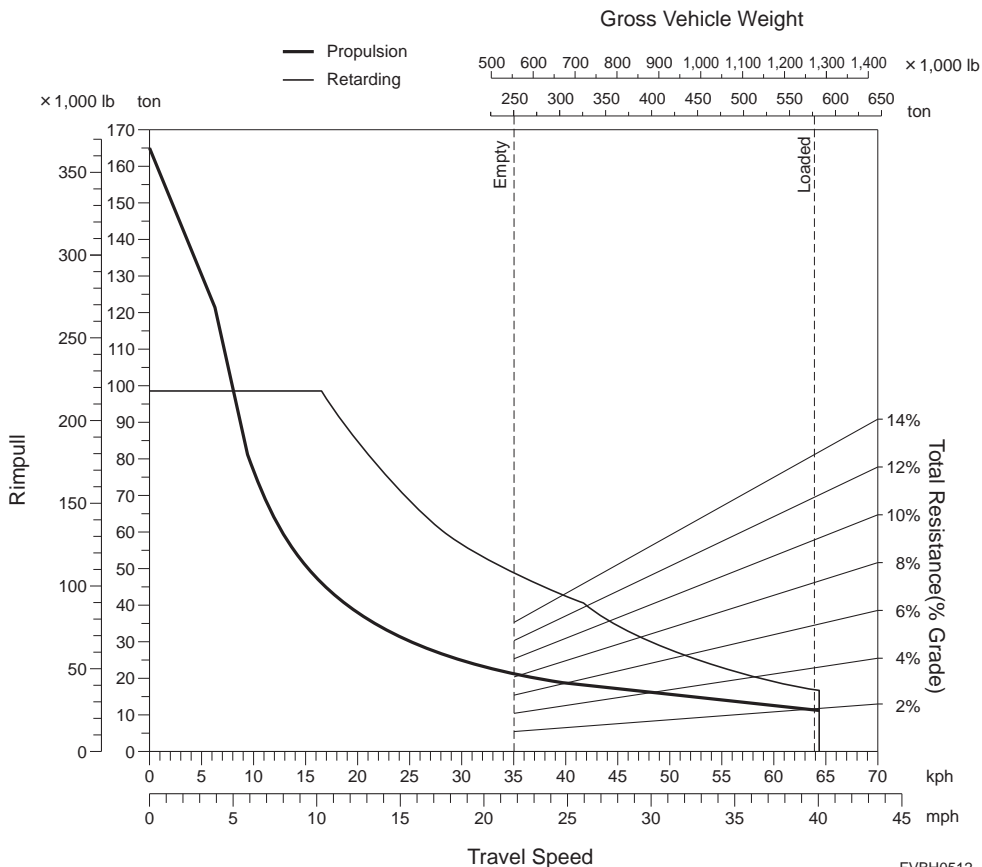
How to use this Retarding Chart:

1. Calculate the Total Resistance (%).

$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} - \text{Rolling Resistance (\%)}$$
2. Calculate Retarding Force Required.

$$\text{Retarding Force (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Retarding Force Scale (lb or kg).
4. Read horizontally to locate the two points intersecting the Retarding Curve.
5. Read vertically down to the speed scale.
 The two points represent the minimum and maximum downhill retarding speed (mph or km/h).

Travel and brake performance



FVBH0512

How to use this Performance Chart:

1. Calculate the Total Resistance (%).

$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} + \text{Rolling Resistance (\%)}$$
2. Calculate Rimpull Required.

$$\text{Rimpull (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

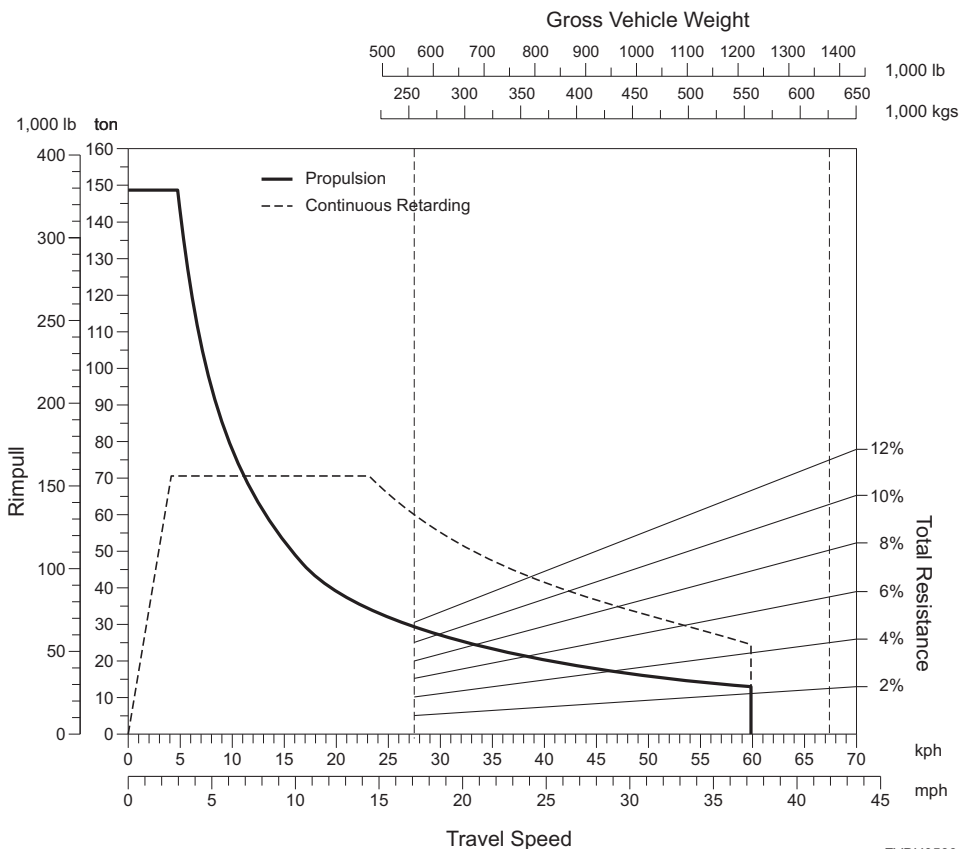
How to use this Retarding Chart:

1. Calculate the Total Resistance (%).

$$\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} - \text{Rolling Resistance (\%)}$$
2. Calculate Retarding Force Required.

$$\text{Retarding Force (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$$
3. Locate the Point on the Retarding Force Scale (lb or kg).
4. Read horizontally to locate the two points intersecting the Retarding Curve.
5. Read vertically down to the speed scale.
 The two points represent the minimum and maximum downhill retarding speed (mph or km/h).

Travel and brake performance



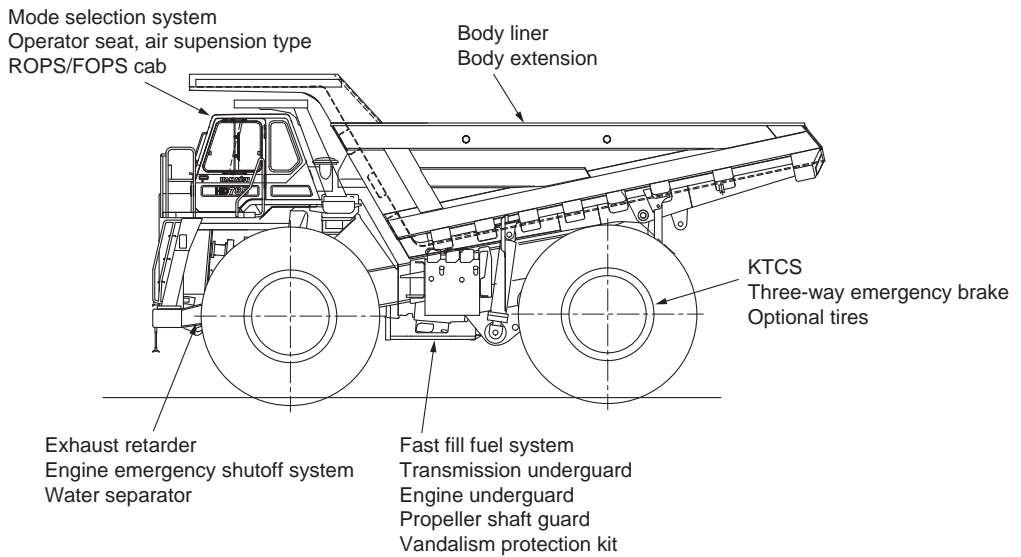
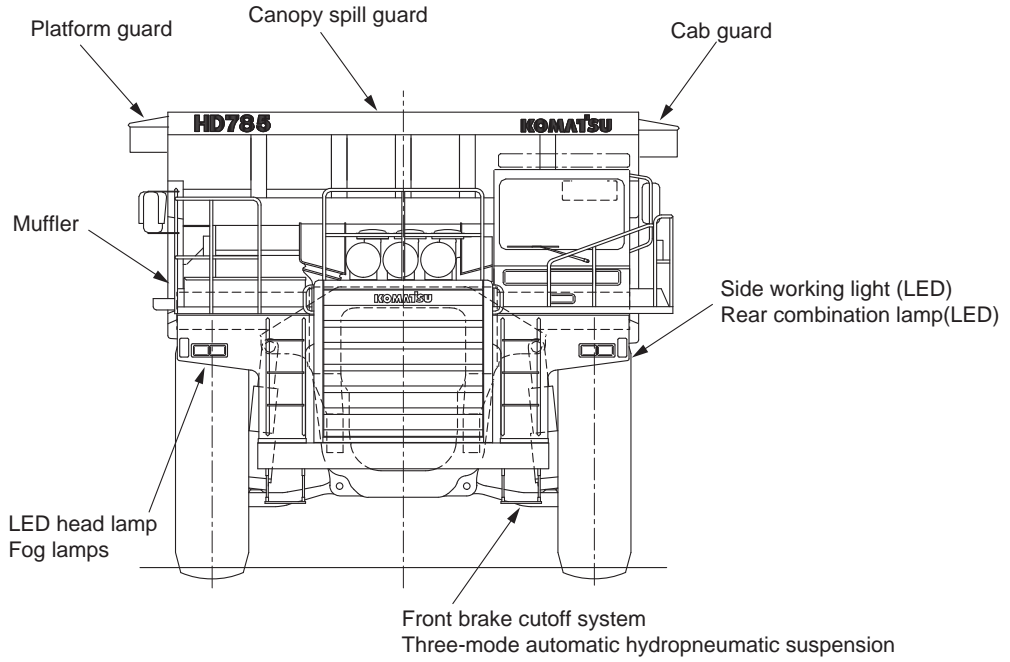
FVBH0589

How to use this Performance Chart:


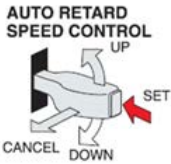


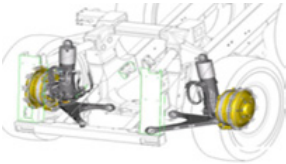
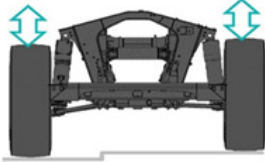
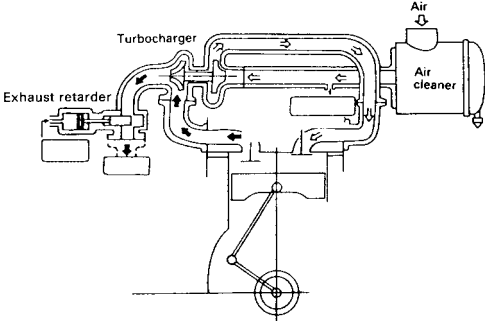

1. Calculate the Total Resistance (%).
 $\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} + \text{Rolling Resistance (\%)}$
2. Calculate Rimpull Required.
 $\text{Rimpull (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

How to use this Retarding Chart:

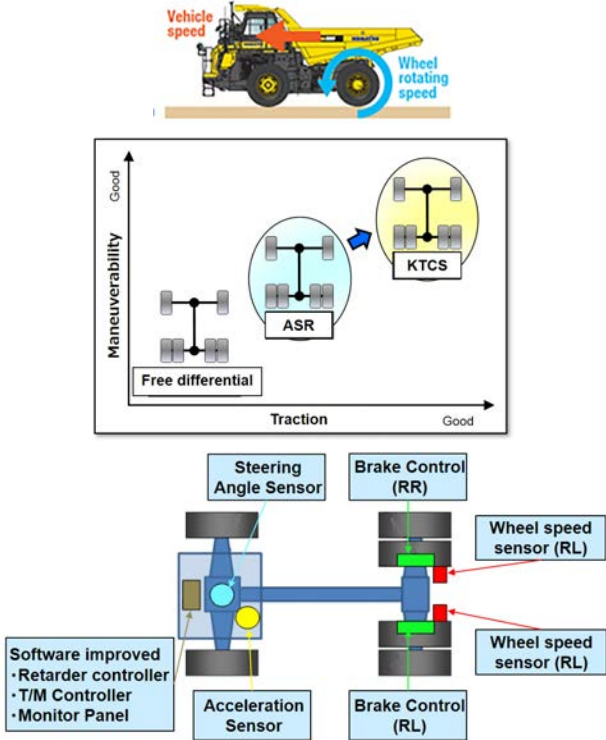
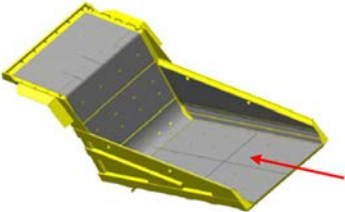

1. Calculate the Total Resistance (%).
 $\text{Total Resistance (\%)} = \text{Grade Resistance (\%)} - \text{Rolling Resistance (\%)}$
2. Calculate Retarding Force Required.
 $\text{Retarding Force (lb or kg)} = \text{Gross vehicle Weight (lb or kg)} \times \text{Total Resistance (\%)}$
3. Locate the Point on the Retarding Force Scale (lb or kg).
4. Read horizontally to locate the two points intersecting the Retarding Curve.
5. Read vertically down to the speed scale.
 The two points represent the minimum and maximum downhill retarding speed (mph or km/h).






Note: Not all features are available on all models at this time.

Description	Features
<p>Auto Retard Speed Control (ARSC)</p>  	<p>ARSC allows the operator to easily set the downhill travel speed and go down slopes at a constant speed. As a result, the operator can concentrate on steering. The speed can be set at an increment of 1 km/h by clicking the control lever (± 5 km/h max.) to adjust the downhill speed appropriate to the slope grade. (STD: HD325/405-8, HD465/605-8/7/7E0/7R, HD785-7, HD1500-8/7, OPT: HD325/405-7/7R)</p>
<p>Payload meter (PLM)</p>  <p>PLM lamp</p>  <p>PLM monitor</p>	<p>PLM is a tool to manage the payload of each hauling cycle and to analyze the production volume and the working conditions of the dump truck for a specified of time. Loaded weight is indicated on the payload display (on the LCD unit) and by the external display lamps in real time while loading. (STD: HD1500-8, OPT: All models without HD1500-8)</p>
<p>Three-mode automatic hydropneumatic suspension</p>  	<p>Suspension mode is automatically switched to one of three stages (soft, medium or hard) according to load and operating conditions, for a more comfortable and stable ride. (OPT: All models without HD1500-8/7)</p>
<p>Exhaust retarder</p> 	<ul style="list-style-type: none"> • Combination with the oil-cooled multiple disc retarder makes high-speed downhill travel possible, thereby improving working efficiency. • It is possible to increase the wear life of the service brake. <p>(OPT: HD785-7)</p>
<p>Front brake cut off system</p>	<p>The operation of the front brake can be cancelled with a switch. This is effective in preventing slipping on job sites where the road surface is poor. (STD: HD325/405-8/7/7R, HD465/605-8/7E0/7R)</p>
<p>Secondary brake (Three-way emergency brake)</p> 	<p>As an added measure of reliability, a secondary brake is standard. This system is operated by use of the left brake pedal and utilizes an independent hydraulic circuit to simultaneously apply the front and rear brakes and the parking brake.</p>

Note: Not all features are available on all models at this time.

Description	Features
<p>Komatsu Traction Control System (KTCS)</p> 	<p>KTCS continuously monitors the rear wheels' rotating speeds and the vehicle speed for detecting wheel slip. If the system detects excessive wheel slip, it automatically applies the brake to control wheel slip ratio and maintain optimum condition of tire traction. KTCS improves productivity and tire life more than the conventional ASR system. (STD: HD1500-8, OPT: HD325/405/465/605-8, HD785-7)</p>
<p>Body liner</p> 	<p>The purpose of installing liner plate is preventing wear or deformation of the body. (OPT: HD325-8/7/7R, HD405-8, HD465-8/7E0/7R, HD605-8, HD785-7, HD1500-8)</p>
<p>Body extension</p> 	<p>This option extends the side height of dump body. This option increases the body capacity for handling loads with a low specific gravity. It is also used to prevent spillage of load caused by adverse travel conditions (rough road surface, uphill slope, downhill slope and road with curves etc.). (OPT: HD325-8/7/7R, HD465-8/7E0/7R, HD785-7)</p>
<p>Platform guard (See 5A- 45)</p>	<p>This guard protects the right platform from rocks falling from the dump body. (STD: HD325/405/465/605-8, OPT: HD325/405-7/7R, HD465/605-7E0/7R, HD785-7)</p>
<p>Transmission under guard (See 5A- 45)</p>	<p>This guard protects the transmission oil pan from flying stones when traveling. (STD: HD325/405/465/605/1500-8, OPT: HD325/405-7/7R, HD465/605-7E0/7R, HD785-7)</p>
<p>Propeller shaft guard (See 5A- 45)</p>	<p>This guard prevents secondary damage if the propeller shaft is broken.</p>
<p>ROPS/FOPS cab (See 5A- 45)</p>	<p>These structure conform to ISO 3471 ROPS standard, and ISO 3449 FOPS standard.</p>

Note: Not all features are available on all models at this time.

Description	Features
<p>Radiator curtain</p> 	<p>The radiator curtain is installed to make the rise in water temperature faster when starting in cold areas, and to prevent overcooling. (OPT: HD465/605-7E0/7R, HD785-7, HD1500-8)</p>
<p>Muffler</p>  <p style="text-align: center;">With body heating With body heating</p>	<p>This can reduce the exhaust noise regardless of body raising. This muffler is available for users who do not require body heating. (OPT: All models without HD325/405/465/605-8)</p>
<p>Fast-fill fuel system</p> 	<p>A quick charge coupler to match the WIGGINS quick charge system is installed to the fuel tank. (The user must provide the pump unit.) (STD: HD325/405/465/605/1500-8, OPT: HD325/405-7/7R, HD465/605-7E0/7R, HD785-7)</p>
<p>Anti-lock Braking System (ABS)</p>	<p>This system prevents the tire lock under slippery condition while applying service brake and gives safety drive of the truck. (OPT: HD465/605-7E0/7R, HD785-7)</p>
<p>Automatic Spin Regulator (ASR)</p>	<p>Since ASR automatically prevents the rear wheels from slipping singly on soft ground, etc., proper drive force is obtained. (STD: HD1500-7, OPT: HD325/405-7/7R, HD465/605-7E0/7R, HD785-7)</p>

Note: Not all features are available on all models at this time.

TIRE SELECTION

Tire availability

Komatsu Dump Trucks employ the tubeless tire only.

Every tire size is classified into E3 or E4 codes.

Either E3 or E4 code had CR, GP or HR characteristics to meet specific operating conditions.

The relation between the tire characteristics and operating conditions is shown in the table.

Model	Tires size	Code	Remark
HD325-8	18.00 R33	E-3, E-4	
HD325-7 HD325-7R	18.00-33-32PR	E-3, E-4	
	18.00-33	E-3, E-4	
	18.00 R33	E-3, E-4	
HD405-8	21.00 R33	E-3, E-4	
HD405-7 HD405-7R	18.00 R33	E-3, E-4	
HD465-8	24.00 R33	E-3, E-4	
HD465-7E0	24.00-35-36PR	E-3, E-4	
HD465-7R	24.00 R35	E-3, E-4	
HD605-8	24.00 R35	E-3, E-4	
HD605-7E0 HD605-7R	24.00 R35	E-3, E-4	

Model	Tires size	Code	Remark
HD785-7	27.00 R49	E-3, E-4	
HD1500-8	33.00 R51	E-4	
HD1500-7	33.00 R51	E-4	
730E-8	37.00 R57	E-4	
830E-AC	40.00 R57	E-4	
	46/90 R57	E-4	
860E-1K	50/80 R57	E-4	
	50/90 R57	E-4	
930E-4	53/80 R63	E-4	
930E-4SE	53/80 R63	E-4	
960E-2	56/80 R63	E-4	
960E-2K	56/80 R63	E-4	
980E-4	59/80 R63	E-4	

NOTE: *When installing radial tires, please use the special rim for radial tire.

Tire characteristics and operating conditions

Characteristics	Haul Distance and Payload	Surface Condition							
		Rocks Scattered on Surface			Surface Ruggedness			Sub-base	
		Thin	Normal	Thick	Good	Normal	Bad	Normal	Soft
CR	Low TKPH (TMPH)		○	○		○	○	○	○
GP	Middle TKPH (TMPH)		○			○		○	
HR, SHRR	High TKPH (TMPH)	○			○			○	

TMPH RATING

Where the ambient temperature in an operating environment is high or where a long haul or high-speed drive is required, the standard tires are sometimes unsuitable because of their small TMPH.

Under the above operating conditions, it is recommended that the optimum tires be determined after obtaining TMPH by applying the formulas stated in the section 15 and referring to the following table.

NOTE: The TMPH rating is based on U.S. ton (not on metric ton)

$$\Delta \text{ TMPH} = \Delta \text{ TKPH} \div 1.46$$

TIRE SELECTION GUIDE FOR RIGID DUMP TRUCKS

Model	Tire size	Manufacturer*	TRA Code	Pattern	Type	Star Rating	TKPH (TMPH)	Inflation pressure kPa (kgf/cm ² PSI)	Structure	
HD325-7 HD325-7R HD325-8 HD405-7 HD405-7R	18.00 R33	BS	E4	VMTP	E2A	★2	185 (127)	700 (7.14/102)	Radial	
		BS	E4	VMTP	E1A	★2	229 (157)	700 (7.14/102)	Radial	
		BS	E4	VELS	E2A	★2	170 (116)	700 (7.14/102)	Radial	
		BS	E4	VELS	E1A	★2	211 (145)	700 (7.14/102)	Radial	
		BS	E4	VRQP	E2ALS	★2	122 (84)	700 (7.14/102)	Radial	
	18.00 R33	MC	E2	XV		C		436 (299)	600 (6.12/87)	Radial
		MC	E4	Xtra Load Grip		A4		194 (133)	700 (7.14/100)	Radial
		MC	E4	Xtra Load Grip		B		301 (206)	700 (7.14/100)	Radial
		MC	E4	Xtra Load Protect		A4		194 (133)	700 (7.14/100)	Radial
		MC	E4	Xtra Load Protect		B		301 (206)	700 (7.14/100)	Radial
HD405-8	21.00 R33	BS	E4	VMTP	E2A	★2	237 (162)	700 (7.14/102)	Radial	
		BS	E4	VMTP	E1A	★2	293 (201)	700 (7.14/102)	Radial	
		BS	E4	VRLS	E2A	★2	227 (155)	700 (7.14/102)	Radial	
	21.00 R33	MC	E4	X-Traction		A4		202 (138)	650 (6.63/94)	Radial
		MC	E4	X-Traction		B4		280 (192)	650 (6.63/94)	Radial
HD465-7E0 HD465-7R HD465-8 HD605-7E0 HD605-7R HD605-8	24.00 R35	BS	E4	VMTP	E2A	★2	314 (215)	700 (7.14/102)	Radial	
		BS	E4	VMTP	E1A	★2	388 (266)	700 (7.14/102)	Radial	
		BS	E4	VMTP	E3A	★2	453 (310)	700 (7.14/102)	Radial	
		BS	E4	VRLS	E2A	★2	314 (215)	700 (7.14/102)	Radial	
		BS	E4	VRLS	E1A	★2	388 (266)	700 (7.14/102)	Radial	
		BS	E4	VRLS	E3A	★2	453 (310)	700 (7.14/102)	Radial	
		BS	E4	VRQP	E2ALS	★2	207 (142)	700 (7.14/102)	Radial	
	24.00 R35	BS	E4	VRQP	E2A	★2	259 (177)	700 (7.14/102)	Radial	
		MC	E2	XV		C		740 (507)	650 (6.63/94)	Radial
		MC	E4	Xtra Load Grip		A4		320 (219)	700 (7.14/100)	Radial
		MC	E4	Xtra Load Grip		B		503 (345)	700 (7.14/100)	Radial
		MC	E4	Xtra Load Protect		A4		320 (219)	700 (7.14/100)	Radial
		MC	E4	Xtra Load Protect		B		503 (345)	700 (7.14/100)	Radial

* Tire maker BS: BRIDGESTONE
MC: MICHELIN

- NOTE1:** (1) The TKPH in the table is the value at 38°C (100°F) an ambient temperature. (The value as of February, 2000.)
When the distance for the round trip exceeds 5 km, the tire life is governed by the travel conditions, so check with the tire maker for details of the TKPH when selecting the tires.
(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.
(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

NOTE2: Some tires in the above table cannot be selected for some destinations.

Tire Selection

RIGID DUMP TRUCKS

Model	Tire size	Manufacturer*	TRA Code	Pattern	Type	Star Rating	TKPH (TMPH)	Inflation pressure kPa (kgf/cm ² PSI)	Structure
HD785-7	27.00 R49	BS	E2	VFT	E2A	★2	557 (382)	700 (7.14/102)	Radial
		BS	E2	VFT	E3A	★2	804 (551)	700 (7.14/102)	Radial
		BS	E4	VMTS	E2A	★2	486 (333)	700 (7.14/102)	Radial
		BS	E4	VMTS	E1A	★2	600 (411)	700 (7.14/102)	Radial
		BS	E4	VMTS	E3A	★2	702 (481)	700 (7.14/102)	Radial
		BS	E4	VMTP	E2A	★2	440 (301)	700 (7.14/102)	Radial
		BS	E4	VMTP	E1A	★2	544 (373)	700 (7.14/102)	Radial
		BS	E4	VMTP	E3A	★2	636 (436)	700 (7.14/102)	Radial
		BS	E4	VRLS	E2A	★2	415 (284)	700 (7.14/102)	Radial
		BS	E4	VRLS	E1A	★2	513 (351)	700 (7.14/102)	Radial
		BS	E4	VRLS	E3A	★2	600 (411)	700 (7.14/102)	Radial
		BS	E4	VREP	E2A	★2	457 (313)	700 (7.14/102)	Radial
		BS	E4	VREP	E1A	★2	564 (386)	700 (7.14/102)	Radial
		BS	E4	VREP	E3A	★2	660 (452)	700 (7.14/102)	Radial
		BS	E4	VRDP	E2A	★2	415 (284)	700 (7.14/102)	Radial
		BS	E4	VRDP	E1A	★2	513 (351)	700 (7.14/102)	Radial
		BS	E4	VRDP	E3A	★2	600 (411)	700 (7.14/102)	Radial
		BS	E4	VREV	E2A	★2	415 (284)	700 (7.14/102)	Radial
	BS	E4	VREV	E1A	★2	513 (351)	700 (7.14/102)	Radial	
	BS	E4	VREV	E3A	★2	600 (411)	700 (7.14/102)	Radial	
	27.00 R49	MC	E2	XV	C		1090 (747)	650 (6.63/94)	Radial
		MC	E4	X-Traction	A4		392 (269)	650 (6.63/94)	Radial
		MC	E4	X-Traction	B4		567 (388)	650 (6.63/94)	Radial
		MC	E4	X-Traction	B		654 (448)	650 (6.63/94)	Radial
		MC	E4	XDR2	A		392 (269)	650 (6.63/94)	Radial
		MC	E4	XDR2	B4		480 (329)	650 (6.63/94)	Radial
HD1500-7 HD1500-8	33.00 R51	BS	E3	VMT	E1A	★2	1018 (697)	700 (7.14/102)	Radial
		BS	E3	VMT	E3A	★2	1209 (828)	700 (7.14/102)	Radial
		BS	E4	VMTP	E2A	★2	591 (405)	700 (7.14/102)	Radial
		BS	E4	VMTP	E1A	★2	700 (479)	700 (7.14/102)	Radial
		BS	E4	VMTP	E3A	★2	832 (570)	700 (7.14/102)	Radial
		BS	E4	VRLS	E2A	★2	558 (382)	700 (7.14/102)	Radial
		BS	E4	VRLS	E1A	★2	679 (465)	700 (7.14/102)	Radial
		BS	E4	VRLS	E3A	★2	807 (553)	700 (7.14/102)	Radial
		BS	E4	VRDP	E2A	★2	558 (382)	700 (7.14/102)	Radial
		BS	E4	VRDP	E1A	★2	679 (465)	700 (7.14/102)	Radial
		BS	E4	VRDP	E3A	★2	807 (553)	700 (7.14/102)	Radial
		BS	E4	VRPS	E2A	★2	558 (382)	700 (7.14/102)	Radial
		BS	E4	VRPS	E1A	★2	679 (465)	700 (7.14/102)	Radial
		BS	E4	VRPS	E3A	★2	807 (553)	700 (7.14/102)	Radial
	33.00 R51	MC	E3	XDC	C4		1395 (956)	600 (6.12/87)	Radial
		MC	E4	XDT	A		682 (467)	600 (6.12/87)	Radial
		MC	E4	XDT	B		930 (637)	600 (6.12/87)	Radial
		MC	E4	XDR3	B4		620 (425)	600 (6.12/87)	Radial
		MC	E4	XDR3	B		744 (510)	600 (6.12/87)	Radial
		MC	E4	XDR3	C4		837 (573)	600 (6.12/87)	Radial

* Tire maker BS: BRIDGESTONE
MC: MICHELIN

- NOTE1:** (1) The TKPH in the table is the value at 38°C (100°F) an ambient temperature. (The value as of February, 2000.)
When the distance for the round trip exceeds 5 km, the tire life is governed by the travel conditions, so check with the tire maker for details of the TKPH when selecting the tires.
(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.
(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

NOTE2: Some tires in the above table cannot be selected for some destinations.

Tire Selection

RIGID DUMP TRUCKS

Model	Tire size	Manufacturer*	TRA Code	Pattern	Type	Star Rating	TKPH (TMPH)	Inflation pressure kPa (kgf/cm ² PSI)	Structure
730E-8	37.00 R57	BS	E4	VZTS	E2A	★2	694 (475)	700 (7.14/102)	Radial
		BS	E4	VZTS	E1A	★2	845 (579)	700 (7.14/102)	Radial
		BS	E4	VZTS	E3A	★2	1003 (687)	700 (7.14/102)	Radial
		BS	E4	VRLS	E2A	★2	694 (475)	700 (7.14/102)	Radial
		BS	E4	VRLS	E1A	★2	845 (579)	700 (7.14/102)	Radial
	37.00 R57	BS	E4	VRLS	E3A	★2	1003 (687)	700 (7.14/102)	Radial
		MC	E4	XDR3	B4		848 (581)	600 (6.12/87)	Radial
		MC	E4	XDR3	B		1018 (697)	600 (6.12/87)	Radial
		MC	E4	XDR3	C4		1145 (784)	600 (6.12/87)	Radial
	830E-AC	40.00 R57	MC	E4	XDR3	C		1272 (871)	600 (6.12/87)
BS			E3	VMT	E2A	★2	1204 (825)	700 (7.14/102)	Radial
BS			E3	VMT	E1A	★2	1463 (1002)	700 (7.14/102)	Radial
BS			E3	VMT	E3A	★2	1739 (1191)	700 (7.14/102)	Radial
BS			E4	VZTS	E2A	★2	773 (529)	700 (7.14/102)	Radial
BS			E4	VZTS	E1A	★2	940 (644)	700 (7.14/102)	Radial
BS			E4	VZTS	E3A	★2	1117 (765)	700 (7.14/102)	Radial
BS			E4	VELS	E2A	★2	773 (529)	700 (7.14/102)	Radial
BS			E4	VELS	E1A	★2	940 (644)	700 (7.14/102)	Radial
BS			E4	VELS	E3A	★2	1117 (765)	700 (7.14/102)	Radial
BS			E4	VRDP	E2A	★2	773 (529)	700 (7.14/102)	Radial
BS			E4	VRDP	E1A	★2	940 (644)	700 (7.14/102)	Radial
40.00 R57		BS	E4	VRDP	E3A	★2	1117 (765)	700 (7.14/102)	Radial
		BS	E4	VRPS	E2A	★2	773 (529)	700 (7.14/102)	Radial
		BS	E4	VRPS	E1A	★2	940 (644)	700 (7.14/102)	Radial
		BS	E4	VRPS	E3A	★2	1117 (765)	700 (7.14/102)	Radial
		MC	E3	XDC	B4		1632 (1118)	600 (6.12/87)	Radial
		MC	E3	XDC	B		1776 (1217)	600 (6.12/87)	Radial
		MC	E3	XDC	C4		1920 (1315)	600 (6.12/87)	Radial
		MC	E4	XDR3	MB4		960 (658)	600 (6.12/87)	Radial
860E-1K	50/80 R57	MC	E4	XDR3	MB		1152 (789)	600 (6.12/87)	Radial
		MC	E4	XDR3	MC4		1296 (888)	600 (6.12/87)	Radial
		MC	E4	XDR3	MC		1440 (986)	600 (6.12/87)	Radial
		MC	E4	XDR250	B4		1072 (734)	650 (6.63/94)	Radial
930E-4 930E-4SE	53/80 R63	MC	E4	XDR250	B		1286 (881)	650 (6.63/94)	Radial
		MC	E4	XDR250	C4		1447 (991)	650 (6.63/94)	Radial
		MC	E4	XDR250	C		1608 (1101)	650 (6.63/94)	Radial
		BS	E3	VRF	E1A	★2	1330 (911)	600 (6.12/87)	Radial
	53/80 R63	BS	E3	VRF	E3A	★2	1626 (1115)	600 (6.12/87)	Radial
		BS	E4	VRPS	E2A	★2	974 (667)	600 (6.12/87)	Radial
		BS	E4	VRPS	E1A	★2	1150 (788)	600 (6.12/87)	Radial
		BS	E4	VRPS	E3A	★2	1408 (964)	600 (6.12/87)	Radial
		MC	E4	XDR3	MB4		1320 (904)	600 (6.12/87)	Radial
		MC	E4	XDR3	MB		1584 (1085)	600 (6.12/87)	Radial
960E-2 960E-2K	56/80 R63	MC	E4	XDR3	MC4		1848 (1266)	600 (6.12/87)	Radial
		MC	E4	XDR3	MC		1980 (1356)	600 (6.12/87)	Radial
		MC	E4	XDR2	B4		1536 (1052)	600 (6.12/87)	Radial
		MC	E4	XDR2	B		1843 (1262)	600 (6.12/87)	Radial
		MC	E4	XDR2	MC4		2150 (1473)	600 (6.12/87)	Radial

* Tire maker BS: BRIDGESTONE
MC: MICHELIN

- NOTE1:** (1) The TKPH in the table is the value at 38°C (100°F) an ambient temperature. (The value as of February, 2000.)
When the distance for the round trip exceeds 5 km, the tire life is governed by the travel conditions, so check with the tire maker for details of the TKPH when selecting the tires.
(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.
(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

NOTE2: Some tires in the above table cannot be selected for some destinations.

Tire Selection

RIGID DUMP TRUCKS

Model	Tire size	Manufacturer*	TRA Code	Pattern	Type	Star Rating	TKPH (TMPH)	Inflation pressure kPa (kgf/cm ² PSI)	Structure
980E-4	59/80 R63	BS	E3	VRF	E1A	★2	1784 (1222)	600 (6.12/87)	Radial
		BS	E3	VRF	E3A	★2	2050 (1404)	600 (6.12/87)	Radial
		BS	E3	VRF	E1A	★2	1686 (1155)	600 (6.12/87)	Radial
		BS	E3	VRF	E3A	★2	1937 (1327)	600 (6.12/87)	Radial
		BS	E4	VRPS	E2A	★2	1228 (841)	600 (6.12/87)	Radial
		BS	E4	VRPS	E1A	★2	1515 (1038)	600 (6.12/87)	Radial
		BS	E4	VRPS	E3A	★2	1773 (1214)	600 (6.12/87)	Radial
		BS	E4	VRPS	E2A	★2	1160 (795)	600 (6.12/87)	Radial
		BS	E4	VRPS	E1A	★2	1431 (980)	600 (6.12/87)	Radial
	BS	E4	VRPS	E3A	★2	1675 (1147)	600 (6.12/87)	Radial	
	59/80 R63	MC	E4	XDR3	MB4				Radial
		MC	E4	XDR3	MB				Radial
		MC	E4	XDR3	MC4		2218 (1519)	600 (87)	Radial

* Tire maker BS: BRIDGESTONE
 MC: MICHELIN

NOTE1: (1) The TKPH in the table is the value at 38°C (100°F) an ambient temperature. (The value as of February, 2000.)
 When the distance for the round trip exceeds 5 km, the tire life is governed by the travel conditions, so check with the tire maker for details of the TKPH when selecting the tires.

(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.

(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

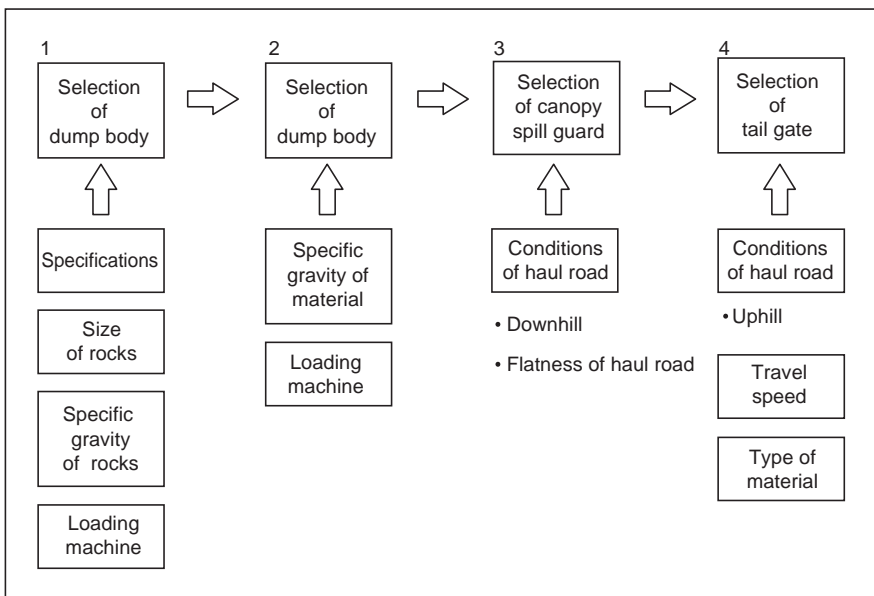
NOTE2: Some tires in the above table cannot be selected for some destinations.

1. Body selection

When selecting a dump body, it is necessary to consider the size of rocks, specific gravity of loaded materials, loading machine types, etc.

The chart below shows how to select the optimum dump body.

If similar dump trucks are working at specific job sites, check the dump body types used there to help make selection.



2. Features of each dump body

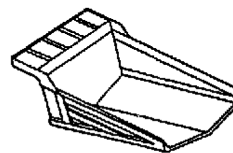
1) Liner-less body

[Features]

- The standard dump body is suitable for job sites where soil and sand is loaded. However, attach liners in advance for job sites where excessive wear is expected.
- Liners are not preinstalled.

[Application]

- Hauling of soil and sand.



2) Rock body

[Features]

- The rock dump body is suitable for loading blasted rock in quarries, limestone mines, civil engineering sites, etc.
- The entire surface of inner dump body is lined steel liners.

[Application]

- Hauling rocks



			Liner-less body	Rock body
Body selection point	Durability of body		○	◎
	Operator comfort at loading		○	○
Propriety by loading machines	Wheel loader	Standard for size of rocks	Shock	○
			Below 0.5 m or 0.16 ton	●
			Below 1.0 m or 1.3 ton	X
	Hydraulic excavator		Below 1.5 m or 4.4 ton	X
			Below 0.5 m or 0.16 ton	●
			Below 1.0 m or 1.3 ton	▲
		Below 1.5 m or 4.4 ton	X	

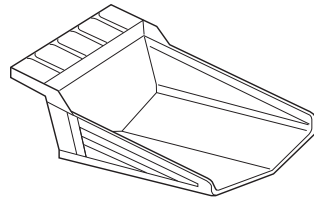
Remarks ○ : Ordinary ◎ : Excellent
 ● : Best X : Prohibited
 ▲ : Possible when loading height is lower than body top end.

3) Dump body for quarry (standard)**[Features]**

- Large capacity dump body with increased strength is suitable for quarries.
- Ultra hard wear-resistant steel plate is employed for increased hardness.
- Suitable for job sites where the liner replacement interval is longer than 12,000 hours.

[Application]

- Hauling of limestone
- Hauling of soil and sand
- Hauling of soil containing rock



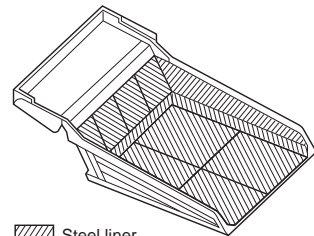
FVBH0491

4) Dump body with full liners (except sides) for quarry (option)**[Features]**

- Suitable for job sites where the principal work is hauling of rock and the liner replacement interval is shorter than 8,000 hours.

[Application]

- Hauling of small to medium size rock (1 m (3'3") maximum)
- Hauling of rock that is hard to crush



FVBH0493

3. Available body

Model		HD325-8 HD325-7 HD325-7R		HD405-8			HD405-7 HD405-7R
Body type		Standard body	Rock body	Standard body	Rock body	Quarry body	Quarry body
Steel liner		○	●	—	●	—	—
Body extension	200 mm (7.9")	○	○	—	—	—	—
Additional canopy spill guard total height	150 mm (5.9")	○	○	○	○	○	○
	250 mm (9.8")	○	○	○	○	○	○

Model		HD465-8 HD465-7E0 HD465-7R		HD605-8	HD605-7E0 D605-7R
Body type		Standard body	Rock body	Quarry body	Quarry body
Steel liner		○	●	○	—
Body extension	200 mm (7.9")	○	○	—	—
Additional canopy spill guard total height	150 mm (5.9")	●	●	●	●
	300 mm (11.8")	○	○	○	○

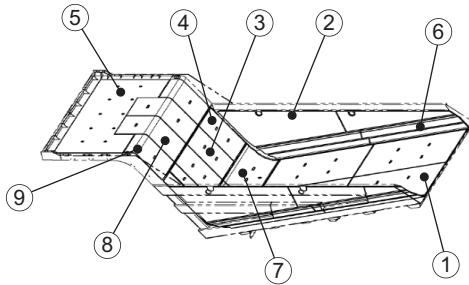
Model		HD785-7			HD1500-8		
Body type		Standard body	Rock body	Light weight body	Standard body	Rock body	94m ³ (123yd ³) body
Steel liner		○	●	—	—	●	—
Body extension	200 mm (7.9")	○	○	—	—	—	—
	670 mm (2'2")	—	—	—	—	—	—
Additional canopy spill guard total height	130 mm (5.1")	—	—	—	—	—	—
	200 mm (7.9")	●	●	●	●	●	●
	500 mm (1'9")	○	○	○	—	—	—

Model		HD1500-7
Body type		Standard body
Steel liner		—
Body extension	200 mm (7.9")	—
	670 mm (2'2")	○
Additional canopy spill guard total height	130 mm (5.1")	●
	200 mm (7.9")	—
	500 mm (1'9")	—

Remarks ● :Standard equipment for applicable body
 ○ :Optionally available
 — :Not available

4. Liner thickness of rock body and weight

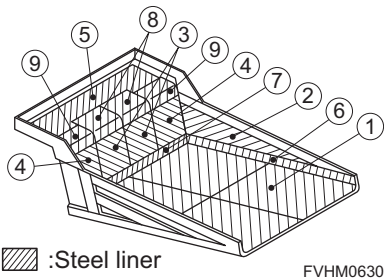
HD325-8



Unit: mm (in)

Model		HD325-8
Body		Rock body
1	Bottom plate	12 (0.47)
2	Side plate	9 (0.35)
3	Front plate (center)	9 (0.35)
4	Front plate (side)	9 (0.35)
5	Canopy top plate	9 (0.35)
6	Corner (bottom-side)	9 (0.35)
7	Corner (bottom-front)	9 (0.35)
8	Canopy corner (center)	9 (0.35)
9	Canopy corner (side)	9 (0.35)
Liner weight kg (lb)		2864 (6,314)

HD325-7/7R

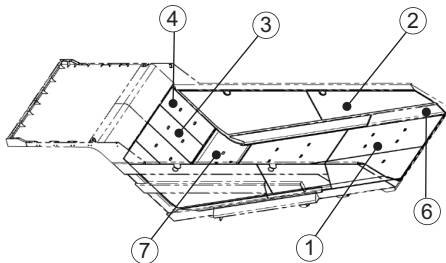


FVHM0630

Unit: mm (in)

Model		HD325-7/7R
Body		Rock body
1	Bottom plate	19 (0.75)
2	Side plate	12 (0.47)
3	Front plate (center)	16 (0.63)
4	Front plate (side)	12 (0.47)
5	Canopy top plate	9 (0.35)
6	Corner (bottom-side)	12 (0.47)
7	Corner (bottom-front)	12 (0.47)
8	Canopy corner (center)	16 (0.63)
9	Canopy corner (side)	12 (0.47)
Liner weight kg (lb)		4235 (9,340)

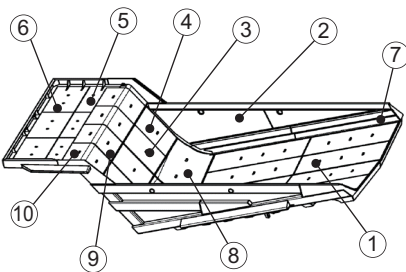
HD405-8



Unit: mm (in)

Model		HD405-8
Body		Rock body
1	Bottom plate	12 (0.47)
2	Side plate	9 (0.35)
3	Front plate (center)	9 (0.35)
4	Front plate (side)	9 (0.35)
5	Canopy top plate	—
6	Corner (bottom-side)	9 (0.35)
7	Corner (bottom-front)	9 (0.35)
8	Canopy corner (center)	—
9	Canopy corner (side)	—
Liner weight kg (lb)		2356 (5,190)

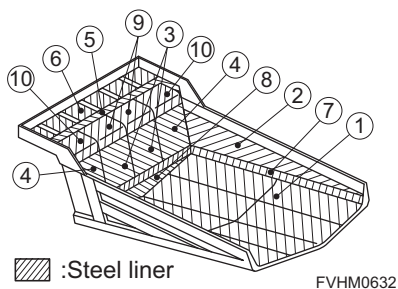
HD465-8



Unit: mm (in)

Model		HD465-8
Body		Rock body
1	Bottom plate	19 (0.75)
2	Side plate	12 (0.47)
3	Front plate (center)	16 (0.63)
4	Front plate (side)	12 (0.47)
5	Canopy top plate	9 (0.35)
6	Canopy top plate (front)	6 (0.24)
7	Corner (bottom-side)	12 (0.47)
8	Corner (bottom-front)	16 (0.63)
9	Canopy corner (center)	16 (0.63)
10	Canopy corner (side)	12 (0.47)
Liner weight kg (lb)		5290 (11,660)

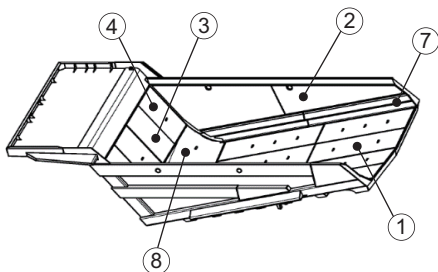
HD465-7E0/R



Unit: mm (in)

Model		HD465-7E0/R
Body		Rock body
1	Bottom plate	19 (0.75)
2	Side plate	12 (0.47)
3	Front plate (center)	16 (0.63)
4	Front plate (side)	12 (0.47)
5	Canopy top plate	9 (0.35)
6	Canopy top plate (front)	6 (0.24)
7	Corner (bottom-side)	12 (0.47)
8	Corner (bottom-front)	12 (0.47)
9	Canopy corner (center)	16 (0.63)
10	Canopy corner (side)	12 (0.47)
Liner weight kg (lb)		5210 (11,490)

HD605-8

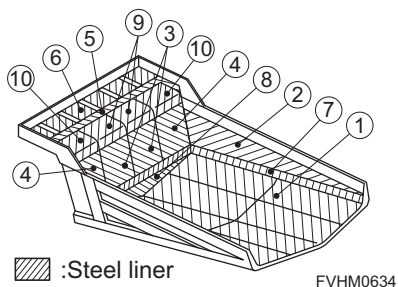


Unit: mm (in)

Model		HD605-8
Body		Quarry body
1	Bottom plate	19 (0.75)
2	Side plate	12 (0.47)
3	Front plate (center)	16 (0.63)
4	Front plate (side)	12 (0.47)
5	Canopy top plate	—
6	Canopy top plate (front)	—
7	Corner (bottom-side)	12 (0.47)
8	Corner (bottom-front)	16 (0.63)
9	Canopy corner (center)	—
10	Canopy corner (side)	—
Liner weight kg (lb)		4850 (10,690)

HD785-7

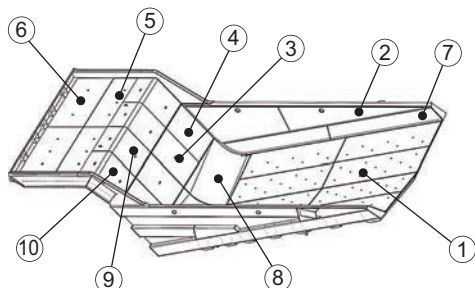
Rock body



Unit: mm (in)

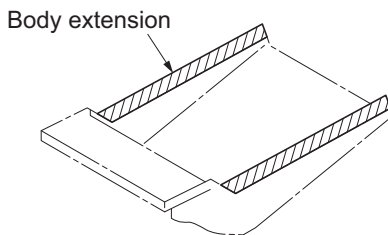
Model		HD785-7
Body		Rock body
1	Bottom plate	19 (0.75)
2	Side plate	12 (0.47)
3	Front plate (center)	16 (0.63)
4	Front plate (side)	12 (0.47)
5	Canopy top plate	9 (0.35)
6	Canopy top plate (front)	6 (0.24)
7	Corner (bottom-side)	12 (0.47)
8	Corner (bottom-front)	12 (0.47)
9	Canopy corner (center)	16 (0.63)
10	Canopy corner (side)	12 (0.47)
Liner weight kg (lb)		7895 (17,405)

HD1500-8



Unit: mm (in)

Model		HD1500-8
Body		Rock body
1	Bottom plate	19 (0.75)
2	Side plate	12 (0.47)
3	Front plate (center)	16 (0.63)
4	Front plate (side)	12 (0.47)
5	Canopy top plate	9 (0.35)
6	Canopy top plate (front)	6 (0.24)
7	Corner (bottom-side)	12 (0.47)
8	Corner (bottom-front)	12 (0.47)
9	Canopy corner (center)	16 (0.63)
10	Canopy corner (side)	12 (0.47)
Liner weight kg (lb)		9240 (20,370)



FVHM0636

5. Body extension selection

Body extension and specifications

Item		Model	HD325-8	HD325-7 HD325-7R	HD405-8	HD405-7 HD405-7R	HD465-8 HD465-7E0 HD465-7R
		Standard	Standard	Standard	Standard	Standard	
Body type			Standard	Standard	Standard	Standard	Standard
Without body extension	Body capacity m ³ Struck/heaped (yd ³)		16.9/24.0 (22.1/31.4)	18.0/24.0 (23.5/31.4)	20.0/27.3 (26.2/35.7)	20.0/27.3 (26.2/35.7)	25.0/34.2 (32.7/44.7)
	Loading height mm (ft.in)		3260 (10'8")	3220 (10'7")	3575 (11'9")	3450 (11'4")	3600 (11'10")
200 mm (7.9") extension	Body capacity m ³ Struck/heaped (yd ³)		20.3/27.2 (26.6/35.6)	20.0/27.0 (26.2/35.3)	—	—	29.0/37.5 (37.9/49.1)
	Loading height mm (ft.in)		3460 (11'4")	3420 (11'3")	—	—	3800 (12'6")
670 mm (2'2") extension	Body capacity m ³ Struck/heaped (yd ³)		—	—	—	—	—
	Loading height mm (ft.in)		—	—	—	—	—
Installed tire size			18.00 R33	18.00-33	21.00-R33	18.00-R33	24.00-R35

Item		Model	HD605-8 HD605-7E0 HD605-7R	HD785-7	HD1500-8		HD1500-7
		Standard	Standard	Standard	94m ³ body	Standard	
Body type			Standard	Standard	Standard	94m ³ body	Standard
Without body extension	Body capacity m ³ Struck/heaped (yd ³)		29.0/40.0 (37.9/52.3)	40.0/60.0 (52.3/78.5)	50.0/78.0 (65.4/102)	65.0/94.0 (85.0/123)	54.0/78.0 (70.6/102)
	Loading height mm (ft.in)		3860 (12'8")	4285 (14'1")	5070 (16'8")	5070 (16'8")	4965 (16'3")
200 mm (7.9") extension	Body capacity m ³ Struck/heaped (yd ³)		—	46.0/66.0 (60.2/86.3)	—	—	—
	Loading height mm (ft.in)		—	4485 (14'9")	—	—	—
670 mm (2'2") extension	Body capacity m ³ Struck/heaped (yd ³)		—	—	—	—	79.0/91.0 (103.3/119)
	Loading height mm (ft.in)		—	—	—	—	5635 (18'6")
Installed tire size			24.00 R35	27.00 R49	33.00 R51	33.00 R51	33.00 R51

Body extension selection table

HD325-8

		Body capacity m ³ (yd ³)	Specific gravity (Loose condition)																		
			1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	US ton/m ³								
			0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	ton/m ³							
Standard body		24.0 (31.4)																			
Extension	200 mm (7.9")	27.2 (35.6)																			

HD465-8

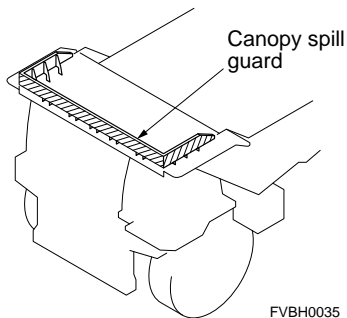
		Body capacity m ³ (yd ³)	Specific gravity (Loose condition)																		
			1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	US ton/m ³								
			0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	ton/m ³							
Standard body		34.2 (44.7)																			
Extension	200 mm (7.9")	37.5 (49.1)																			

HD785-7

		Body capacity m ³ (yd ³)	Specific gravity (Loose condition)																		
			1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	US ton/m ³								
			0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	ton/m ³							
Standard body		60.0 (78.5)																			
Extension	200 mm (7.9")	66.0 (86.3)																			

FVBH0269

6. Canopy spill guard selection



Canopy spill guards and specifications selections

Item		Model		HD325-8	HD325/405-7 HD325/405-7R	HD405-8	HD465-8
		Mounting method	—	Welded	Welded	Welded	Welded (150 mm)
Standard body canopy spill guard total height	—	Overall height	mm (ft.in)	4185 (13'9")	4000 (13'2")	4255 (14'0")	4400 (14'5")
		Additional canopy spill guard total height	150 mm (5.9")	Mounting method	—	Bolt-on	Bolt-on
Overall height	mm (ft.in)			4240 (13'11")	4150 (13'7")	4310 (14'2")	—
	250 mm (9.8")	Mounting method	—	Bolt-on	Bolt-on	Bolt-on	—
		Overall height	mm (ft.in)	4340 (14'3")	4250 (13'11")	4410 (14'6")	—
	300 mm (11.8")	Mounting method	—	—	—	—	Welded
		Overall height	mm (ft.in)	—	—	—	4550 (14'11")

Item		Model		HD465/605-7E0 HD465/605-7R	HD605-8	HD785-7	HD1500-8
		Mounting method	—	Welded (150 mm)	Welded (150 mm)	Welded (200 mm)	Welded (200 mm)
Standard body canopy spill guard total height	—	Overall height	mm (ft.in)	4400 (14'5")	4400 (14'5")	5050 (16'7")	6180 (20'3")
		Additional canopy spill guard total height	300 mm (11.8")	Mounting method	—	Welded	Welded/Bolt-on
Overall height	mm (ft.in)			4550 (14'11")	4550 (14'11")	—	—
	500 mm (19.7")	Mounting method	—	—	—	Welded	—
		Over all height	mm (ft.in)	—	—	5350 (17'7")	—

Item		Model		HD1500-7			
		Mounting method	—	Welded (130 mm)			
Standard body canopy spill guard total height	—	Over all height	mm (ft.in)	5850 (19'2")			

SECTION **5B**

ARTICULATED DUMP TRUCKS

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HM400-3M0, HM400-3R 5B-19

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Body Selection 5B-23

Ecology Features

EPA Tier 4 Final and EU Stage 4 emissions certified engine

NOTE: For details, see the page of engine features (Section 12)

EPA Tier 4 Interim and EU Stage 3B emissions certified engine

NOTE: For details, see the page of engine features (Section 12)

ecot3 (EPA Tier 3, EU Stage 3A certified engine)

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.

With this “Komatsu Technology”, and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.

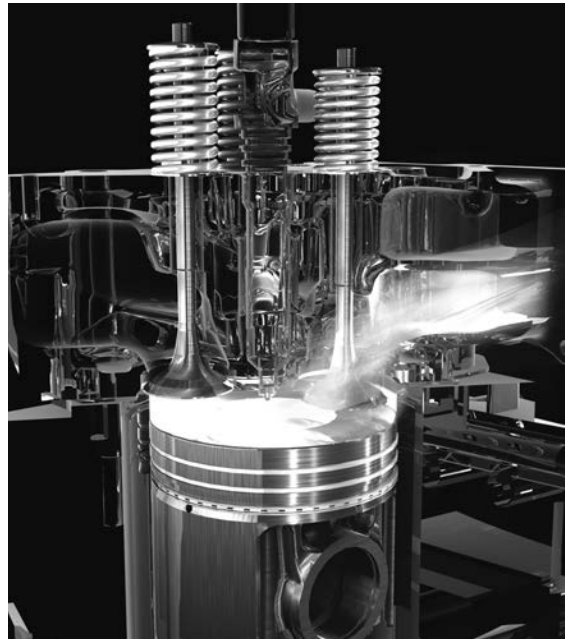
The result is a new generation of high performance and environment friendly machines.



Fuel efficient electronic controlled engine

The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection System (CRI) and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance.

To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.



■ High Productivity

● **Komatsu Traction Control System (KTCS)**

The KTCS was developed by Komatsu to allow for maximum machine performance in soft and slippery ground conditions.

Komatsu leveraged its prior experience with the traction control systems in bulldozers and rigid dump trucks to develop this system for use in articulated dump trucks.

The KTCS monitors the wheel speeds on the front and middle axles. If the system detects wheel slip, it will automatically engage the inter axle lock to improve machine performance.

If the machine continues to detect wheel slip it will brake the wheel that slip was detected on. It continually monitors wheel speeds and engages the brakes as necessary.

KTCS is automatically activated and deactivated. The inter-axle lock can also be engaged by the operator via a rocker switch located on the dash panel.

● **Large Capacity Body and Box Section Frame Structure**

The body is built of high strength, wear-resistant steel with a Brinell hardness of 400 and the body shape provides excellent load stability. ADT's frame employs a rigid box structure utilizing high tensile strength steel - rugged enough for the toughest jobs.

● **Articulated Steering**

Fully hydraulic articulated steering offers low-effort operating performance and maneuverability. Small minimum turning radius provides the freedom to move about in confined areas.

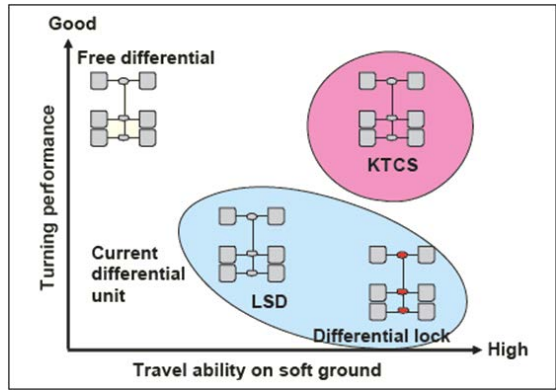
● **Komatsu Designed Electronically Controlled Transmission**

The Komatsu designed, electronically controlled K-ATOMiCS transmission has been a success in Komatsu's dump trucks.

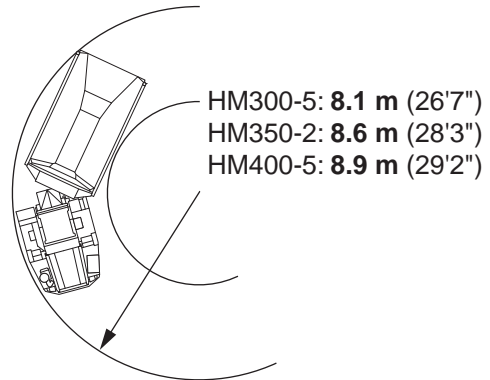
The electronic clutch modulation system ensures proper clutch pressure when the clutch is engaged.

The system controls both the engine and the transmission by monitoring the vehicle conditions. This advanced system assures smooth shifts with minimal shock and maximizes the power train life.

Note: Not all features are available on all models at this time.



High performance on soft ground



- **Fully Hydraulically Controlled Wet Multiple-disc Brakes and Retarder**

Wet multiple-disc brakes with proven performance in other Komatsu dump trucks are tailored for use in Komatsu ADT.

The large-capacity, continuously cooled, wet-multiple disc brakes also function as a highly responsive retarder which gives the operator greater confidence at higher speeds when travelling downhill.

Retarder Absorbing Capacity (continuous descent):

HM300-5: 392kW 526HP

HM400-5: 510kW 684HP

- **Comfortable Operator Environment**

- **Ergonomically Designed Cab**

Ergonomically designed curved dashboard allows switches to be arranged so that they are in easy reach of the operator.



- **Viscous Cab Mounts**

The large cab is mounted with Komatsu's unique ROPS/FOPS viscous mounts. The low-noise engine, hydraulically driven fan, and hydraulic pumps are mounted with rubber cushions, and the cab sealing is designed to provide a quiet, low vibration, dustproof, and comfortable operating environment.

e.g. HM400-5

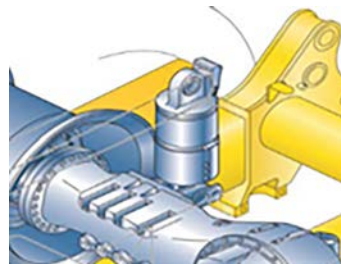
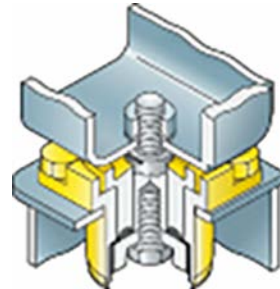
Operator's ear noise (ISO6396) 72 dB (A)

Dynamic noise level (outside) 110 dB (A)

- **Hydropneumatic Suspension for All Terrain**

The front axle hydro-pneumatic suspension employs "De Dion" type design, allowing the machine to ride more smoothly over rough terrain. The rear-axles are mounted on a dynamic equalizer structure equipped with hydro-pneumatic suspension.

The entire suspension system delivers a comfortable ride and maximizes productivity.



Note: Not all features are available on all models at this time.

● **Air Suspension Seat**

The heated, air suspension, fabric covered seat is adjustable to the operator’s weight and is provided standard.

The air suspension seat dampens vibrations transmitted from the machine and reduces operator fatigue.

The seat is heated for operator comfort.

● **Electric Body Dump Control Lever**

The control lever is short in travel and can be operated with a light effort. A “Kick-out function” eliminates a need to hold the lever in “raise” position.

Furthermore, body seating shock is significantly reduced because a sensor detects the body just before seating on the frame and reduces the lowering speed.

● **Supplementary Steering and Secondary Brakes**

Supplementary steering and secondary brakes are standard features.

● **Steering Wheel and Pedals**

Low effort pedals reduce driver fatigue when working continuously for long periods. The tiltable, telescoping steering column enables operators to maintain the optimum driving position at all times.



■ **Easy Maintenance**

● **Tiltable Cab**

The cab can be tilted rearward by 27 degrees to provide easy access to the engine and transmission for service.



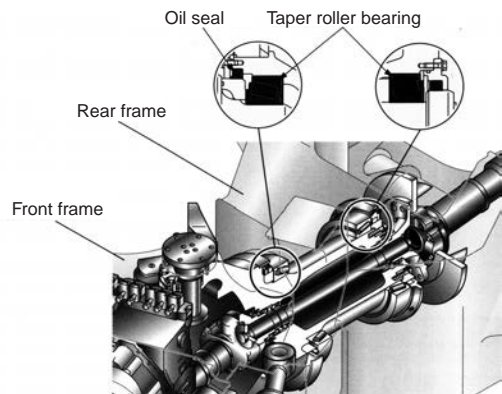
● **Extended Service Intervals**

In order to minimize operating costs service intervals have been extended.

- Engine oil: 500 hours
- Transmission oil: 1000 hours
- Engine & transmission filters: 500 hours

● **Fewer Grease Points**

We have minimized the number of grease points by using maintenance-free rubber bushings and a lubrication-free oscillating hitch.



Note: Not all features are available on all models at this time.

- **Ground Access to Filters**

The oil filters of the transmission and the brake systems can be serviced from ground level.



- **Battery Disconnect Switch**

For machine service work a ground level battery disconnect switch is standard on the HM300-5/3 and HM400-5/3/3M0/3R.

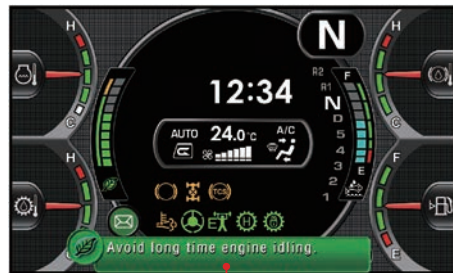


- **Information & communication technology**

- **ECO guidance**

The energy saving operation is supported by "ECO Guidance" in real time.

This new model is equipped advanced ICT (Information & Communication Technology) devices such as multiple-purpose color monitor panel, which also provide the operator with energy saving machine operation guidance.



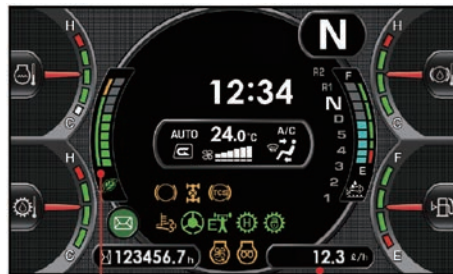
ECO guidance

- **ECO gauge**

The ECO gauge indicates the fuel consumption rate at the moment during operation.

Operating the machine by keeping the gauge within the green zone leads to the energy-saving operation.

* Fuel consumption rate depends on the work load and accelerator pedal operation.



ECO gauge

Fuel consumption gauge

- **Energy saving operation guide & report**

The operator can check the operation record, ECO Guidance record, and fuel consumption record.

The Operation Records indicates today's operation status of the machine.

The ECO Guidance Records displays the number of occurrences of each guidance message.

During operation, it is requested to reduce the number of occurrences of each guidance message in order to achieved energy-saving operation.

The Average Fuel Consumption Logs graph the fuel consumption for recent 12 hours (based on service meter reading) and daily fuel consumption in the previous one week.



Average fuel consumption logs

Note: Not all features are available on all models at this time.

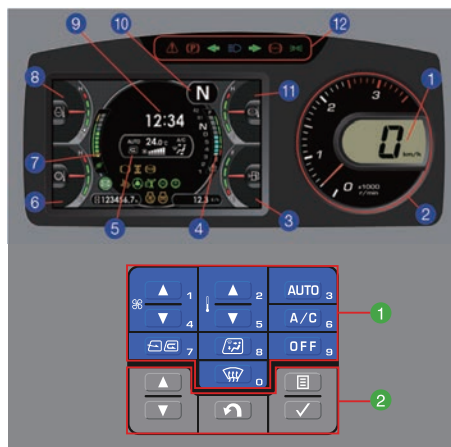
■ Machine monitor

The machine monitor displays various machine information and allows for various settings of the machine.

The LCD unit is a 7-inch color TFT-LCD and displays maintenance information, operation record, ECO guidance record, etc.

The switch panel is used to select various LCD unit screens and the air conditioner control screen.

By using the switch panel, you can display various user menus on the LCD unit screen and perform the settings of the machine.



Machine monitor

- | | |
|--|------------------------------------|
| 1 Speed meter | 7 ECO gauge |
| 2 Engine tachometer | 8 Engine coolant temperature gauge |
| 3 Fuel gauge | 9 Clock |
| 4 DEF level gauge | 10 Shift indicator |
| 5 Air conditioner display | 11 Retarder oil temperature gauge |
| 6 Torque converter oil temperature gauge | 12 LED indicator |

Switch panel

- | | |
|--|---------------------|
| 1 Air conditioner switches / Numeral key pad | 2 Function switches |
|--|---------------------|

■ Safety Features

● Access Safety

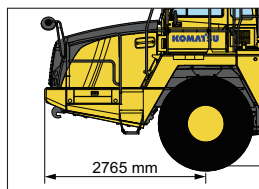
A spike type hubbly-faced antiskid plate is used for boarding the Komatsu ADT(excluded HM350).

A guard rail around the engine hood has been added.

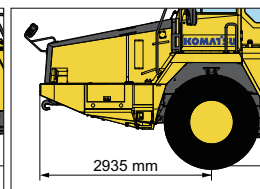


● Short Nose

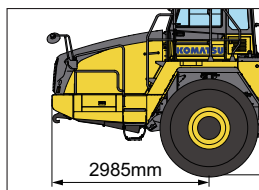
New layout of the cooling system allows for a shorter nose shape compared to the previous model increasing the field of view to the operator.



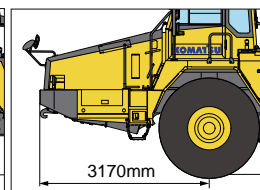
HM300-5/3



HM300-2



HM400-5/3/3M0/3R



HM400-2

Note: Not all features are available on all models at this time.

- **Color Rear View Camera and Monitor**

The new color rear view camera & monitor are equipped as standard.



- **LED Rear Combination Lamps**

Long-life LED stop, tail and turn signal lamps are standard.



Note: Not all features are available on all models at this time.

Specifications

ARTICULATED DUMP TRUCKS

Item		Model	HM300-5	HM300-3	HM300-2 HM300-2R
Emissions			T4F/S4	T4i/S3B	T3/S3A
WEIGHT:		kg (lb)			
Empty vehicle weight*			25395 (55,990)	24910 (54,920)	24040 (53,000)
Distribution (front)			14935 (32,930)	14200 (31,310)	13410 (29,560)
(center)			5730 (12,630)	5730 (12,630)	5670 (12,500)
(rear)			4730 (10,430)	4980 (10,980)	4960 (10,930)
Gross vehicle weight			53475 (117,890)	52990 (116,820)	51420 (113,360)
Distribution (front)			16475 (36,320)	15370 (33,880)	15600 (34,390)
(center)			19250 (42,440)	19340 (42,640)	18260 (40,260)
(rear)			17750 (39,130)	18280 (40,300)	17560 (38,710)
Gross horsepower (SAE J1995)		kW (HP)/RPM	248 (332)/2000	248 (332)/2000	254 (340)/2000
Net horsepower (ISO 9249/SAE J1349)		kW (HP)/RPM	242 (324)/2000	242 (324)/2000	246 (329)/2000
HAULING CAPACITY:					
Maximum payload		m. ton ₃ (U.S. ton)	28.0 (31)	28.0 (31)	27.3 (30.1)
Heaped capacity (2:1)		m ³ (yd ³)	17.1 (22.4)	17.1 (22.4)	16.6 (21.7)
PERFORMANCE:					
Maximum speed		km/h (MPH)	58.6 (36.4)	58.6 (36.4)	58.6 (36.4)
Turning radius		m (ft.in)	8.1 (26'7")	8.1 (26'7")	7.96 (26'1")
ENGINE:					
Model			KOMATSU SAA6D125E-7	KOMATSU SAA6D125E-6	KOMATSU SAA6D125E-5
No. of cylinders-			6	6	6
bore × stroke		mm (in)	125 × 150 (4.92 × 5.91)	125 × 150 (4.92 × 5.91)	125 × 150 (4.92 × 5.91)
Displacement		ltr. (in ³)	11.04 (674)	11.04 (674)	11.04 (674)
DIMENSION:			See DIMENSIONS		
TIRES:					
Front tire			26.5 R25 × 2	23.5 R25 × 2	23.5 R25 × 2
Center tire			26.5 R25 × 2	23.5 R25 × 2	23.5 R25 × 2
Rear tire			26.5 R25 × 2	23.5 R25 × 2	23.5 R25 × 2
CAPACITY:Fuel tank		ltr. (U.S. Gal)	388 (102.5)	388.3 (102.5)	384 (101.5)

Item		Model	HM350-2	HM400-5	HM400-3
Emissions			T3/S3A	T4F/S4	T4i/S3B
WEIGHT:		kg (lb)			
Empty vehicle weight*			31060 (68,470)	35055 (77,280)	33660 (74,210)
Distribution (front)			17820 (39,290)	19945 (43,970)	18980 (41,840)
(center)			6710 (14,790)	8275 (18,240)	7570 (16,690)
(rear)			6530 (14,380)	6835 (15,070)	7110 (15,670)
Gross vehicle weight			63440 (139,860)	75135 (165,640)	73740 (162,570)
Distribution (front)			20200 (44,530)	22840 (50,350)	21660 (47,750)
(center)			21710 (44,860)	26900 (59,300)	26080 (57,500)
(rear)			21530 (47,470)	25395 (55,990)	25920 (57,140)
Gross horsepower (SAE J1995)		kW (HP)/RPM	304 (408)/2000	353 (473)/2000	353 (473)/2000
Net horsepower (ISO 9249/SAE J1349)		kW (HP)/RPM	294 (394)/2000	348 (466)/2000	350 (469)/2000
HAULING CAPACITY:					
Maximum payload		m. ton ₃ (U.S. ton)	32.3 (35.6)	40.0 (44.1)	40.0 (44.1)
Heaped capacity (2:1)		m ³ (yd ³)	19.8 (25.9)	24.0 (31.4)	24.0 (31.4)
PERFORMANCE:					
Maximum speed		km/h (MPH)	57.1 (35.5)	56.0 (34.8)	55.9 (34.8)
Turning radius		m (ft.in)	8.6 (28'3")	8.9 (29'2")	8.8 (28'10")
ENGINE:					
Model			KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-7	KOMATSU SAA6D140E-6
No. of cylinders-			6	6	6
bore × stroke		mm (in)	140 × 165 (5.51 × 6.50)	140 × 165 (5.51 × 6.50)	140 × 165 (5.51 × 6.50)
Displacement		ltr. (in ³)	15.24 (930)	15.24 (930)	15.24 (930)
DIMENSION:			See DIMENSIONS		
TIRES:					
Front tire			26.5 R25 × 2	29.5 R25 × 2	29.5 R25 × 2
Center tire			26.5 R25 × 2	29.5 R25 × 2	29.5 R25 × 2
Rear tire			26.5 R25 × 2	29.5 R25 × 2	29.5 R25 × 2
CAPACITY:Fuel tank		ltr. (U.S. Gal)	493 (101.5)	518 (137)	518 (137)

* Weight includes lubricants, coolant, full fuel tank and standard body.

Note: Emissions

T2 : EPA Tier 2

T3/S3A : EPA Tier 3 and EU Stage 3A

T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Specifications

ARTICULATED DUMP TRUCKS

Item	Model		HM400-3M0	HM400-3R
			T3e/S3Ae	
Emissions			T3e/S3Ae	
WEIGHT:	kg (lb)			
Empty vehicle weight*			34045 (75,060)	33925 (74,790)
Distribution (front)			19370 (42,700)	19235 (42,410)
(center)			7865 (17,340)	7870 (17,350)
(rear)			6810 (15,010)	6820 (15,040)
Gross vehicle weight			74125 (163,420)	74005 (16,320)
Distribution (front)			21805 (48,070)	21685 (47,810)
(center)			26200 (57,760)	26200 (57,760)
(rear)			26120 (57,580)	26120 (57,580)
Gross horsepower (SAE J1995)	kW (HP)/RPM		338 (453)/2000	338 (453)/2000
Net horsepower (ISO 9249/SAE J1349)	kW (HP)/RPM		334 (448)/2000	334 (448)/2000
HAULING CAPACITY:				
Maximum payload	m. ton ₃ (U.S. ton)		40.0 (44.1)	40.0 (44.1)
Heaped capacity (2:1)	m ³ (yd ³)		24.0 (31.4)	24.0 (31.4)
PERFORMANCE:				
Maximum speed	km/h (MPH)		56.0 (34.8)	56.0 (34.8)
Turning radius	m (ft.in)		8.8 (28'10")	8.8 (28'10")
ENGINE:				
Model			KOMATSU SAA6D140E-5	KOMATSU SAA6D140E-5
No. of cylinders-			6	6
bore × stroke	mm (in)		140 × 165 (5.51 × 6.50)	140 × 165 (5.51 × 6.50)
Displacement	ltr. (in ³)		15.24 (930)	15.24 (930)
DIMENSION:				
TIRES:				
Front tire			29.5 R25 × 2	29.5 R25 × 2
Center tire			29.5 R25 × 2	29.5 R25 × 2
Rear tire			29.5 R25 × 2	29.5 R25 × 2
CAPACITY:Fuel tank	ltr. (U.S. Gal)		518 (136.9)	518 (136.9)

* Weight includes lubricants, coolant, full fuel tank and standard body.

Note: Emissions

T2 : EPA Tier 2

T3/S3A : EPA Tier 3 and EU Stage 3A

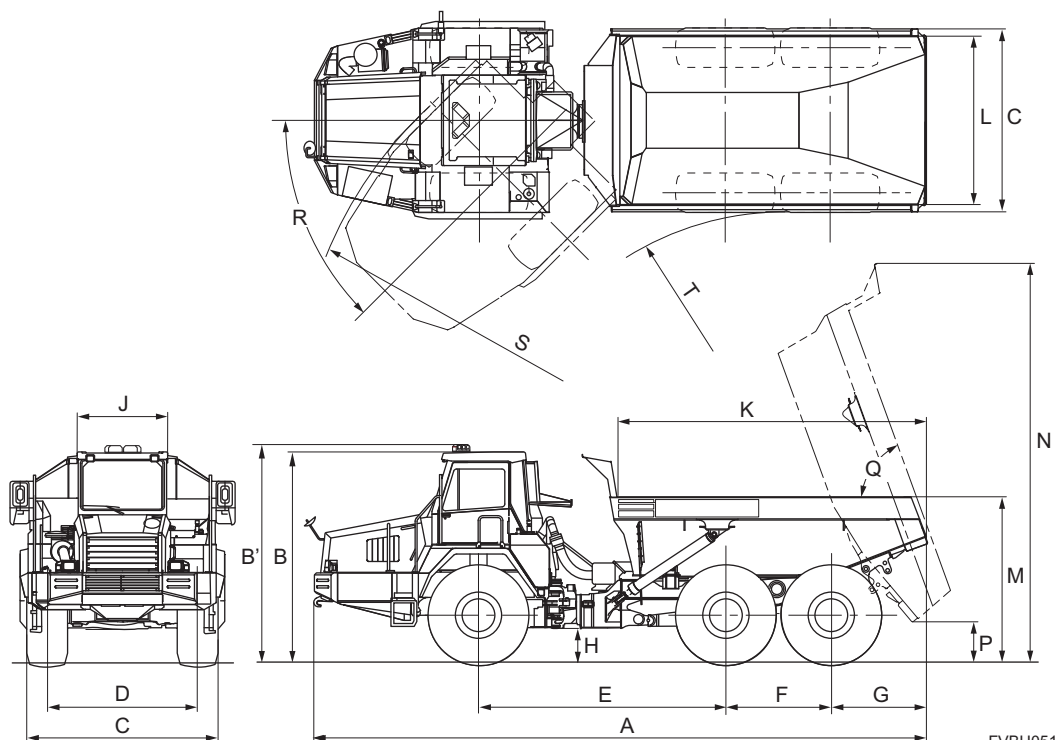
T3e/S3Ae : EPA Tier 3 equivalent and EU Stage 3A equivalent

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B

T4F/S4 : EPA Tier 4 Final and EU Stage 4

Dimensions

ARTICULATED DUMP TRUCKS



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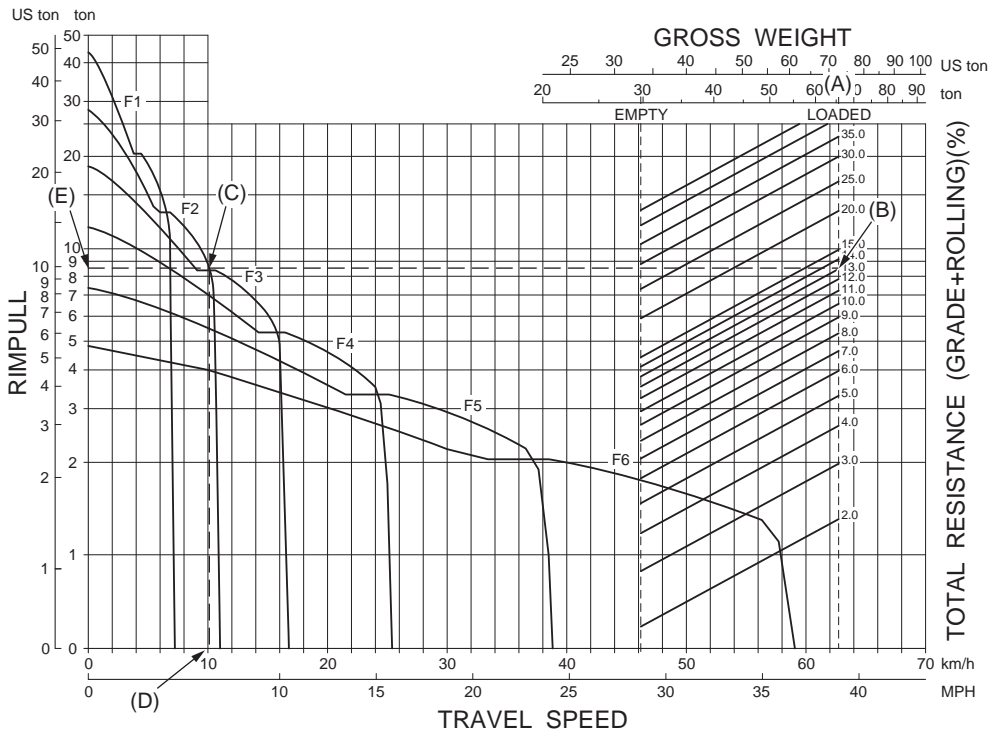
Unit: mm (ft.in)

	HM300-5	HM300-3	HM300-2 HM300-2R	HM350-2	HM400-5	HM400-3 HM400-3M0 HM400-3R
Tires	23.5 R25	23.5 R25	23.5-R25	26.5R25	29.5 R25	29.5 R25
A	10275 (33'9")	10275 (33'9")	10440 (34'3")	11145 (36'7")	11105 (36'5")	11105 (36'5")
B	3510 (11'6")	3510 (11'6")	3520 (11'7")	3700 (12'1")	3735 (12'3")	3735 (12'3")
B'	3620 (11'11")	—	—	—	3845 (12'7")	3845 (12'7")
C	2900 (9'6")	2900 (9'6")	2900 (9'6")	3250 (10'8")	3450 (11'4")	3450 (11'4")
D	2280 (7'6")	2280 (7'6")	2280 (7'6")	2590 (8'6")	2690 (8'10")	2690 (8'10")
E	4100 (13'6")	4100 (13'6")	4100 (13'5")	4350 (14'3")	4350 (14'3")	4350 (14'3")
F	1710 (5'7")	1710 (5'7")	1710 (5'7")	1850 (6'1")	1970 (6'6")	1970 (6'6")
G	1700 (5'7")	1700 (5'7")	1695 (5'7")	1775 (5'10")	1800 (5'11")	1800 (5'11")
H	575 (1'11")	575 (1'11")	510 (1'8")	585 (1'11")	710 (2'4")	710 (2'4")
J	1665 (5'6")	1665 (5'6")	1600 (5'3")	1600 (5'3")	1675 (5'6")	1675 (5'6")
K	5250 (17'3")	5250 (17'3")	5240 (17'2")	5495 (18'0")	5667 (18'7")	5667 (18'7")
L	2685 (8'10")	2685 (8'10")	—	—	3194 (10'6")	3194 (10'6")
M	2830 (9'3")	2830 (9'3")	2790 (9'2")	2975 (9'9")	3164 (10'5")	3164 (10'5")
N	6440 (21'2")	6440 (21'2")	6430 (21'1")	7035 (23'1")	7171 (23'6")	7171 (23'6")
P	605 (2'0")	572 (1'11")	600 (2'0")	720 (2'4")	808 (2'8")	808 (2'8")
Q (deg.)	70°	70°	70°	70°	70°	70°
R (deg.)	45°	45°	45°	45°	45°	45°
S	8100 (26'7")	8100 (26'7")	7960 (26'1")	8600 (28'3")	8885 (29'2")	8880 (29'2")
T	4000 (13'1")	4000 (13'1")	4010 (13'2")	4200 (13'9")	4170 (13'8")	4170 (13'8")

Use of travel performance curve

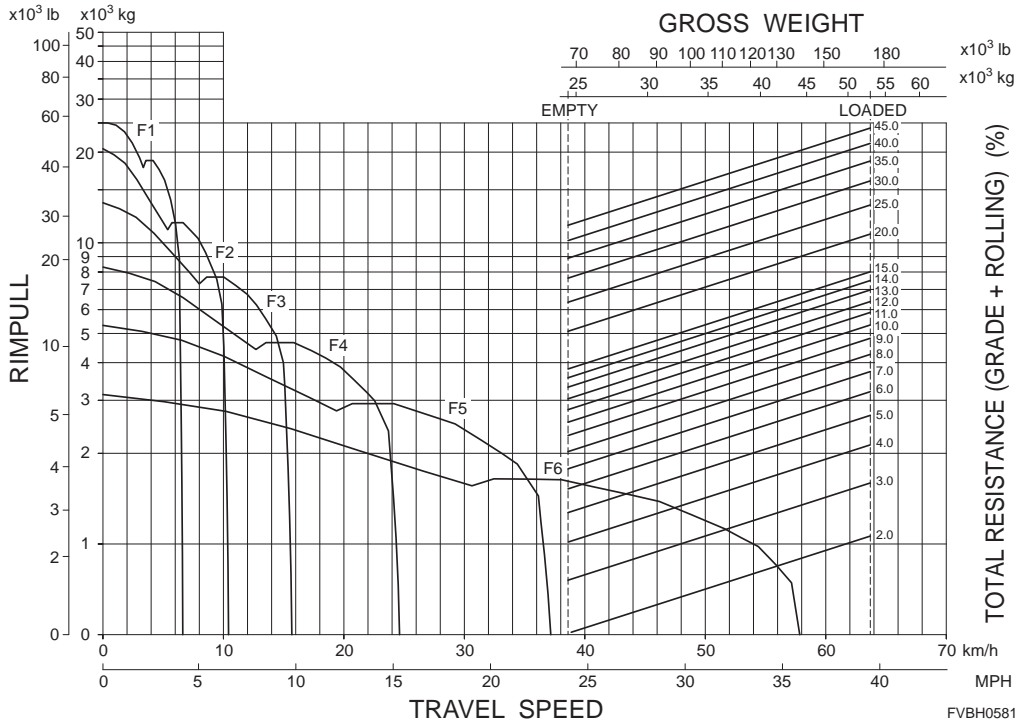
For assessing a vehicle's grade-ability, travel speed, rim pull, etc. First, draw a vertical line according to the vehicle's weight (A) and mark the point (B) corresponding to total resistance (the sum of rolling resistance and grade resistance). Next, draw a horizontal line from (B), then mark (C) where the line intersects the rim pull curve and read (E) for the rim pull. For travel speed (D), draw a vertical line downward from (C).

For instance, when traveling an 8% gradient and encountering a 5% rolling resistance, a vehicle with a 36.5 ton (40-U.S. ton) payload should have a rim pull of 8.5 tons (18,740 lb) and travel at a speed of 10 km/h (6.2 MPH) in forward 2nd gear.



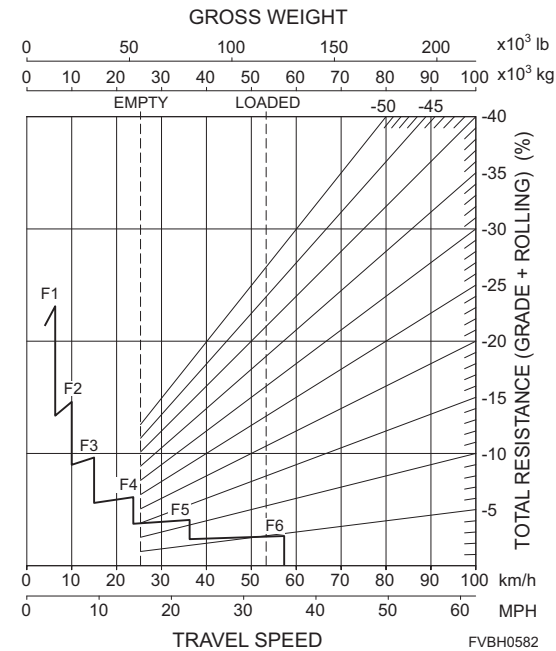
Travel Performance Curve

Power mode



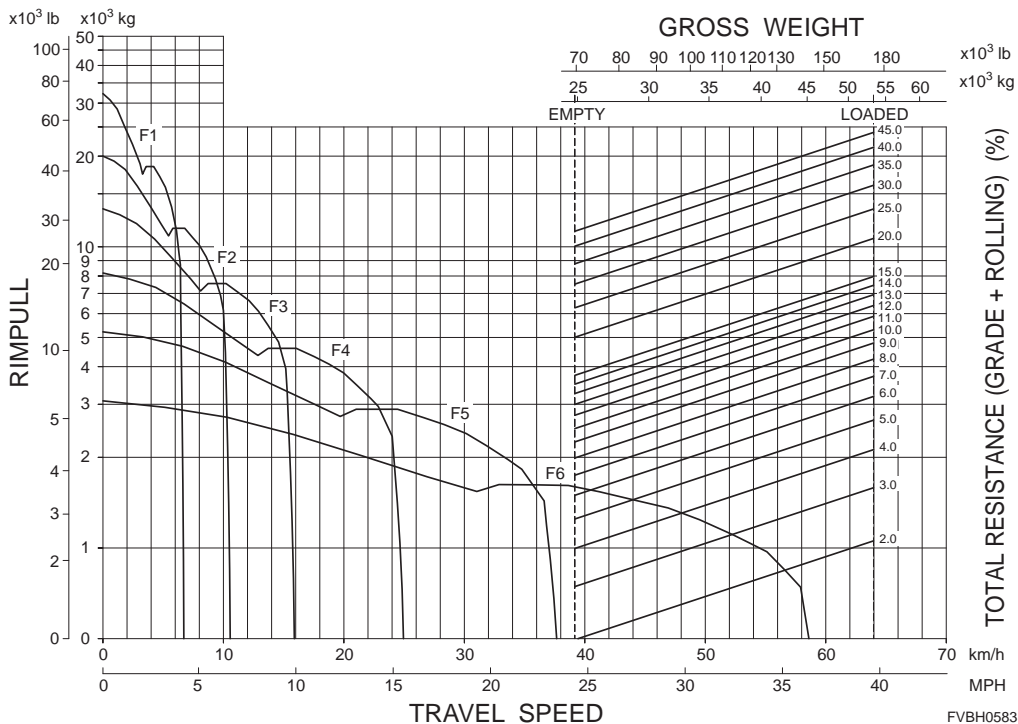
Brake Performance

GRADE DISTANCE : CONTINUOUS DESCENT



Travel Performance Curve

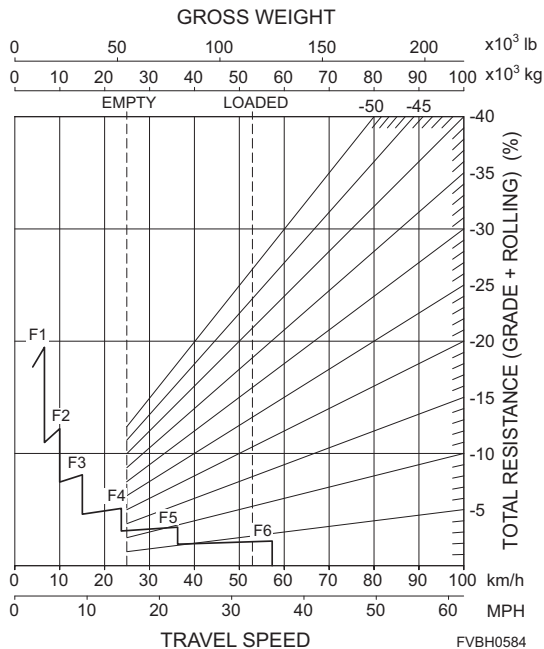
Power mode



FVBH0583

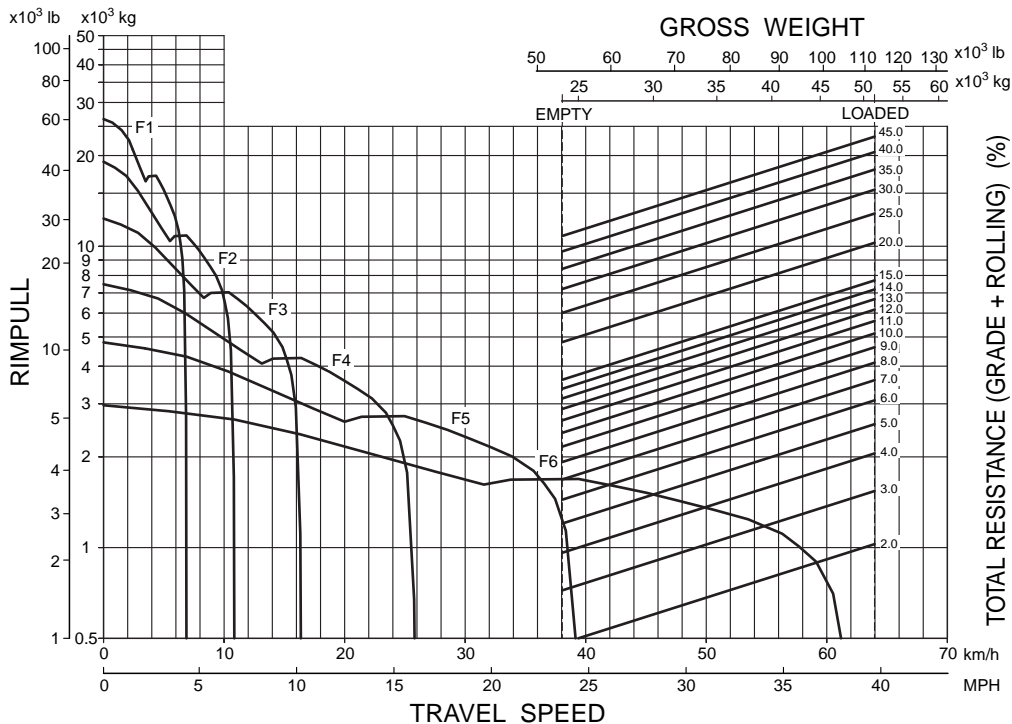
Brake Performance

GRADE DISTANCE : CONTINUOUS DESCENT

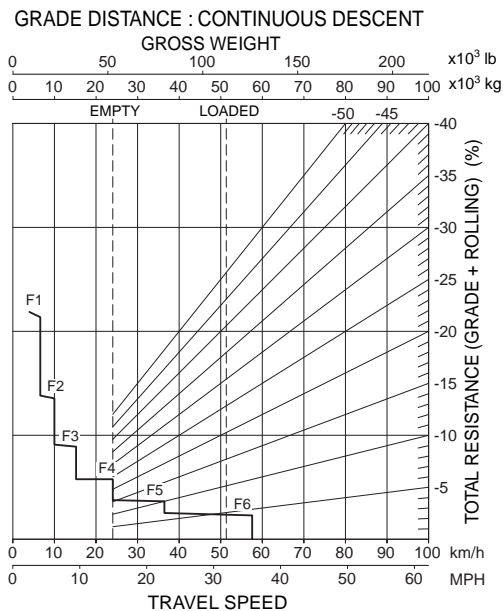


FVBH0584

Travel Performance Curve



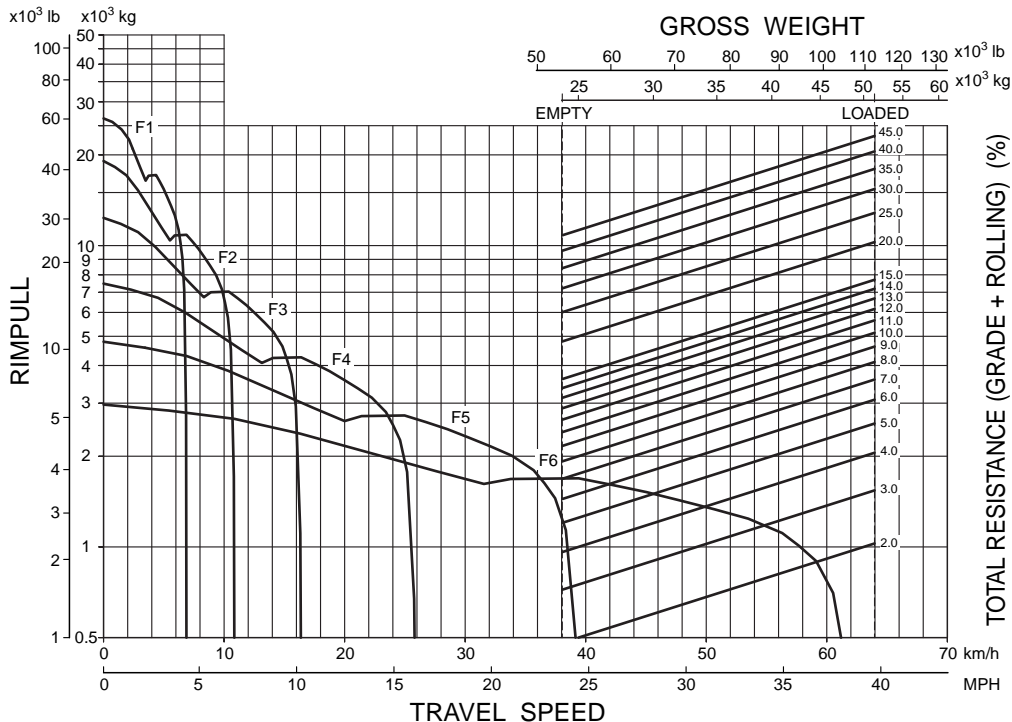
Brake Performance



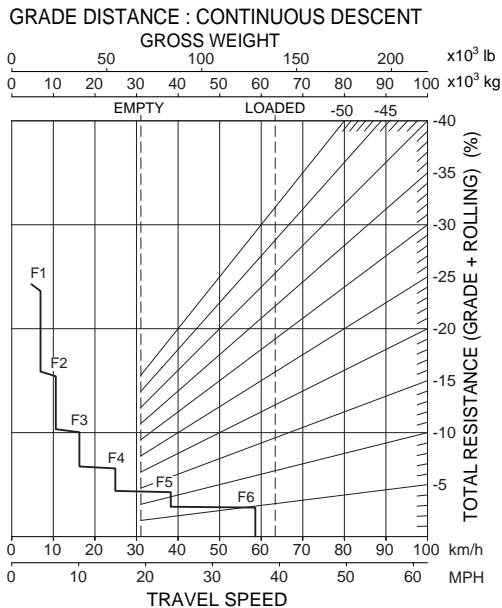
HM350-2 Performance Curves

ARTICULATED DUMP TRUCKS

Travel Performance Curve

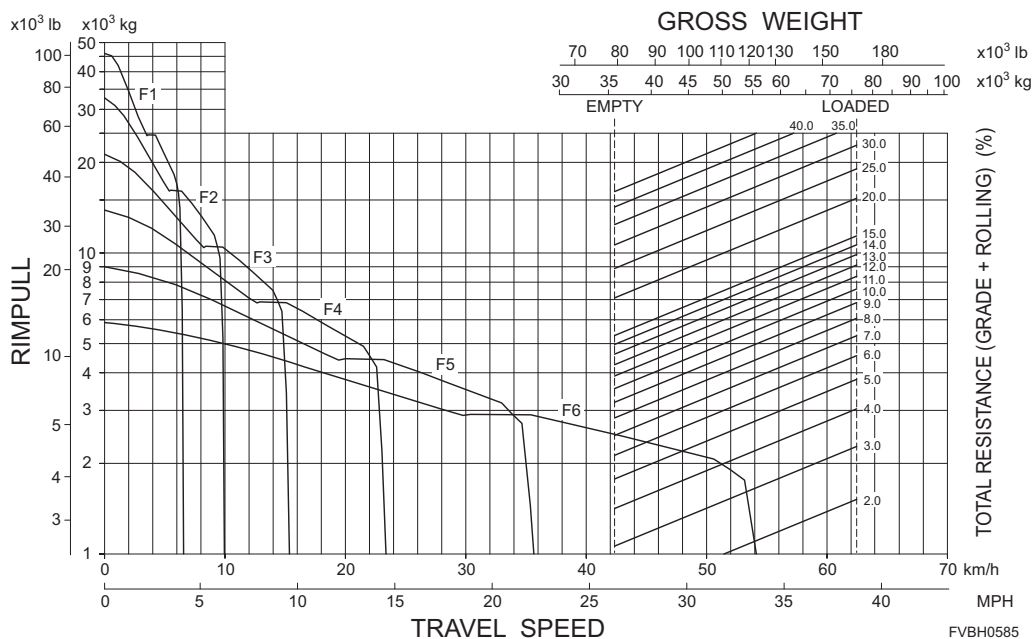


Brake Performance



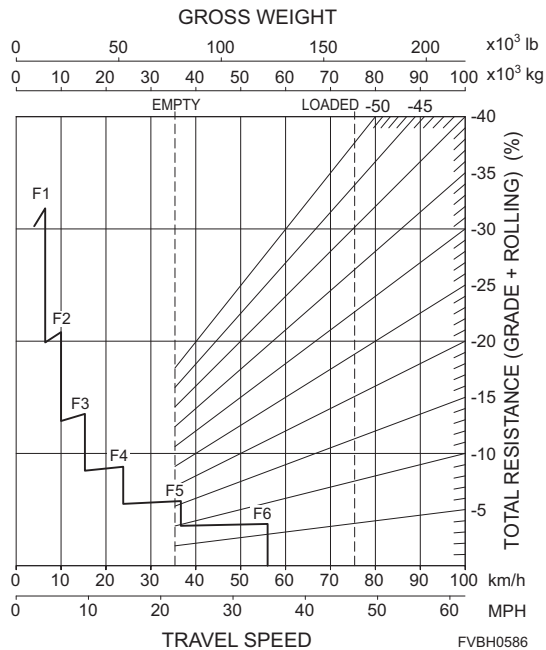
Travel Performance Curve

Power mode



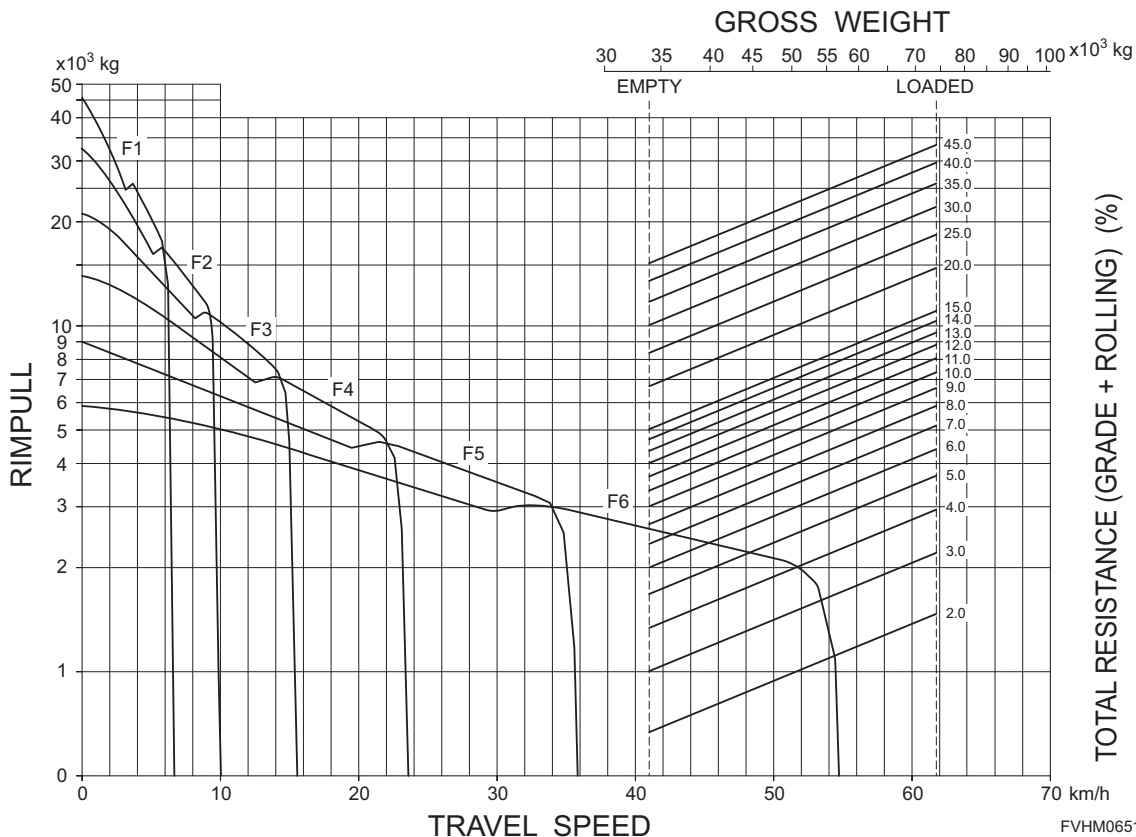
Brake Performance

GRADE DISTANCE : CONTINUOUS DESCENT



Travel Performance Curve

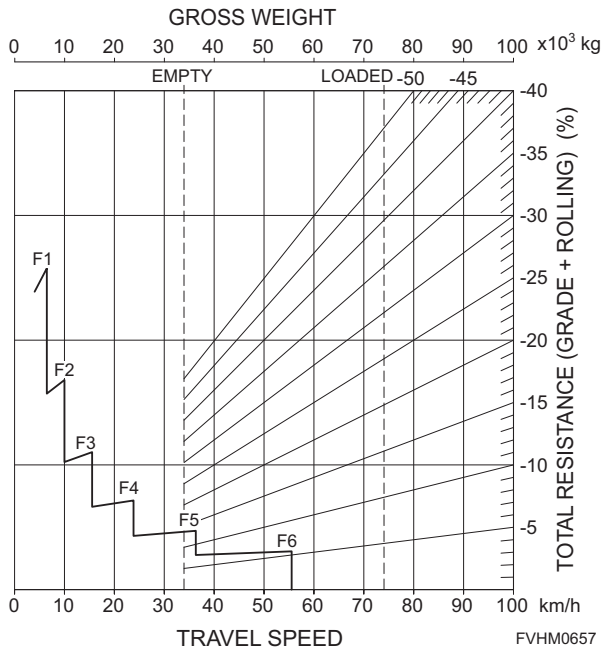
Power mode



FVHM0651

Brake Performance

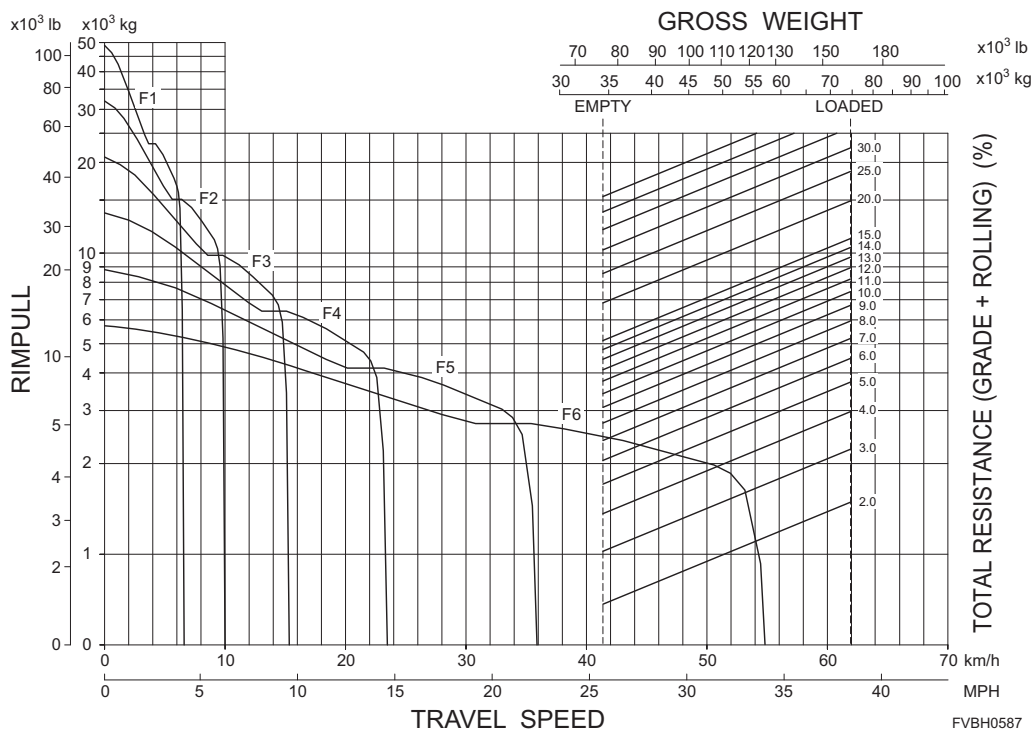
GRADE DISTANCE : CONTINUOUS DESCENT



FVHM0657

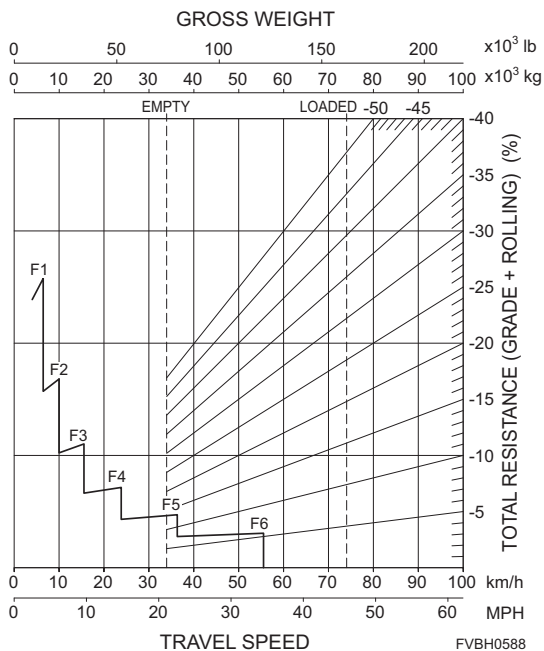
Travel Performance Curve

Power mode



Brake Performance

GRADE DISTANCE : CONTINUOUS DESCENT



Ground Pressure

ARTICULATED DUMP TRUCKS

Model		HM300-5	HM300-3	HM300-2, HM300-2R
Tire		23.5 R25	750/65 R25	750/65 R25
WEIGHT:	kg (lb)			
Empty vehicle weight*		25395 (55,990)	24910 (54,920)	24620 (54,280)
Distribution (front)		14935 (32,930)	14200 (31,310)	13650 (30,090)
(center)		5730 (12,630)	5730 (12,630)	5850 (12,900)
(rear)		4730 (10,430)	4980 (10,980)	5120 (11,290)
Gross vehicle weight		53475 (11,790)	52990 (116,820)	52000 (114,640)
Distribution (front)		16475 (36,320)	15370 (33,880)	15850 (34,940)
(center)		19250 (42,440)	19340 (42,640)	18440 (40,650)
(rear)		17750 (39,130)	18280 (40,300)	17710 (39,040)
GROUND CONTACT AREA:	cm ² (in ²)			
Empty:				
Front tire		2586 (400.8)	2412 (373.9)	2370 (367.4)
Center tire		1096 (169.9)	1055 (163.5)	1060 (164.3)
Rear tire		936 (145.1)	934 (144.8)	960 (148.8)
Loaded:				
Front tire		2645 (410.0)	2636 (408.6)	2640 (409.2)
Center tire		2666 (413.2)	2664 (412.9)	2660 (412.3)
Rear tire		2655 (411.5)	2657 (411.8)	2640 (409.3)
GROUND PRESSURE:	kg/cm ² (PSI/kPa)			
Empty:				
Front tire		2.96 (42.1/290)	2.94 (41.8/288)	2.88 (41.0/282)
Center tire		2.73 (38.8/268)	2.72 (38.7/267)	2.76 (39.2/271)
Rear tire		2.67 (38.0/262)	2.66 (37.8/261)	2.67 (38.0/262)
Loaded:				
Front tire		3.16 (44.9/310)	2.92 (41.5/286)	3.00 (42.7/294)
Center tire		3.66 (52.0/359)	3.63 (51.6/356)	3.47 (49.3/340)
Rear tire		3.39 (48.2/332)	3.44 (48.9/337)	3.35 (47.6/329)

Model		HM350-2	HM400-5	HM400-3
Tire		26.5 R25	29.5 R25	29.5 R25
WEIGHT:	kg (lb)			
Empty vehicle weight*		31200 (68,780)	35055 (77,280)	33660 (34,210)
Distribution (front)		17920 (39,510)	19945 (43,970)	18980 (41,840)
(center)		6730 (14,840)	8275 (18,240)	7570 (16,690)
(rear)		6550 (14,440)	6835 (15,070)	7110 (15,670)
Gross vehicle weight		63580 (140,170)	75135 (165,640)	73740 (162,570)
Distribution (front)		20280 (44,710)	22840 (50,350)	21680 (47,800)
(center)		21740 (47,930)	26900 (59,300)	26100 (57,540)
(rear)		21560 (47,530)	25395 (55,990)	25980 (57,280)
GROUND CONTACT AREA:	cm ² (in ²)			
Empty:				
Front tire		2370 (367.4)	3267 (506.4)	3123 (484.1)
Center tire		1075 (166.6)	1521 (235.8)	1416 (219.5)
Rear tire		1030 (159.7)	1306 (202.4)	1347 (208.8)
Loaded:				
Front tire		2560 (396.8)	3700 (573.5)	3527 (546.7)
Center tire		2620 (406.1)	4307 (667.6)	4188 (649.1)
Rear tire		2580 (399.9)	4083 (632.9)	4167 (645.9)
GROUND PRESSURE:	kg/cm ² (PSI/kPa)			
Empty:				
Front tire		3.78 (53.8/371)	3.05 (43.4/299)	3.04 (43.2/298)
Center tire		3.13 (44.5/307)	2.72 (38.7/267)	2.67 (38.0/262)
Rear tire		3.18 (45.2/312)	2.62 (37.3/257)	2.64 (37.5/259)
Loaded:				
Front tire		3.96 (56.3/388)	3.09 (43.9/303)	3.07 (43.7/301)
Center tire		4.15 (59.0/407)	3.12 (44.4/306)	3.12 (44.4/306)
Rear tire		4.18 (59.4/410)	3.11 (44.2/305)	3.11 (44.2/305)

* Weight includes lubricants, coolant, full fuel tank and standard body.

Ground Pressure

ARTICULATED DUMP TRUCKS

Model		HM400-3M0	HM400-3R
Tire		29.5 R25	29.5 R25
WEIGHT:	kg (lb)		
Empty vehicle weight*		34045 (75,060)	33925 (74,790)
Distribution (front)		19370 (42,700)	19235 (42,410)
(center)		7865 (17,340)	7870 (17,350)
(rear)		6810 (15,010)	6820 (15,040)
Gross vehicle weight		74125 (163,420)	74005 (163,150)
Distribution (front)		21805 (48,070)	21685 (47,810)
(center)		26200 (57,760)	26200 (57,760)
(rear)		26120 (57,580)	26120 (57,580)
GROUND CONTACT AREA:	cm ² (in ²)		
Empty:			
Front tire		3235 (501.4)	3175 (492.1)
Center tire		1460 (226.3)	1461 (226.5)
Rear tire		1302 (201.8)	1304 (202.1)
Loaded:			
Front tire		3543 (549.2)	3527 (546.7)
Center tire		4209 (652.4)	4202 (651.3)
Rear tire		4187 (649.0)	4191 (649.6)
GROUND PRESSURE:	kg/cm ² (PSI/kPa)		
Empty:			
Front tire		3.05 (43.4/299)	3.04 (43.2/298)
Center tire		2.69 (38.3/264)	2.69 (38.3/264)
Rear tire		2.61 (37.1/256)	2.62 (37.3/257)
Loaded:			
Front tire		3.07 (43.7/301)	3.07 (43.7/301)
Center tire		3.12 (44.4/306)	3.12 (44.4/306)
Rear tire		3.12 (44.4/306)	3.12 (44.4/306)

* Weight includes lubricants, coolant, full fuel tank and standard body.

TIRE SELECTION GUIDE FOR ARTICULATED DUMP TRUCKS

HM300-5, HM300-3, HM300-2, HM300-2R

Tire size	Manu- facturer*	Pattern	Charac- teristics	Code	Star Rating	Inflation pressure kPa (kg/cm ² /PSI)	Applicable terrain	Feature
23.5 R25	BS	VLT	CR	E3	☆☆	525 (5.4/76)	Wet, soft and muddy surfaces	Excellent maneuverability, traction and floatation
23.5 R25	BS	VLTS	CR	E4	☆☆	525 (5.4/76)	Wet, soft and muddy surfaces	Long tread life, excellent cut durability and traction
750/65 R25	BS	VLT	CR	E3	☆☆	475 (4.8/69)	Wet, soft and muddy surfaces	Excellent maneuverability, traction and floatation
750/65 R25	BS	VLTS	CR	E4	☆☆	475 (4.8/69)	Wet, soft and muddy surfaces	Long tread life, excellent cut durability and traction
23.5 R25	MC	XADN+		E3	☆☆	500 (5.1/73)		
23.5 R25	MC	Xtra Defend		E4	☆☆	450 (4.6/65)	E4 for Quarry/Mine	
750/65 R25	MC	XAD65-1 Super	65 series	E3	☆☆	400 (4.1/58)		
750/65 R25	MC	Xtra Defend	65 series	E4	☆☆	450 (4.6/65)	E4 for Quarry/Mine	

HM350-2

Tire size	Manu- facturer*	Pattern	Charac- teristics	Code	Star Rating	Inflation pressure kPa (kg/cm ² /PSI)	Applicable terrain	Feature
26.5 R25	BS	VLT	CR	E3	☆☆	525 (5.4/76)	Soft and muddy surfaces	Excellent maneuverability, traction and floatation
26.5 R25	BS	VLTS	CR	E4	☆☆	525 (5.4/76)	Soft and muddy surfaces	Long tread life, excellent cut durability and traction
26.5 R25	MC	XADN+		E3	☆☆	500 (5.1/73)		
26.5 R25	MC	Xtra Defend		E4	☆☆	450 (4.6/65)	E4 for Quarry/Mine	
775/65R29	MC	XAD65-1 Super	65 series	E3	☆☆	400 (4.1/58)		

HM400-5, HM400-3, HM400-3M0, HM400-3R

Tire size	Manu- facturer*	Pattern	Charac- teristics	Code	Star Rating	Inflation pressure kPa (kg/cm ² /PSI)	Applicable terrain	Feature
29.5 R25	BS	VLT	CR	E3	☆☆	525 (5.4/76)	Soft and muddy surfaces	Excellent maneuverability, traction and floatation
29.5 R25	BS	VLTS	CR	E4	☆☆	525 (5.4/76)	Soft and muddy surfaces	Long tread life, excellent cut durability and traction
875/65R29	BS	VTS	CR	E3	☆☆	475 (4.8/69)	Soft and muddy surfaces	Good traction and stability
875/65R29	BS	VLTS	CR	E4	☆☆	475 (4.8/69)	Soft and muddy surfaces	Long tread life, excellent cut durability and traction
29.5 R25	MC	XADN+		E3	☆☆	500 (5.1/73)		
29.5 R25	MC	Xtra Defend		E4	☆☆	450 (4.6/65)	E4 for Quarry/Mine	
875/65 R29	MC	XAD65-1 Super	65 series	E3	☆☆	400 (4.1/58)		
875/65 R29	MC	Xtra Defend	65 series	E4	☆☆	450 (4.6/65)	E4 for Quarry/Mine	

* Tire maker BS: BRIDGESTONE
MC: MICHELIN

** XADN+ and XAD65-1 will be replaced by Xtra Flexlife in 2019.

1. Liner application

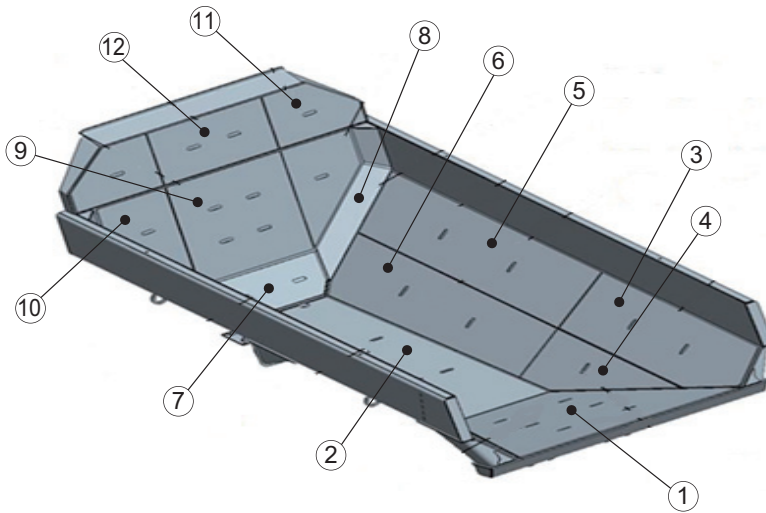


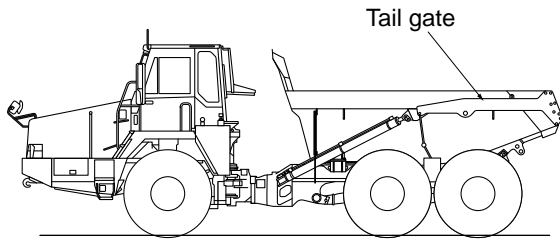
Plate thickness

unit: mm (in)

No.	Part	HM300-5 HM300-3	HM300-2 HM300-2R	HM350-2	HM400-5 HM400-3 HM400-3M0 HM400-3R
1	Bottom (end)	14 (0.55)	14 (0.55)	16 (0.63)	16 (0.63)
2	Bottom	14 (0.55)	14 (0.55)	16 (0.63)	16 (0.63)
3	Side (top-end)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
4	Side (bottom-end)	14 (0.55)	14 (0.55)	16 (0.63)	16 (0.63)
5	Side (top-middle)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
6	Side (bottom-middle)	14 (0.55)	14 (0.55)	16 (0.63)	16 (0.63)
7	Corner (bottom)	14 (0.55)	14 (0.55)	16 (0.63)	16 (0.63)
8	Corner (side)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
9	Front (center)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
10	Front (side)	8 (0.31)	8 (0.31)	9 (0.35)	8 (0.31)
11	Canopy (side)	8 (0.31)	8 (0.31)	9 (0.35)	8 (0.31)
12	Canopy (center)	8 (0.31)	8 (0.31)	9 (0.35)	8 (0.31)
Liner weight kg (lb)		2032 (4480)	2440 (5380)	2515 (5545)	2618 (5772)

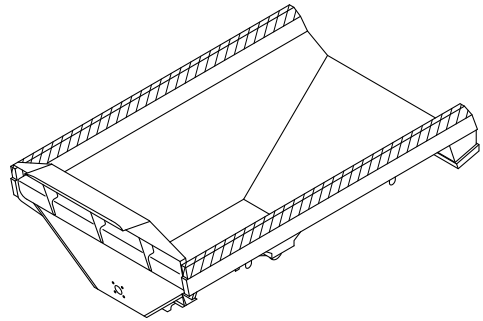
2. Body extension & tail gate

Tail Gate



FVBH0466

Extension (+200 mm (7.9"))



FVBH0467

Body capacity

unit: m³ (yd³)

		HM300-5 HM300-3	HM300-2 HM300-2R	HM350-2	HM400-5 HM400-3 HM400-3M0 HM400-3R
Standard body	Heaped	17.1 (22.4)	16.6 (21.7)	19.8 (25.9)	24.0 (31.4)
	Struck	13.4 (17.5)	12.9 (16.9)	14.6 (19.1)	18.2 (23.8)
With 200 mm (7.9") extension	Heaped	19.4 (25.4)	18.6 (24.3)	22.3 (29.2)	26.7 (24.9)
	Struck	15.8 (20.7)	15.1 (19.7)	17.9 (23.4)	21.6 (28.2)
With tail gate	Heaped	17.5 (22.9)	17.3 (22.6)	20.6 (26.9)	25.3 (33.1)
	Struck	13.7 (17.9)	13.4 (17.5)	15.1 (19.8)	18.7 (24.5)

CONTENTS

SECTION **6**

MOTOR GRADERS Sec 6



MOTOR GRADERS

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■ Control

● Lock up Torque Converter Transmission

This unique power transmitting system is the key of the KOMATSU graders. This system provides both efficiency of direct shifting and controllability of automatic shifting.

High controllability:

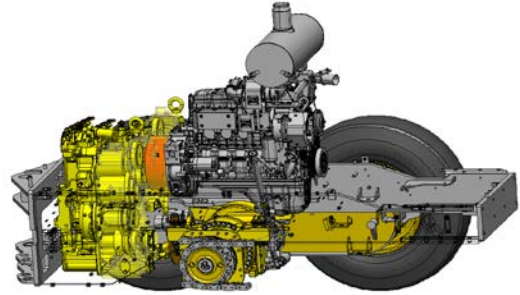
- Eliminate engine stalling and inching pedal operation
- Easy travelling, automatic gear shifting
- Smooth starting, good controllability in fine grading
- Reduce excessive tire slipping.

Torque multiplication:

- Multiply over twice torque, provide much torque in heavy grading, ditching and ripping.
- Stable engine speed, reduce shift changing during road maintenance and snow removal.

Lock-up function:

- Prevent loss of efficiency.



● Engine Power Mode Selection*

Provides two engine power mode P and E mode to work efficiently for all applications. Each P mode provides maximum engine output, while E mode reduces high idle engine speed.

* Except GD755-5R, GD825A-2

● Electronic Throttle Control / RPM Set Switch*

This feature enables smooth and controllable throttle response. RPM set switch enables operator to set desired engine speed at hand.

* Except GD825A-2

● Hydraulics*

CLSS (Closed Load Sensing System)* hydraulic system is optimized for KOMATSU graders, which enables constant cylinder speed, excellent multifunctional operation ability and fine control.

* Except GD535-5



■ Comfort

● Visibility

Offers new hexangular cab with Y shape pillar. This improves visibility around the moldboard and keeps clear view of the blade heel even the operator angling the blade. The slanted engine hood and front frame contribute to improve front and rear visibility, and gray-colored painting reduces glare, resulting in safer operation.

● Cab Environment

The new cab improves sound insulation and has large headroom, provide comfortable cab environment.



● Seat and Console Adjustment

The seat and console have wide adjustment capability to fit various operators with different figures.

● Air Conditioner

The air conditioner increases cooling capacity from current models, helps for keeping comfortable temperature in all seasons.

● Control and Switches

The switches and levers are designed to balance controllability and low effort.

Frequent used switches are located on the right side console, to help the operator to concentrate on working.

● Additional Cab Features

This cab also provides suitable storages including cup holder, tray and coat hook, power outlets, rear view mirror, cab room light and optional AM/FM radio.



■ Reliability

● Durable Structure

High-strength main frame and work equipment increase durability even in heavy duty application.

● Dust Prevention

Improves dust prevention with sealed connector and double sealing of the blade side shift cylinder.

Electrical components like batteries and relays are elevated from the ground to prevent accumulation of dust.

● Improve Piping Installation

Like the lift cylinder piping located behind the cylinders, each piping layouts are designed to prevent contact with obstacles.

The clamps of hose are protected with rubber, resulting in longer life of hoses.



● Optimized Cooling Layout

Cooling components are laid out with side-by-side layout, contribute to cooling efficiency.

This system is equipped with reversible hydraulic cooling fan*, provides quick cleaning with a push of the button.

* Available on GD555/655/675-5, optional on GD535-5



● Machine Monitoring System

Character display or color LCD monitor panel indicate not only instruments but abnormality or maintenance interval, offers possible troubleshooting and encourages periodic maintenance, to decrease downtime.



■ Serviceability

● Safety Inspection

Steps and grab rails help the operator for ensuring three-point support.

The punched footplates are prepared on the tandem for more safety inspection.



● Service Access

Each service doors open wide for more accessibility to each service points. Spin-on filters can be changed quickly.

Oil and coolant drain ports are located near the ground to minimize maintenance time.



● Ground Level Refueling

The fuel tank is located at rear end of the machine and enables refueling from ground.

This eliminates climbing up on the tandem while refueling to improve safety.

● Modular Component Layout

Each power train components has modularity in design, enables individual removing and reinstalling.



● Adjustment-free Oil Disk Brakes

Provides multiple disk brake system that is completely sealed and adjustment-free.

The large brake disk surface provides dependable braking capability and extends life before an overhaul.

● KOMTRAX

As well as other our equipment, KOMTRAX is standardized* for KOMATSU motor graders.

This provides working information to remote place and assists customer's equipment management.

* Optional on GD825A-2



Specifications

MOTOR GRADERS

Item		Model	GD511A-1	GD511A-1	GD535-5	GD535-5
Source			Japan	Indonesia	Japan	Indonesia
Emissions					T3/S3A	T3/S3A
OPERATING WEIGHT*	kg (lb)		10800 (23,810)	10800 (23,810)	13680 (30,160)	13820 (30,470)
HORSEPOWER:						
SAE J1995:	Gross kW (HP)/rpm				115 (154)/2000	115 (154)/2000
ISO9249/SAE J1349:	Net kW (HP)/rpm		101 (135)/2900	101 (135)/2900	108 (145)/2000	108 (145)/2000
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward						
1st		3.4 (2.1)	3.4 (2.1)	4.3 (2.7)	4.2 (2.6)	
2nd		6.1 (3.8)	6.1 (3.8)	5.1 (3.2)	5.9 (3.7)	
3rd		10.7 (6.6)	10.7 (6.6)	8.2 (5.1)	8.0 (5.0)	
4th		14.1 (8.8)	14.1 (8.8)	11.6 (7.2)	11.3 (7.0)	
5th		25.5 (15.8)	25.5 (15.8)	16.2 (10.1)	15.7 (9.8)	
6th		44.5 (27.7)	44.5 (27.7)	22.7 (14.1)	22.0 (13.7)	
7th		—	—	31.1 (19.3)	30.1 (18.7)	
8th		—	—	43.4 (27.0)	42.0 (26.1)	
Reverse (Max.)		54.4 (33.8)	54.4 (33.8)	35.2 (21.9)	34.1 (21.2)	
Max. traction (Drawbar pull)	kg (lb)	6140 (13,535)	6140 (13,535)			
Min. turning radius**	mm (ft.in)	6600 (21'8")	6600 (21'8")	7000 (24'3")	7000 (24'3")	
DIMENSIONS:						
Overall length	mm (ft.in)	7895 (25'11")	7895 (25'11")	8565 (28'1")	8540 (28'0")	
Treads: Front	mm (ft.in)	2020 (6'8")	2020 (6'8")	2070 (6'10")	2070 (6'10")	
Rear	mm (ft.in)	2020 (6'8")	2020 (6'8")	2060 (6'9")	2060 (6'9")	
Articulation angle (each)	degree	27	25	25	25	
ENGINE:						
Model		KOMATSU S6D95L	KOMATSU S6D95L	KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	
No. of cylinders-bore x stroke	mm (in)	6-95 x 115 (3.74 x 4.53)	6-95 x 115 (3.74 x 4.53)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	
Piston displacement	ltr. (in ³)	4.89 (298)	4.89 (298)	6.69 (408)	6.69 (408)	
CAPACITY						
Fuel tank	ltr. (U.S. Gal)	227 (60.0)	227 (60)	271 (103)	271 (103)	
*) Spec conditions:						
Blade	mm (ft.in)	3710 (12'2")	3710 (12'2")	3710 (12'2")	3710 (12'2")	
Tire		13.00-24-8PR	13.00-24-8PR	14.00-24-12PR	13.00-24-12PR	
Upper attachment		—	—	ROPS cab	ROPS canopy	

Item		Model	GD535-5	GD555-5	GD655-6	GD655-6
Source			Brazil	Japan	Japan	Japan (for USA)
Emissions			T3/S3A	T3/S3A	T4F/S4	T4F/S4
OPERATING WEIGHT*	kg (lb)		14495 (31,960)	15135 (33,370)	16940 (37,350)	16940 (37,350)
HORSEPOWER:						
SAE J1995:	Gross kW (HP)/rpm		115 (154)/2000	146 (196)/2000	165 (221)/2100	165 (221)/2100
ISO9249/SAE J1349:	Net kW (HP)/rpm		113 (151)/2000	144 (193)/2000	163 (218)/2100	163 (218)/2100
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward						
1st		4.3 (2.7)	3.4 (2.1)	3.4 (2.1)	3.4 (2.1)	
2nd		6.1 (3.8)	5.0 (3.1)	5.0 (3.1)	5.0 (3.1)	
3rd		8.3 (5.2)	7.0 (4.3)	7.0 (4.3)	7.0 (4.3)	
4th		11.6 (7.2)	10.2 (6.3)	10.2 (6.3)	10.2 (6.3)	
5th		16.2 (10.1)	15.4 (9.6)	15.4 (9.6)	15.4 (9.6)	
6th		22.7 (14.1)	22.3 (13.9)	22.3 (13.9)	22.3 (13.9)	
7th		31.1 (19.3)	30.6 (19.0)	30.6 (19.0)	30.6 (19.0)	
8th		43.4 (27.0)	44.3 (27.5)	44.3 (27.5)	44.3 (27.5)	
Reverse (Max.)		35.2 (21.9)	40.3 (25.0)	40.3 (25.0)	40.3 (25.0)	
Max. traction (Drawbar pull)	kg (lb)		8800 (19,400)			
Min. turning radius**	mm (ft.in)	7000 (24'3")	7300 (23'11")	7400 (24'3")	7400 (24'3")	
DIMENSIONS:						
Overall length	mm (ft.in)	8565 (28'1")	8995 (29'6")	9510 (31'2")	9510 (31'2")	
Treads: Front	mm (ft.in)	2070 (6'10")	2070 (6'9")	2070 (6'10")	2070 (6'10")	
Rear	mm (ft.in)	2060 (6'9")	2060 (6'9")	2060 (6'9")	2060 (6'9")	
Articulation angle(each)	degree	25	25	25	25	
ENGINE:						
Model		KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-3	KOMATSU SAA6D107E-3	
No. of cylinders-bore x stroke	mm (in)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	6-107 x 124 (4.21 x 4.88)	
Piston displacement	ltr. (in ³)	6.69 (408)	6.69 (408)	6.69 (408)	6.69 (408)	
CAPACITY						
Fuel tank	ltr. (U.S. Gal)	271 (103)	416 (109.9)	390 (103)	390 (103)	
*) Spec conditions:						
Blade	mm (ft.in)	3710 (12'2")	3710 (12'2")	3660 (12'0")	4320 (14'2")	
Tire		14.00-24-12PR	14.00-24-14PR	14.00R24(XGL)	17.5R25	
Upper attachment		ROPS cab	ROPS cab	ROPS/FOPS cab	ROPS/FOPS cab	

** At center of front outside tire, combining the use of full articulation, full front wheel steering and leaning.
T3/S3A: EPA Tier 3 and Stage 3A
T4F/S4: EPA Tier 4 Final and Stage 4

Specifications

MOTOR GRADERS

Item		Model	GD655-5	GD655-5	GD663A-2	GD675-6
Source			Japan	Brazil	Japan	Japan
Emissions			T3/S3A	T3/S3A		T4F/S4
OPERATING WEIGHT*		kg (lb)	15495 (34,160)	15860 (34,960)	13350 (29,430)	16995 (37,470)
HORSEPOWER:						
SAE J1995: Gross		kW (HP)/rpm	165 (221)/2100	165 (221)/2100		165 (221)/2100
ISO9249/SAE J1349: Net		kW (HP)/rpm	163 (218)/2100	163 (218)/2100	134 (180)/2200	163 (218)/2100
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward 1st			3.4 (2.1)	3.4 (2.1)	3.7 (2.3)	3.4 (2.1)
2nd			5.0 (3.1)	5.0 (3.1)	6.6 (4.1)	5.0 (3.1)
3rd			7.0 (4.3)	7.0 (4.3)	11.3 (7.0)	7.0 (4.3)
4th			10.2 (6.3)	10.2 (6.3)	15.5 (9.6)	10.2 (6.3)
5th			15.4 (9.6)	15.4 (9.6)	27.6 (17.2)	15.4 (9.6)
6th			22.3 (13.9)	22.3 (13.9)	47.2 (29.3)	22.3 (13.9)
7th			30.6 (19.0)	30.6 (19.0)	—	30.6 (19.0)
8th			44.3 (27.5)	44.3 (27.5)	—	44.3 (27.5)
Reverse (Max.)			40.3 (25.0)	40.3 (25.0)	57.6 (35.8)	40.3 (25.0)
Max .traction (Drawbar pull)		Kg (lb)	9050 (19,950)		7550 (16,640)	
Min. turning radius**		mm (ft.in)	7400 (24'3")	7400 (24'3")	7100 (23'4")	7400 (24'3")
DIMENSIONS:						
Overall length		mm (ft.in)	9205 (30'2")	9205 (29'7")	8500 (27'11")	9510 (31'2")
Treads: Front		mm (ft.in)	2070 (6'9")	2160 (7'1")	2070 (6'10")	2170 (7'1")
Rear		mm (ft.in)	2060 (6'9")	2160 (7'1")	2070 (6'10")	2160 (7'1")
Articulation angle (each)		degree	25	25	26	25
ENGINE:						
Model			KOMATSU SAA6D107E-1	KOMATSU SAA6D107E-1	KOMATSU 6D125	KOMATSU SAA6D107E-3
No. of cylinders-bore × stroke		mm (in)	6 - 107 × 124 (4.21 × 4.88)	6 - 107 × 124 (4.21 × 4.88)	6 - 125 × 150 (4.92 × 5.91)	6 - 107 × 124 (4.21 × 4.88)
Piston displacement		ltr. (in ³)	6.69 (408)	6.69 (408)	11.04 (674)	6.69 (408)
CAPACITY						
Fuel tank		ltr. (U.S. Gal)	416 (109.9)	416 (110)	285 (75.3)	390 (103)
*) Spec conditions:						
Blade		mm (ft.in)	3710 (12'2")	3710 (12'2")	3710 (12'2")	4270 (14'0")
Tire			14.00-24-14PR	14.00-24-14PR	14.00-24-10PR	17.5R25
Upper attachment			ROPS cab	ROPS cab	Steel cab	ROPS/FOPS cab

Item		Model	GD675-5	GD705-5	GD755-5R	GD825A-2
Source			Japan	Japan	Japan	Japan
Emissions			T3/S3A	T3/S3A	T3/S3A	T1
OPERATING WEIGHT*		kg (lb)	15955 (35,175)	19300 (42,550)	21650 (47,730)	31655 (69,785)
HORSEPOWER:						
SAE J1995: Gross		kW (HP)/rpm	165 (221)/2100	194 (260)/1950	216 (290)/2000	
ISO9249/SAE J1349: Net		kW (HP)/rpm	163 (218)/2100	186 (250)/1950	213 (286)/2000	209 (280)/2100
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward 1st			3.4 (2.1)	4.0 (2.5)	5.1 (3.2)	4.0 (2.5)
2nd			5.0 (3.1)	5.6 (3.5)	7.9 (4.9)	5.4 (3.4)
3rd			7.0 (4.3)	7.7 (4.8)	9.5 (5.9)	8.0 (5.0)
4th			10.2 (6.3)	10.9 (6.8)	12.1 (7.5)	11.5 (7.1)
5th			15.4 (9.6)	15.3 (9.5)	14.9 (9.3)	15.8 (9.8)
6th			22.3 (13.9)	21.6 (13.4)	19.1 (11.9)	21.4 (13.3)
7th			30.6 (19.0)	30.0 (18.6)	29.2 (18.1)	31.3 (19.4)
8th			44.3 (27.5)	42.5 (26.4)	45.0 (28.0)	44.9 (27.9)
Reverse (Max.)			40.3 (25.0)	34.1 (21.2)	43.6 (27.1)	47.9 (29.8)
Max .traction (Drawbar pull)		Kg (lb)	9290 (20,490)		13700 (30,200)	14705 (32,420)
Min. turning radius**		mm (ft.in)	7400 (24'3")	7600 (24'11")	7700 (25'3")	7900 (25'11")***
DIMENSIONS:						
Overall length		mm (ft.in)	9205 (30'2")	9600 (31'6")	9540 (31'4")	11470 (37'8")
Treads: Front		mm (ft.in)	2170 (7'1")	2290 (7'6")	2300 (7'7")	2620 (8'7")
Rear		mm (ft.in)	2160 (7'1")	2290 (7'6")	2300 (7'7")	2620 (8'7")
Articulation angle (each)		degree	25	27	27	25
ENGINE:						
Model			KOMATSU SAA6D107E-1	KOMATSU SAA6D114E-3	KOMATSU SAA6D125-5	KOMATSU S6D140E
No. of cylinders-bore × stroke		mm (in)	6 - 107 × 124 (4.21 × 4.88)	6 - 114 × 135 (4.49 × 5.31)	6 - 125 × 150 (4.92 × 5.91)	6-140 × 165 (5.51 × 6.50)
Piston displacement		ltr. (in ³)	6.69 (408)	8.27 (505)	11.04 (674)	15.24 (930)
CAPACITY						
Fuel tank		ltr. (U.S. Gal)	416 (109.9)	408 (108)	400 (105.7)	500 (132.1)
*) Spec conditions:						
Blade		mm (ft.in)	3710 (12'2")	4320 (14'2")	4320 (14'2")	4878 (16'0")
Tire			17.5R25	20.5R25	20.5R25	23.5-25-12PR
Upper attachment			ROPS cab	ROPS/FOPS cab	ROPS cab	ROPS cab

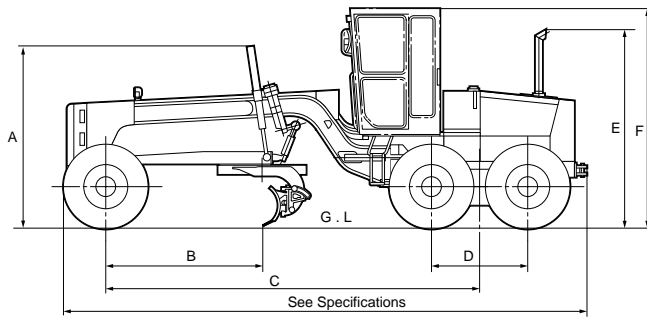
** At center of front outside tire, combining the use of full articulation, full front wheel steering and leaning.

*** With differential

T1 : EPA Tier 1

T3/S3A : EPA Tier 3 and Stage 3A

T4F/S4 : EPA Tier 4 Final and Stage 4



Item		Model	GD511A-1 GD511A-1***	GD535-5	GD535-5***	GD535-5**	GD555-5
BLADE:	Length	mm (ft.in)	3710 (12'2")	3710 (12'2")	3710 (12'2")	3710 (12'2")	3710 (12'2")
	Height*	mm (ft.in)	645 (2'1")	645 (2'1")	645 (2'1")	645 (2'1")	645 (2'1")
TIRES			13.00-24-8PR	14.00-24-12PR	13.00-24-12PR	14.00-24-12PR	14.00-24-10PR
DIMENSIONS:							
A	Height to top of the blade lift cylinders	mm (ft.in)	2815 (9'3")				
B	Distance between center of front tires and blade edge	mm (ft.in)	2540 (8'4")	2265 (7'5")	2265 (7'5")	2265 (7'5")	2380 (7'10")
C	Wheelbase	mm (ft.in)	5780 (19')	6100 (20'0")	6100 (20'0")	6100 (20'0")	6270 (20'7")
D	Distance between centers of tandem wheels	mm (ft.in)	1535 (5'0")	1525 (5'0")	1525 (5'0")	1525 (5'0")	1525 (5'0")
E	Height to top of the stack	mm (ft.in)	3165 (10'5")	2840 (9'4")	3055 (10'0")	2840 (9'4")	2997 (9'10")
F	Overall height:	mm (ft.in)					
	When installing the						
	-CANVAS CANOPY		3355 (11')		3145 (10'4")		
	-ROPS CANOPY		3500 (11'6")				
	-ROPS CAB (Low)			3250 (10'8")		3250 (10'8")	3200 (10'6")
	-ROPS CAB (High)		3485 (11'5")				
	-STEEL CAB		3340 (11')				
	Articulation angle	degree	27	25	25	25	25
	Width over tires:	mm (ft.in)					
	Front		2395 (7'10")	2455 (7'11")	2425 (7'11")	2455 (7'11")	2495 (8'2")
	Rear		2395 (7'10")	2455 (7'11")	2425 (7'11")	2455 (7'11")	2485 (8'2")
	Ground clearance	mm (ft.in)	365 (1'2")	385 (1'3")	365 (1'2")	385 (1'3")	390 (1'3")

Item		Model	GD655-6	GD655-6*4	GD655-5	GD655-5**	GD663A-2
BLADE:	Length	mm (ft.in)	3660 (12'0")	4270 (14'0")	3710 (12'2")	3710 (12'2")	3710 (12'2")
	Height*	mm (ft.in)	660 (2'2")	660 (2'2")	645 (2'1")	660 (2'2")	645 (2'1")
TIRES			14.00-R24(XGL)	17.5 R25	14.00-24-10PR	17.5 R25	14.00-24-10PR
DIMENSIONS:							
A	Height to top of the blade lift cylinders	mm (ft.in)					
B	Distance between center of front tires and blade edge	mm (ft.in)	2580 (8'6")	2580 (8'6")	2580 (8'6")	2580 (8'6")	2600 (8'6")
C	Wheelbase	mm (ft.in)	6495 (21'4")	6495 (21'4")	6480 (21'3")	6480 (21'3")	6000 (19'8")
D	Distance between centers of tandem wheels	mm (ft.in)	1525 (5'0")	1525 (5'0")	1525 (5'0")	1525 (5'0")	1535 (5')
E	Height to top of the stack	mm (ft.in)	3030 (9'11")	3030 (9'11")	2997 (9'10")		3130 (10'3")
F	Overall height:	mm (ft.in)					
	When installing the						
	-CANVAS CANOPY						
	-ROPS CANOPY						
	-ROPS CAB (Low)		3200 (10'6")	3200 (10'6")	3200 (10'6")	3200 (10'6")	
	-ROPS CAB (High)						
	-STEEL CAB						3360 (11'0")
	Articulation angle	degree	25	25	25	25	26
	Width over tires:	mm (ft.in)					
	Front		2485 (8'2")	2630 (8'8")	2495 (8'2")	2615 (8'7")	2470 (8'1")
	Rear		2485 (8'2")	2630 (8'8")	2485 (8'2")	2615 (8'7")	2470 (8'1")
	Ground clearance	mm (ft.in)	350 (1'2")		390 (1'3")		393 (1'3")

* Blade arc length
 ** Brazil source
 *** Indonesia source

*4 for USA

Item		Model	GD675-6	GD675-5	GD705-5	GD755-5R	GD825A-2
BLADE:	Length	mm (ft.in)	4270 (14'0")	4320 (14'2")	4320 (14'2")	4320 (14'2")	4878 (16')
	Height*	mm (ft.in)	660 (2'2")	645 (2'1")	700 (2'4")	700 (2'4")	850 (2'9")
TIRES			17.5 R25	17.5 R25	20.5R25	20.5R25	23.5-25-12PR
DIMENSIONS:							
A	Height to top of the blade lift cylinders	mm (ft.in)					3300 (10'10")
B	Distance between center of front tires and blade edge	mm (ft.in)	2580 (8'6")	2580 (8'6")	2700 (8'10")	2860 (9'5")	3100 (10'2")
C	Wheelbase	mm (ft.in)	6495 (21'4")	6480 (21'3")	6800 (22'4")	6750 (22'2")	7100 (23'4")
D	Distance between centers of tandem wheels	mm (ft.in)	1525 (5'0")	1525 (5'0")	1680 (5'6")	1653 (5'5")	1840 (6')
E	Height to top of the stack	mm (ft.in)	3030 (9'11")	2997 (9'10")	2940 (9'8")	3135 (10'3")	3490 (11'5")
F	Overall height:	mm (ft.in)					
	When installing the						
	-CANVAS CANOPY						
	-ROPS CAB (Low)		3200 (10'6")	3200 (10'6")	3260 (10'8")	3535 (11'7")	3550 (11'8")
	-ROPS CAB (High)						3550 (11'8")
	-STEEL CAB						
	Articulation angle	degree	25	25	25	27	25
	Width over tires:	mm (ft.in)					
	Front		2630 (8'8")	2640 (8'8")	2790 (9'2")	2800 (9'2")	3310 (11'10")
	Rear		2630 (8'8")	2630 (8'8")	2790 (9'2")	2800 (9'2")	3310 (11'10")
	Ground clearance	mm (ft.in)		390 (1'3")	395 (1'4")	390 (1'3")	440 (1'5")

* Blade arc length

*4 for USA

** Brazil source

*** Indonesia source

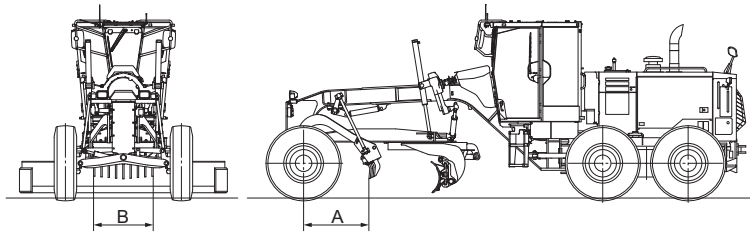
● :Standard equipment
○ :Optional equipment

Item	Model	GD 511A-1	GD 535-5	GD 555-5	GD 655-6	GD 655-6*	GD 655-5	GD 663A-2	GD 675-6	GD 675-5
BLADE										
2.2 m (7 ft)										
2.5 m (8 ft)										
2.8 m (9 ft)										
3.05 m (10 ft)										
3.1 m (10 ft)										
3.4 m (11 ft)										
3.7 m (12 ft)		●	●	●	●	○	●	●	○	●
4.0 m (13 ft)								○		
4.3 m (14 ft)				○	○	●	○	○	●	○
4.9 m (16 ft)										
VARIABLE BLADE										
HYDRAULIC BLADE TIP CONTROL		○	○	●	●	●	●	○	●	
EXTENSION BLADE										
FRONT DOZER BLADE		○		○	○	○	○	○	○	○
SCARIFIER										
5 teeth										
6 teeth										
7 teeth										
9 teeth		○	○							
11 teeth		○		○	○	○	○	○	○	○
REPLACEBLE TIP TEETH FOR SCARIFIER		○	○	○	○	○	○	○	○	○
REAR MOUNT RIPPER			○	○	○	○	○	○	○	○
PUSH PLATE			○	○	○	○	○	○	○	○

● :Standard equipment
○ :Optional equipment

Item	Model	GD 705-5	GD 755-5R	GD 825A-2						
BLADE										
2.2 m (7 ft)										
2.5 m (8 ft)										
2.8 m (9 ft)										
3.05 m (10 ft)										
3.1 m (10 ft)										
3.4 m (11 ft)										
3.7 m (12 ft)										
4.0 m (13 ft)										
4.3 m (14 ft)		●	●							
4.9 m (16 ft)			○	●						
VARIABLE BLADE										
HYDRAULIC BLADE TIP CONTROL		●		●						
EXTENSION BLADE										
FRONT DOZER BLADE		○								
SCARIFIER										
5 teeth										
6 teeth										
7 teeth										
9 teeth										
11 teeth		○								
REPLACEBLE TIP TEETH FOR SCARIFIER		○								
REAR MOUNT RIPPER		○	○	○						
PUSH PLATE		○	○	○						

* USA version



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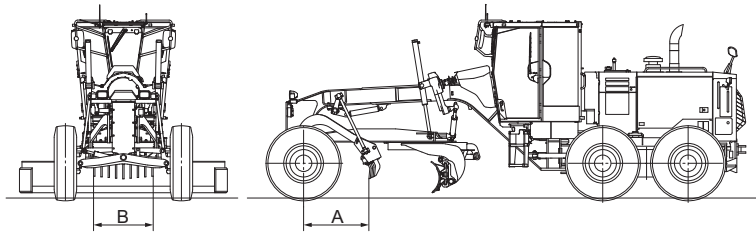
Model		GD511A-1***		GD511A-1***	
Item		9		11	
NO.OF TEETH					
ADDITIONAL WEIGHT:	kg (lb)	Standard Teeth	Point Teeth	Standard Teeth	Point Teeth
To operating weight		+660 (+1,460)	+665 (+1,470)	+690 (+1,520)	+695 (+1,530)
To front axle		[+685 (+1,510)]	[+690 (+1,520)]	[+715 (+1,580)]	[+720 (+1,590)]
To rear axle		+565 (+1,250)	+570 (+1,260)	+590 (+1,300)	+595 (+1,300)
		[+585 (+1,290)]	[+590 (+1,300)]	[+610 (+1,340)]	[+615 (+1,360)]
		+95 (+210)	+95 (+210)	+100 (+220)	+100 (+220)
		[+100 (+220)]	[+100 (+220)]	[+105 (+230)]	[+105 (+230)]
DIMENSIONS:					
A: Distance between teeth and center of front tire	mm (ft.in)	970 (3'2")	850 (2'9")	970 (3'2")	850 (2'9")
SCARIFIER LOAD*	kg (lb)	4440 (9,790)	4335 (9,560)	4470 (9,850)	4265 (9,400)
SCARIFIER RANGE:					
Digging angle	degree	61 ~ 74	51 ~ 64	61 ~ 74	51 ~ 64
Max. lift above ground	mm (ft.in)	340 (1'1")	320 (1'1")	340 (1'1")	340 (1'1")
		[530 (1'9")]	[495 (1'7")]	[530 (1'9")]	[530 (1'9")]
Max. digging depth	mm (ft.in)	260 (10.2")	260 (10.2")	260 (10.2")	260 (10.2")
		[290 (11.4")]	[290 (11.4")]	[290 (11.4")]	[290 (11.4")]
SCARIFIER EQUIPMENT:		V-type, 2-stage adjustable			
Type					
Weight	kg (lb)	660 (1,460)	665 (1,470)	690 (1,520)	695 (1,530)
B: Digging width	mm (ft.in)	1065 (3'6")	1090 (3'7")	1325 (4'4")	1350 (4'5")
Tooth:					
As-installed	mm (in)	275 × 77 × 25	185 × 50 × 36.3	275 × 77 × 25	185 × 50 × 36.3
Height × width × thickness		(10.8" × 3.0" × 1.0")	(7.3" × 2.0" × 1.4")	(10.8" × 3.0" × 1.0")	(7.3" × 2.0" × 1.4")

Model		GD535-5	GD555-5	GD655-6	GD655-5 GD675-5
Item		9		11	
NO.OF TEETH					
ADDITIONAL WEIGHT:	kg (lb)	Standard Teeth	Point Teeth		
To operating weight		+580 (+1,280)	+645 (+1,420)	+645 (+1,420)	+645 (+1,420)
To front axle		+465 (+1,030)	+565 (+1,250)	+565 (+1,250)	+565 (+1,250)
To rear axle		+115 (+250)	+80 (+176)	+80 (+176)	+80 (+176)
DIMENSIONS:					
A: Distance between teeth and center of front tire	mm (ft.in)	945 (3'1")	915 (3'0")	915 (3'0")	915 (3'0")
SCARIFIER LOAD*	kg (lb)	4920 (10,850)	5510 (12,150)	5670 (12,500)	5555 (12,250)
SCARIFIER RANGE:					
Digging angle	degree	62 ~ 78	51 ~ 68	51 ~ 68	51 ~ 68
Max. lift above ground	mm (ft.in)	330 (1'1")	350 (1'2")	350 (1'2")	345 (1'2")
Max. digging depth	mm (ft.in)	200 (7.9")	205 (8.1")	205 (8.1")	210 (8.3")
SCARIFIER EQUIPMENT:		V-type, 2-stage adjustable			
Type					
Weight	kg (lb)	580 (1,280)	645 (1,420)	645 (1,420)	645 (1,420)
B: Digging width	mm (ft.in)	1065 (3'6")	1430 (4'8")	1430 (4'8")	1430 (4'8")
Tooth:					
As-installed	mm (in)	275 × 77 × 25	185 × 50 × 36.3	185 × 50 × 36.3	185 × 50 × 36.3
Height × width × thickness		(10.8" × 3.0" × 1.0")	(7.3" × 2.0" × 1.4")	(7.3" × 2.0" × 1.4")	(7.3" × 2.0" × 1.4")

*: SCARIFIER LOAD: When the scarifier and rear tires support the machine's weight

***: Including the scarifier bracket weight

[] : When installing the adjustable type lifting rod



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Item	Model	GD675-6	GD663A-2		GD705-5
NO. OF TEETH		11	11		11
ADDITIONAL WEIGHT:	kg (lb)	Point Teeth	Standard Teeth	Point Teeth	Point Teeth
To operating weight		+645 (+1,420)	+710 (+1,570)	+715 (+1,580)	+975 (+2,150)
To front axle		+565 (+1,250)	+615 (+1,360)	+620 (+1,370)	+870 (+1,920)
To rear axle		+80 (+176)	+95 (+210)	+95 (+210)	+105 (+230)
DIMENSIONS:					
A: Distance between teeth and center of front tire	mm (ft.in)	915 (3'0")	950 (3'1")	830 (2'9")	935 (3'1")
SCARIFIER LOAD*	kg (lb)	5670 (12,500)	5380 (11,860)	5265 (11,610)	7390 (16, 290)
SCARIFIER RANGE:					
Digging angle	degree	51 ~ 68	61 ~ 74	51 ~ 64	53 ~ 70
Max. lift above ground	mm (ft.in)	350 (1'2)	350 (1'2)	330 (1'1")	380 (1'3")
Max. digging depth	mm (ft.in)	205 (8.1")	240 (9.4")	240 (9.4")	210 (8.3")
SCARIFIER EQUIPMENT:		V-type, 2-stage adjustable			
Type					
Weight	kg (lb)	640 (1,410)	710 (1,570)	715 (1,580)	975 (2,150)
B: Digging width	mm (ft.in)	1430 (4'8")	1325 (4'4")	1350 (4'5")	1350 (4'5")
Tooth:					
As-installed	mm (in)	185 × 50 × 36.3	275 × 77 × 25	185 × 50 × 36.3	185 × 50 × 36.3
Height × width × thickness		(7.3" × 2.0" × 1.4")	(10.8" × 3.0" × 1.0")	(7.3" × 2.0" × 1.4")	(7.3" × 2.0" × 1.4")

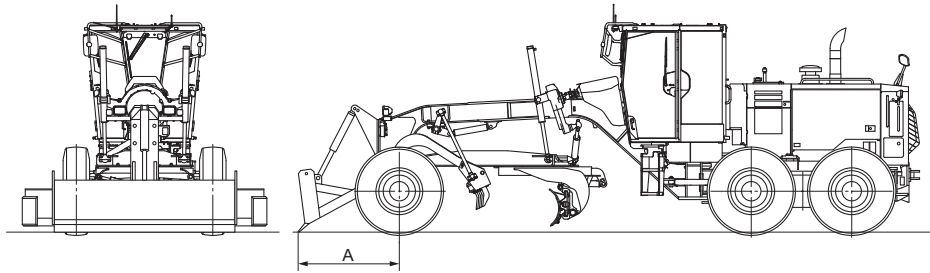
*: SCARIFIER LOAD: When the scarifier and rear tires support the machine's weight

***: Including the scarifier bracket weight

[]: When installing the adjustable type lifting rod

Front Dozer Blade Specifications

MOTOR GRADERS



FVBH0591

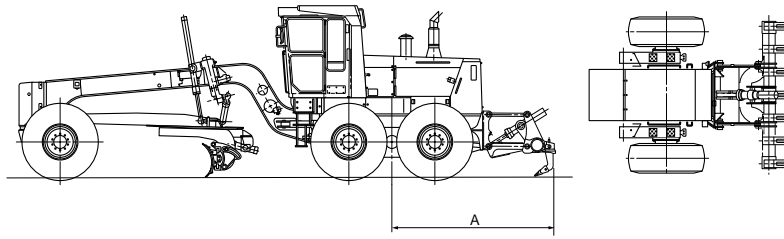
Item		Model	GD511A	GD555-5	GD655-6 GD675-6
ADDITIONAL WEIGHT:					
To operating weight	kg (lb)		+405 (+890)	+835 (+1,480)	+835 (+1,840)
To front axle			+500 (+1,100)	+965 (+2,130)	+965 (+2,130)
To rear axle			-95 (-210)	-130 (-290)	-130 (-290)
ADDITIONAL OVERALL LENGTH:					
A: Distance between blade edge and center of front tire	mm (ft.in)		1380 (4'6")	1445 (4'9")	1445 (4'9")
BLADE RANGE:					
Digging angle	degree		54.5	56	56
Max. lift above ground	mm (ft.in)		545 (1'9")	565 (1'10")	565 (1'10")
Max. digging depth	mm (ft.in)		165 (6.5")	138 (5.4")	138 (5.4")
BLADE EQUIPMENT:			Front arc, box section type hydraulically controlled		
Type					
Weight	kg (lb)		826 (1,820)	835 (1,840)	845 (1,860)
Length	mm (ft.in)		2525 (8'3")	2500 (8'2")	2500 (8'2")
Height	mm (ft.in)		850 (2'9")	860 (2'10")	860 (2'10")

Item		Model	GD655-5 GD675-5	GD663A-2	GD705-5
ADDITIONAL WEIGHT:					
To operating weight	kg (lb)		+835 (+1,840)	+855 (+1,880)	+1075 (+2,370)
To front axle			+965 (+2,130)	+985 (+2,170)	+1235 (+2,720)
To rear axle			-130 (-290)	-130 (-290)	-160 (-350)
ADDITIONAL OVERALL LENGTH:					
A: Distance between blade edge and center of front tire	mm (ft.in)		1445 (4'9")	1445 (4'9")	1515 (4'11")
BLADE RANGE:					
Digging angle	degree		56		56
Max. lift above ground	mm (ft.in)		565 (1'10")	550 (1'10")	565 (1'10")
Max. digging depth	mm (ft.in)		138 (5.4")	157 (6.2")	142 (5.6")
BLADE EQUIPMENT:			Front arc, box section type, hydraulically controlled		
Type					
Weight	kg (lb)		835 (1,840)	855 (1,880)	1075 (2,370)
Length	mm (ft.in)		2500 (8'2")	2525 (8'3")	3060 (10'1")
Height	mm (ft.in)		860 (2'10")	850 (2'9")	860 (2'9")

*: As the front counterweight is removed when installing the front blade, "Additional weight" differs from "Blade weight".

Rear Mounted Ripper Specifications

MOTOR GRADERS

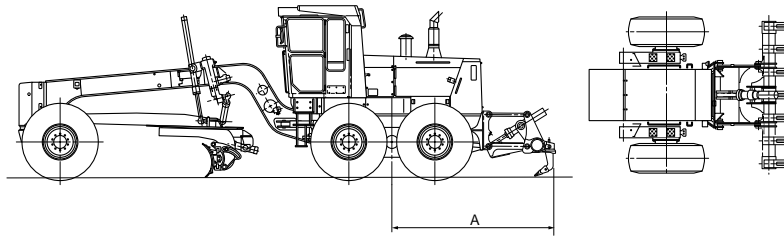


Item		Model	GD535-5	GD555-5	GD655-6 GD675-6
ADDITIONAL WEIGHT:	To operating weight		+1470 (+3,240)	+1930 (+4,250)	+2135 (+4,710)
	To front axle	kg (lb)	+815 (+1,800)	+830 (+1,830)	+870 (+1,920)
	To rear axle		+655 (+1,440)	+1100 (+2,430)	+1265 (+2,790)
ADDITIONAL OVERALL LENGTH:	A: Distance between ripper end and center of tandem wheel	mm (ft.in)	2780 (9'1")	3170 (10'5")	3455 (11'4")
	RIPPER RANGE:				
	Cutting angle	degree	45	38	38
	Max. lift above ground	mm (ft.in)	560 (1'10")	555 (1'10")	615 (2'0")
	Max. digging depth	mm (ft.in)	275 (10.7")	425 (1'5")	425 (1'5")
RIPPER EQUIPMENT:	Type		Parallerogram type, hydraulically controlled	Parallerogram type, hydraulically controlled	Parallerogram type, hydraulically controlled
	Weight	kg (lb)	600 (1,320)	950 (2,090)	1030 (2,270)
	Beam length	mm (ft.in)	2225 (7'4")	2305 (7'7")	2305 (7'7")
	Shanks:				
	No. of shanks/Pitch	mm (ft.in)	3/995 (3'3") 5/460 (1'6")	3/1070 (3'6") 5/535 (1'9")	3/1070 (3'6") 5/535 (1'9")
Teeth point type		Replaceable	Replaceable	Replaceable	

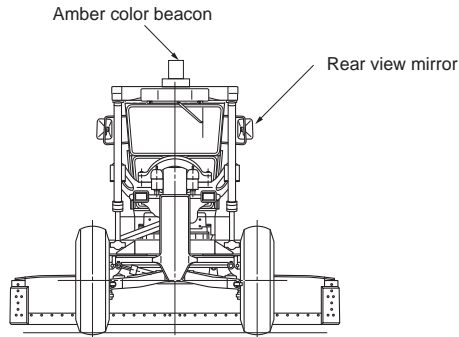
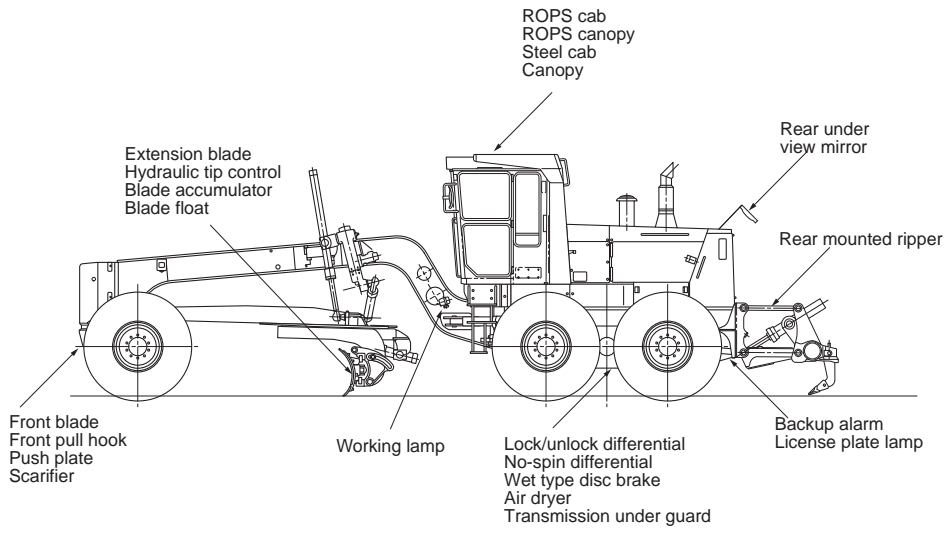
Item		Model	GD655-5 GD675-5	GD663A-2	GD705-5
ADDITIONAL WEIGHT:	To operating weight		+1930 (+4,250)	+1510 (+3,330)	+2155 (+4,750)
	To front axle	kg (lb)	+835 (+1,840)	+400 (+880)	+330 (+730)
	To rear axle		+1095 (+2,410)	+1110 (+2,450)	+1825 (+4,020)
ADDITIONAL OVERALL LENGTH:	A: Distance between ripper end and center of tandem wheel	mm (ft.in)	3170 (10'5")	2975 (9'9")	3355 (11'0")
	RIPPER RANGE:				
	Cutting angle	degree	38	38	38
	Max. lift above ground	mm (ft.in)	555 (1'10")	580 (1'11")	635 (2'1")
	Max. digging depth	mm (ft.in)	425 (1'5")	425 (1'5")	380 (1'3")
RIPPER EQUIPMENT:	Type		Parallerogram type, hydraulically controlled	Parallerogram type, hydraulically controlled	Parallerogram type, hydraulically controlled
	Weight	kg (lb)	950 (2,090)	950 (2,090)	1355 (2,990)
	Beam length	mm (ft.in)	2305 (7'7")	2305 (7'7")	2370 (7'9")
	Shanks:				
	No. of shanks/Pitch	mm (ft.in)	3/1070 (3'6") 5/535 (1'9")	3/1070 (3'6") 5/535 (1'9")	3/1005 (3'4") 5/465 (1'6")
Teeth point type		Replaceable	Replaceable	Replaceable	






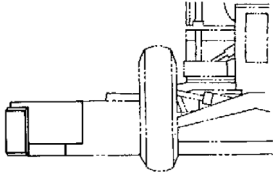

Rear Mounted Ripper Specifications



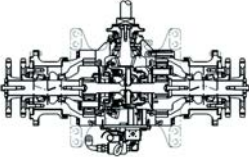
MOTOR GRADERS



Item	Model	GD755-5R	GD825A-2
ADDITIONAL WEIGHT: To operating weight To front axle To rear axle	kg (lb)	+2730 (+6,020) +130 (+290) +2600 (+5,730)	+2584 (+5,700) -37 (-82) 2621 (+5,780)
ADDITIONAL OVERALL LENGTH: A: Distance between ripper end and center of tandem wheel	mm (ft.in)	3345 (11'0")	3490 (11'5")
RIPPER RANGE: Cutting angle Max. lift above ground Max. digging depth	degree mm (ft.in) mm (ft.in)	38 625 (2'1") 390 (1'3")	42 675 (2'3") 480 (1'7")
RIPPER EQUIPMENT: Type Weight Beam length Shanks: No. of shanks/Pitch Teeth point type	 kg (lb) mm (ft.in) mm (ft.in)	 Parallerogram type, hydraulically controlled 1510 (3,330) 2645 (8'8") 3/1245 (4'1") 7/415 (1'4") Replaceable	 Parallerogram type, hydraulically controlled 2015 (4,440) 2065 (10'1") 3/1425 (4'8") 7/475 (1'7") Replaceable



Description	Features
<p>ROPS (Roll Over Protective Structure) cab</p> 	<p>Enclosed cabin with wiper and washer protects the operator from the wind, rain, cold, sand and sun. Offers large capacity air conditioner and high sound insulation, resulting in more comfortable environment. All cabins are also designed to ensure ROPS/FOPS (ISO 3471/ISO 3449) certification.</p>
<p>ROPS canopy</p> 	<p>Protect the operator from the sun. All canopies are also designed to ensure ROPS/FOPS (ISO 3471/ISO 3449) certification.</p>
<p>Front blade</p> 	<p>Use the front blade for light-duty operations such as dozing and carrying work or spreading the pile of materials which have been unloaded from the dump truck. Do not use it for heavy-duty digging or the work on which a load is applied only one side.</p>
<p>Push plate</p> 	<p>The push plate is used for pushing machine up in muddy terrain. This is also offers two nails which can be used for towing. The push plate is also used as a counterweight to maintain weight distribution.</p>
<p>Scarifier</p> 	<p>This attachment digs up hard ground, like asphalt, old pavement and frozen surfaces cannot be removed by the blade. The number of teeth used depends upon the ground hardness. High-strength alloy steel tips can be mounted on the teeth to prevent tooth wear and extend their service for economical performance.</p>
<p>Extension blade</p> 	<p>By extending the blade length on side or on both sides, a larger operating width is obtained, so the work can be carried out with high efficiency. This can only be used for light duty operations such as leveling soil. It is not possible to carry out bank cutting with extension blade at the bottom.</p>
<p>Hydraulic blade tip control</p> 	<p>Adjusts the blade - cutting angle according to ground and travel - speed conditions. The angle is freely controlled with a lever operable from the operator's seat.</p>

Description	Features
<p>Blade accumulator</p> 	<p>To relieve the shock caused by load when using the blade. The load on the blade is kept constant without operate the blade lift lever, so blade operation become easy.</p>
<p>Blade float</p>	<p>By setting the blade lift cylinder to free, so that only the weight of the blade is applied to the surface.</p>
<p>Rear mounted ripper</p> 	<p>This attachment can be used to dig out rocks or to loosen hard ground not removable by scarifier. A push plate or counterweight must be mounted at the same time.</p>
<p>Lock / unlock differential gear</p> 	<p>The differential built in the final drive case provides the following precise operations. Excellent leveling even when the machine is turning a corner. Reduced turning radius. Reduced tire wear. By locking the differential, sufficient traction is obtained even in muddy terrain. Lock or unlock are selectable by turning a switch.</p>

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SECTION **7**

BACKHOE LOADERS Sec 7



SECTION **7**

BACKHOE LOADERS

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Specifications

BACKHOE LOADERS

Item		Model	WB93R-8	WB93S-5E0	WB97R-5E0	WB97S-5E0
Emissions			T4F/S4	T3/S3A	T3/S3A	T3/S3A
OPERATING WEIGHT*		kg (lb)	8130 (17,920)	8550 (18,850)	8160 (17,990)	8700 (19,180)
HORSEPOWER:						
SAE J1995:	Gross	kW (HP)/rpm	75 (101)/2300	74 (99.2)/2200	74 (99.2)/2200	74 (99.2)/2200
ISO9249/SAE J1349:	Net	kW (HP)/rpm	68.6 (92)/2300			
LOADER BUCKET CAPACITY		m ³ (cu.yd)	1.03 (1.35)	1.10 (1.43)	1.03 (1.35)	1.10 (1.43)
PERFORMANCE:						
Travel speeds:		km/h (MPH)				
Forward	Working	1st	6 (3.7)	6 (3.7)	6.5 (4.0)	6.5 (4.0)
		2nd	10 (6.2)	10 (6.2)	11 (6.8)	11 (6.8)
	Travel	3rd	21 (13.0)	23 (14)	23 (14)	23 (14)
		4th	40 (25)	40 (25)	40 (25)	40 (25)
Reverse	Working	1st	6 (3.7)	6 (3.7)	6.5 (4.0)	6.5 (4.0)
		2nd	10 (6.2)	10 (6.2)	11 (6.8)	11 (6.8)
	Travel	3rd	21 (13.0)	23 (14)	23 (14)	23 (14)
		4th	40 (25)	40 (25)	40 (25)	40 (25)
Turning radius* (Outside corner of bucket)		mm (ft.in)	5625 (18'5")	4770 (15'8")	4350 (14'3")	4770 (15'8")
DIMENSIONS*:						
Overall length***		mm (ft.in)	5990 (19'8")	5880 (19'4")	5933 (19'6")	5856 (19'3")
Overall width		mm (ft.in)	2340 (7'8")	2420 (7'11")	2320 (7'7")	2420 (7'11")
Overall height**		mm (ft.in)	2900 (9'6")	2820 (9'3")	2900 (9'6")	3009 (9'10")
Wheelbase		mm (ft.in)	2175 (7'2")	2215 (7'3")	2173 (7'2")	2215 (7'3")
Treads (front)		mm (ft.in)	1910 (6'3")	1950 (6'5")	1910 (6'3")	1950 (6'5")
Treads (rear)		mm (ft.in)	1800 (5'11")	1950 (6'5")	1800 (5'11")	1950 (6'5")
Articulation angle (each)		degree	—	—	—	—
ENGINE:						
Model			KOMATSU SAA4D99E-1	KOMATSU SAA4D104E-1	KOMATSU SAA4D104E-1	KOMATSU SAA4D104E-1
No. of cylinders-			4-99 × 110	4-104 × 132	4-104 × 132	4-104 × 132
bore × stroke		mm (in)	(3.9 × 4.33)	(4.1 × 5.2)	(4.1 × 5.2)	(4.1 × 5.2)
Piston displacement		ltr. (cu.in)	3.4 (207)	4.485 (274)	4.485 (274)	4.485 (274)
CAPACITY:						
Fuel tank		ltr. (U.S. Gal)	130 (34.3)	150 (39.6)	150 (39.6)	150 (39.6)

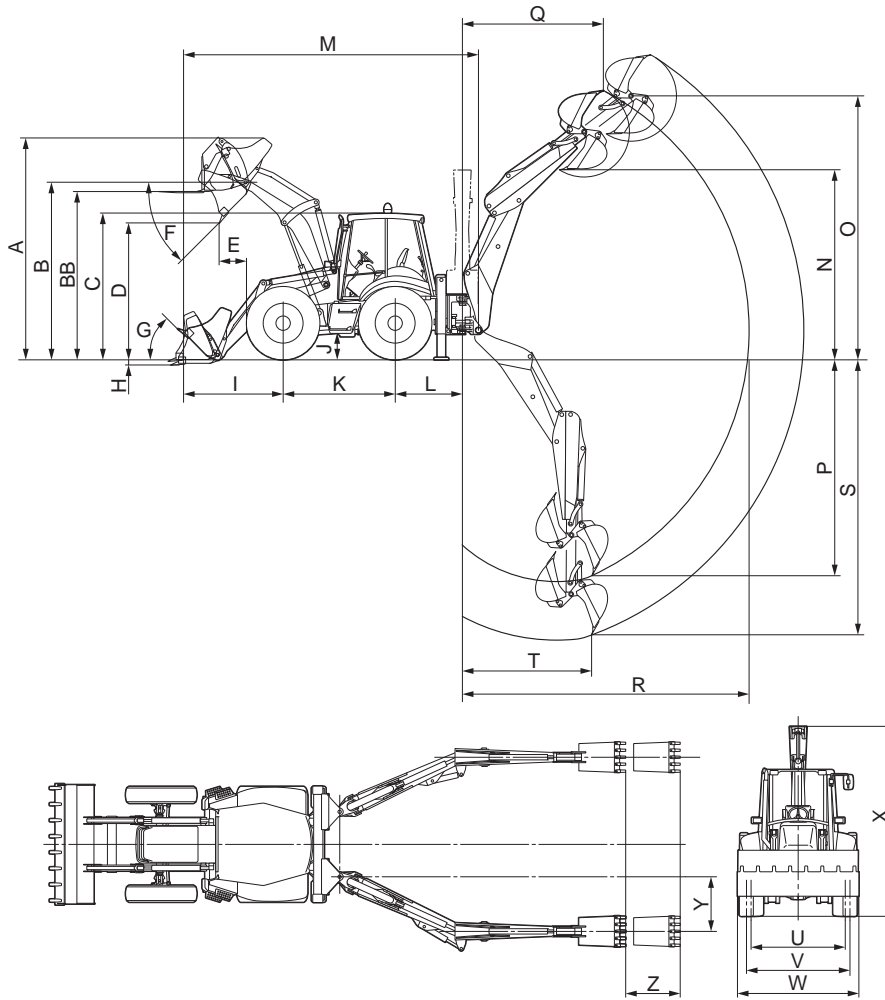
* With standard tires and bucket

** Height to top of the cab

*** Transport length

T3/S3A : EPA Tier 3 and EU Stage 3A equivalent model

T4F/S4 : EPA Tier 4 Final and EU Stage 4 model



FVBH0330

	A mm (ft.in)	B mm (ft.in)	BB mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F deg.	G deg.	H mm (ft.in)	I mm (ft.in)	J mm (ft.in)	K mm (ft.in)	L mm (ft.in)
WB93R-8	4300 (14'1")	3430 (11'3")	3180 (10'5")	2900 (9'6")	2580 (8'6")	725 (2'5")	45	45	140 (5.5")	2190 (7'2")	385 (1'3")	2175 (7'2")	1320 (4'4")
WB93S-5E0	4267 (14'0")	3480 (11'5")	3165 (10'5")	2960 (9'9")	2820 (9'3")	650 (2'2")	40	45	184 (7.2")	2056 (6'9")	450 (1'6")	2215 (7'3")	1325 (4'4")
WB97R-5E0	4298 (14'1")	3428 (11'3")	3182 (10'3")	2900 (9'6")	2778 (9'1")	724 (2'5")	43	45	137 (5.4")	2133 (7'0")	380 (1'3")	2173 (7'2")	1325 (4'4")
WB97S-5E0	4317 (14'2")	3530 (11'7")	3215 (10'7")	3009 (9'10")	2870 (9'5")	595 (1'11")	40	45	134 (5.3")	2143 (7'0")	455 (1'6")	2215 (7'3")	1325 (4'4")

	M mm (ft.in)	N mm (ft.in)	O mm (ft.in)	P mm (ft.in)	Q mm (ft.in)	R mm (ft.in)	S mm (ft.in)	T mm (ft.in)	U mm (ft.in)	V mm (ft.in)	W mm (ft.in)	X mm (ft.in)	Y mm (ft.in)	Z mm (ft.in)
WB93R-8	5990 (19'8")	3720 (12'2")	5790 (19'0")	4260 (14'0")	2795 (9'2")	5755 (18'11")	4980 (16'4")	1970 (6'6")	1800 (5'11")	1910 (6'3")	2340 (7'8")	3750 (12'4")		
WB93S-5E0	5880 (19'3")	3800 (12'6")	5830 (19'2")	4158 (13'8")	2454 (8'1")	5760 (18'11")	4850 (15'11")	1990 (6'6")	1950 (6'5")	1950 (6'5")	2420 (7'11")	3850 (12'8")	605 (2'0")	1140 (3'9")
WB97R-5E0	5933 (19'6")	3895 (12'9")	6011 (19'9")	4557 (14'11")	2760 (9'1")	6039 (19'10")	5270 (17'3")	1973 (6'6")	1800 (5'11")	1910 (6'3")	2320 (7'7")	3750 (12'4")	605 (2'0")	1240 (3'9")
WB97S-5E0	5856 (19'3")	4050 (13'3")	6100 (20'0")	4410 (14'6")	2655 (8'9")	6040 (19'10")	5050 (16'7")	1990 (6'6")	1950 (6'5")	1950 (6'5")	2420 (7'11")	3895 (12'9")	605 (2'0")	1240 (3'9")

SKID STEER LOADERS Sec 8



SKID STEER LOADERS

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Specifications

SKID STEER LOADERS

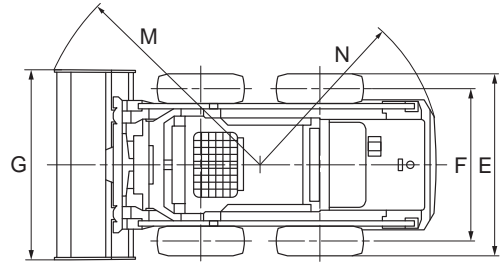
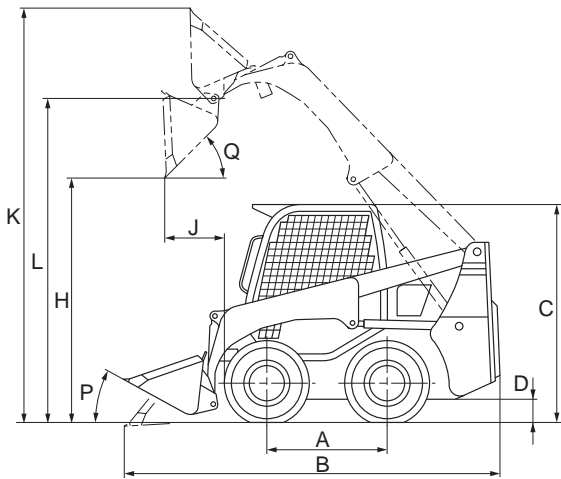
Model		SK510-5	SK714-5	SK815-5E0	SK820-5E0
Emissions		T2/S2	T2/S2	T4i/S3B	T4i/S3B
OPERATING WEIGHT*	kg (lb)	1855 (4,090)	2530 (5,580)	2890 (6,370)	3080 (6,790)
HORSEPOWER: ISO 9249 (net engine power)	kW (HP)/rpm	22.5 (30.2)/2800	33.6 (45.1)/2800	35.0 (46.9)/2600	35.0 (46.9)/2600
BUCKET CAPACITY	m ³ (cu.yd)	0.23 (0.30)	0.35 (0.46)	0.4 (0.52)	0.4 (0.52)
PERFORMANCE:					
Rated operating capacity	kg (lb)	455 (1,000)	650 (1,430)	700 (1,540)	900 (1,980)
Tipping load	kg (lb)	910 (2,010)	1300 (2,870)	1400 (3,090)	1800 (3,970)
Travel speeds:	km/h (MPH)				
Forward Working		10 (6.2)	10.5 (6.5)	10.5 (6.5)	10.5 (6.5)
Trave			16 (9.9)	16 (9.9)	16 (9.9)
Reverse Working		10 (6.2)	10.5 (6.5)	10.5 (6.5)	10.5 (6.5)
Travel			16 (9.9)	16 (9.9)	16 (9.9)
Turning radius* (Outside corner of bucket)	mm (ft.in)	1700 (5'7")	2100 (6'11")	2015 (6'7")	2015 (6'7")
DIMENSIONS*:					
Overall length	mm (ft.in)	2920 (9'7")	3200 (10'6")	3350 (11'0")	3350 (11'0")
Overall width	mm (ft.in)	1260 (4'2")	1550 (5'1")	1730 (5'8")	1730 (5'8")
Overall height**	mm (ft.in)	1925 (6'4")	1960 (6'5")	2000 (6'7")	2000 (6'7")
Wheelbase	mm (ft.in)	825 (2'8")	950 (3'1")	1050 (3'5")	1050 (3'5")
Treads (front and rear)	mm (ft.in)	1010 (3'4")	1250 (4'1")	1385 (4'7")	1385 (4'7")
ENGINE:					
Model		KOMATSU 3D84E-5KFC	KOMATSU 4D88E-5KFD	KOMATSU S4D84E-6BMFD	KOMATSU S4D84E-6BMFD
No. of cylinders- bore × stroke	mm (in)	3-84 × 90 (3.31 × 3.54)	4-88 × 90 (3.46 × 3.54)	4-84 × 90 (3.31 × 3.54)	4-84 × 90 (3.31 × 3.54)
Piston displacement	ltr. (cu.in)	1.50 (91.5)	2.19 (134)	2.00 (122)	2.00 (122)
CAPACITY:					
Fuel tank	ltr. (U.S. Gal)	38.5 (10.2)	53 (14.0)	68 (18.0)	68 (18.0)

* With standard tires and bucket

** Height to top of the cab

T2/S2 : EPA Tier 2 and EU Stage 2

T4i/S3B : EPA Tier 4 Interim and EU Stage 3B



FVBH0216

Item	Model	SK510-5	SK714-5	SK815-5E0	SK820-5E0
A: Wheel base	mm (ft.in)	825 (2'8")	950 (3'1")	1050 (3'5")	1050 (3'5")
B: Overall length	mm (ft.in)	2920 (9'7")	3200 (10'6")	3350 (11'0")	3350 (11'0")
C: Overall height	mm (ft.in)	1925 (6'4")	1960 (6'5")	2000 (6'6")	2000 (6'7")
D: Ground clearance	mm (in)	185 (7.3")	210 (8.3")	210 (8.3")	210 (8.3")
E: Width over tires	mm (ft.in)	1235 (4'1")	1520 (5'0")	1660 (5'5")	1660 (5'5")
F: Tread	mm (ft.in)	1010 (3'4")	1250 (4'1")	1385 (4'7")	1385 (4'6")
G: Bucket width	mm (ft.in)	1260 (4'2")	1550 (5'1")	1730 (5'8")	1730 (5'8")
H: Dumping clearance, max. height	mm (ft.in)	2080 (6'10")	2140 (7'0")	2190 (7'2")	2280 (7'5")
J: Reach at max. height	mm (ft.in)	410 (1'4")	510 (1'8")	530 (1'9")	775 (2'7")
K: Operating height (fully raised)	mm (ft.in)	3485 (11'5")	3630 (11'11")	3730 (12'3")	3820 (12'6")
L: Hinge pin height, max. height	mm (ft.in)	2710 (8'11")	2850 (9'4")	2920 (9'7")	3000 (9'10")
M: Turning radius at bucket corner	mm (ft.in)	1700 (5'7")	2100 (6'11")	2015 (6'7")	2015 (6'7")
N: Turning radius at rear tail corner	mm (ft.in)	1410 (4'8")	1340 (4'5")	1615 (5'4")	1665 (5'6")
P: Tilt back angle, carry position	degree	37	30	30	30
Q: Dump angle, max. height	degree	38	45	45	45

MEMO

A series of horizontal dashed lines for writing.

MOBILE CRUSHERS & RECYCLERS Sec 9



MOBILE CRUSHERS & RECYCLERS

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Item		Model	JAW CRUSHER	
		BR380JG-1E0		
MATERIAL	CONCRETE		⊙	
	NATURAL ROCK, STONE		⊙	
	ASPHALT		○	
	WOOD, TIRE, URBAN WASTE			
MAXIMUM FEED SIZE mm	CONCRETE DEBRIS		1000 × 900 × 475	
	NATURAL ROCK, STONE		425 × 425 × 425	
	CRUSHER OUTPUT		0-50 to 0-150** 0-50 to 0-150*4	
		mm		
	CRUSHING CAPACITY		60-175** 50-240*4	
		ton/h		

- * Asphalt/concrete debris
- ** Concrete debris
- *** Natural stone (Andesite)
- *4 Natural stone (Sandstone)

NOTE: Crushing capacity contains muck.

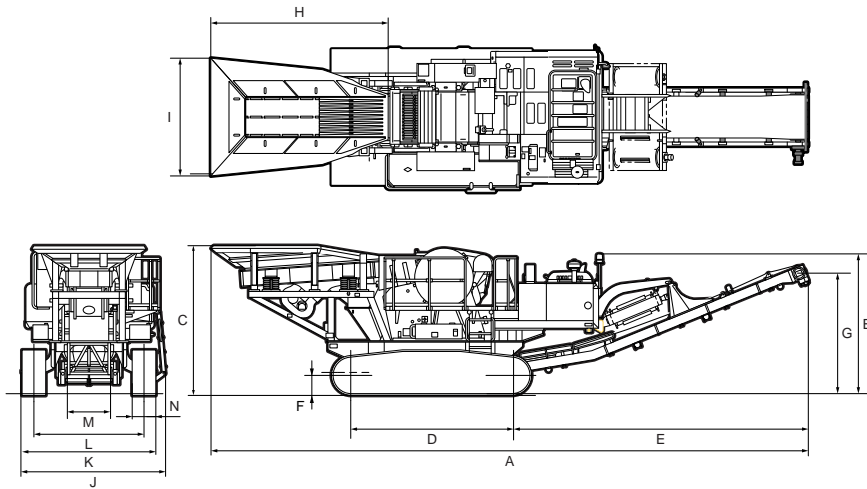
Item	Model		Jaw crusher	
			BR380JG-1E0	
OPERATING WEIGHT	kg (lb)		34000 (74,960)	
HORSEPOWER:				
SAE J1995: Gross	kW(HP)/rpm		149 (200)/2050	
ISO9249/SAE J1349: Net	kW(HP)/rpm		140 (187)/2050	
PERFORMANCE:				
Max. feed-in grain size	mm (in)		Concrete debris 475×900×1000 (18.7×35.4×39.4)	
Travel speed	km/h (MPH)		3.0 (1.9)	
CRUSHER:				
Crushing capacity Concrete debris	ton (U.S.ton)/h		60 ~ 175 (66 ~ 193)	
Natural stones			50 ~ 240** (55 ~ 265)	
ENGINE:				
Model			KOMATSU SAA6D107E-1	
No. of cylinders- bore × stroke	mm (in)		6-107×124 (4.21×4.88)	
Piston displacement	ltr. (cu.in)		6.69 (408)	
DIMENSIONS:				
Overall length* ⁴	mm (ft.in)		12500 (41'0")	
Overall height (transport)			3200 (10'6")	
Overall width (transport)			2810 (9'3")	
Length of track on ground			3275 (10'9")	
Track gauge			2280 (7'6")	
CAPACITY:				
Fuel tank	ltr. (U.S. Gal)		400 (106)	
Hydraulic tank			209 (55.2)	
Applicable base machine (Engine/undercarriage)			PC200-7	

- * Andesite
- ** Sand stones
- *** Concrete debris
- *⁴ Including conveyor

NOTE: Crushing capacity is the sum of crushed volume and muck removal by the Vibratory Grizzly Feeder.

Dimensions

MOBILE CRUSHERS & RECYCLERS



Unit: mm (ft.in)

	BR380JG-1E0		
A	12500	(41'0")	
	12500*	(41'0")	
B	3200	(10'6")	
C	3200*	(10'6")	
	3200	(10'6")	
D	3275	(10'9")	
E	6080	(20'0")	
F	300	(12")	
G	2800	(9'2")	
H	3770	(12'4")	
I	2500	(8'2")	
J	—		
	—		
K	2780	(9'1")	
L	2280	(7'6")	
M	1050	(41.3")	
N	500	(20")	

* at transportation

FOREST MACHINES	Sec 10
HARVESTERS	Sec 10A
FORWARDERS	Sec 10B
TRACKED FELLER BUNCHERS & HARVESTERS	Sec 10C
LOG LOADERS	Sec 10D
EXCAVATOR BASE HARVESTERS & FELLER BUMCHER	Sec 10E
HARVESTER HEADS	Sec 10F

SECTION **10**

FOREST MACHINES

CONTENTS

Forest Machines by Komatsu Forest	10-2
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Komatsu Forest AB is an international group with its head office and technology center in Umea, Sweden. Komatsu Forest produces the Komatsu brand of forestry machines and is one of the world's largest manufacturers of forestry machines. Komatsu Forest has approximately 1,800 employees and is represented on all markets where mechanized forestry is used. Komatsu Forest has its own sales companies in Australia, Brazil, Finland, Norway, the United Kingdom, USA, Sweden and Germany. Komatsu Forest AB is owned by the Japanese company Komatsu Ltd.

For more information about Komatsu Forest and products, visit: www.komatsuforest.com



SECTION **10A**

HARVESTERS

CONTENTS

Features	10A-2
Specifications	10A-3
Dimensions	10A-4
Installation Kit for Komatsu Harvester Heads	10A-5

- **Powerful and efficient engine**

Specially developed engines for forest machines. Six-cylinders turbo diesel with electronic common rail fuel injection which produces a rapid response to increased loads. As it has been specially developed for forest machines, it delivers maximum torque even at low revs. The engines has also been provided with optimized cooling with a computer-controlled fan that detects the temperature. This results in maximum performance combined with reduced fuel consumption. 901, 901XC, 911, 931 and 951 fullfil EPA Tier 4 Final and EU Stage 4 requirements utilizing SCR exhaust after treatment technology.

- **Fast and maneuverable crane**

The cranes are simple and robust and have hydraulic or parallel action. A design with a low centre of gravity and a centrally positioned crane gives an excellent stability. The stabilizer in the rear axle is connected to the cabs and the cranes leveling. With the more lightweight harvester heads the cranes achieves a reach up to 11 meters.

- **Operator comfort**

Leveling produces extremely operator-friendly cabs, where the operator is always sitting flat. This consequently generates extraordinarily good ergonomics, which enable the driver to retain concentration throughout the shift without becoming tired. The slewing cab and the side-mounted crane means that the harvester head is always in focus and the visibility perfect. Low engine noise also contributes to the excellent comfort.

- **Easy maintenance**

The machines are extremely operationally reliable, which minimize the stoppages. They are also easy to maintain and just about all service work can be carried out from ground level. Daily service and checkpoints are naturally easily accessible. Machines are often equipped with centralised greasing system for maximum utilisation of the components which increase durability of the products.

- **Excellent control and information system**

The control and information system, MaxiXplorer, links together the office, the machine and industry in an effective chain. Maxi covers a large number of different programs, for example for machine control, price list management, GIS, production and working info.



901



901



911



931



931XC



951

Specifications

HARVESTERS

Item		Model	901	901XC	911
OPERATING WEIGHT (Min.)		kg (lb)	17390 (38,345) 6WD	20000 (44,100) 8WD	17610 (38,830) 6WD
Number of wheel					
HORSEPOWER (DIN) Gross		kW (HP)/rpm	150 (201)/1900	170 (228)/1900	170 (228)/2100
PERFORMANCE:					
Traction force		kN kgf (lbf)	156 15908 (35,050)	181 18457 (40,690)	163 16621 (36,642)
Travel speed		Road Off-road km/h (MPH)	0 - 20 (12.4) 0 - 8 (5.0)	0 - 20 (12.4) 0 - 7 (4.3)	0 - 20 (12.4) 0 - 8 (5.0)
ENGINE:					
Model			AGCO Power 66 AWF	AGCO Power 66 AWF	AGCO Power 66 AWF
Torque		Nm/rpm	850/1500	950/1500	950/1500
HYDRAULIC SYSTEM:					
Hydraulic pump			Variable capacity	Variable capacity	Variable capacity
Working pressure		MPa (PSI)	28 (4060)	28 (4060)	28 (4060)
CRANE (BOOM):					
Model			200H/200H DT	200H/200H DT	200H/230H DT
Reach with harvester head		m (ft.in)	10/11 (32'10"/36'1")	10/11 (32'10"/36'1")	10/11 (32'10"/36'1")
Lifting moment, gross		kNm (lbf-ft)	198 (146,045)	198 (146,045)	198 (146,045)
WHEEL & AXLES					
Front			650/45 x 24.5 710/40 x 24.5	600/50 x 24.5 710/40 x 24.5	600/55x26.5 710/45x26.5
Rear			600/65 x 34 700/55 x 34	600/50 x 24.5 710/40 x 24.5	600/65 x 34 710/55 x 34
CAPACITY (Refilled)					
Fuel tank		ltr. (U.S. Gal)	385 (102)	420 (111)	385 (102)
Application Harvester Head			S82, S92, C93	S82, S92, C93 C124	S82, S92, C93 C124, S132, C144 V132E

Item		Model	931	931XC	951
OPERATING WEIGHT (Min.)		kg (lb)	19610 (43,240) 6WD	21800 (48,069) 8WD	22620 (49,877) 6WD
Number of wheel					
HORSEPOWER (DIN) Gross		kW (HP)/rpm	185 (248)/1900	185 (248)/1900	210 (282)/1900
PERFORMANCE:					
Traction force		kN kgf (lbf)	168 17131 (37,766)	187 19069 (42,038)	232 23657 (52,154)
Travel speed		Road Off-road km/h (MPH)	0 - 20 (12.4) 0 - 8 (5.0)	0 - 20 (12.4) 0 - 7.6 (4.7)	0 - 20 (12.4) 0 - 7.7 (4.8)
ENGINE:					
Model			AGCO Power 74 AWF	AGCO Power 74 AWF	AGCO Power 74 AWF
Torque		Nm/rpm	1100/1500	1100/1500	1200/1500
HYDRAULIC SYSTEM:					
Hydraulic pump			Variable capacity	Variable capacity	Variable capacity
Working pressure		MPa (PSI)	28 (4060)	28 (4060)	28 (4060)
CRANE (BOOM):					
Model			230H/230H DT	230H/230H DT	270H
Reach with harvester head		m (ft.in)	8.5/9.8/10.8 (27'11"/32'2"/35'5")	8.5/9.8/10.8 (27'11"/32'2"/35'5")	8.5/10.1 (27'11"/33'2")
Lifting moment, gross		kNm (lbf-ft)	229 (168,910)	229 (168,910)	275 (202,840)
WHEEL & AXLES					
Front			600/55 x 26.5 710/45 x 26.5	600/55 x 26.5 710/45 x 26.5	710/55 x 28.5 780/50 x 28.5
Rear			600/65 x 34 710/55 x 34	600/55 x 26.5 710/45 x 26.5	710/70 x 34 750/65 x 34
CAPACITY (Refilled)					
Fuel tank		ltr. (U.S. Gal)	405 (107)	480 (127)	529 (140)
Application Harvester Head			S92, C93, C124 S132, C144, V132E 370E	S92, C93, C124 S132, C144, V132E 370E	C124, S132, C144 V132E, 370E, C202 C202E



Item	Model	901	901XC	911	931
A Machine width, min.	mm (ft.in)	2656 (8'9")	2776 (9'1")	2722 (8'11")	2722 (8'11")
B Length, total	mm (ft.in)	7265 (23'10")	7265 (23'10")	7370 (24'2")	7550 (24'9")
C Length, front axle to articulated joint	mm (ft.in)	1850 (6'1")	1850 (6'1")	1850 (6'1")	1930 (6'4")
D Length, articulated joint to rear axle	mm (ft.in)	1700 (5'7")	2100 (6'11")	1700 (5'7")	1800 (5'11")
E Transport height	mm (ft.in)	3715 (12'2")	3810 (12'6")	3770 (12'4")	3930 (12'11")
F Ground clearance	mm (ft.in)	630 (2'1")	650 (2'2")	660 (2'2")	665 (2'2")

Item	Model	931XC	951
A Machine width, min.	mm (ft.in)	2776 (9'1")	3060 (10'0")
B Length, total	mm (ft.in)	8015 (26'4")	8310 (27'3")
C Length, front axle to articulated joint	mm (ft.in)	1930 (6'4")	2300 (7'7")
D Length, articulated joint to rear axle	mm (ft.in)	2150 (7'1")	1850 (6'1")
E Transport height	mm (ft.in)	3955 (13'0")	3955 (13'0")
F Ground clearance	mm (ft.in)	710 (2'4")	670 (2'2")

Installation kit for Komatsu harvester heads on Komatsu PC200, PC210 and PC228

Komatsu installation system makes it easy to fit harvester heads to excavators. The kit provides a well-proven and complete solution that easily and inexpensively transforms an excavator into an efficient forestry machine.

The system is especially designed for Komatsu excavators and works with all harvester heads in the Komatsu 300 series. The kit includes complete installation instructions, with hydraulics and electrical diagrams. The thorough documentation ensures high reliability and simplifies troubleshooting.

The installation kit provides rapid access to all necessary components, including the mounting adapter, the hydraulic lines and the electrical circuits. In addition, the kit includes important details for increased operator safety.



SECTION **10B**

FORWARDERS

CONTENTS

Features	10B-2
Specifications	10B-3
Dimensions	10B-5

- **Powerful engines and a great pulling force**

Six-cylinders (four in 835 and 845) turbo diesel with electronic common rail fuel injection. The engines has been specially designed for tough forest work and delivers a powerful torque even at lower revs. This produces good traction even with a full load, with an impressive pulling force. 835, 845, 855, 875 and 895 fulfill EPA Tier 4 Final and EU Stage 4 requirements utilizing SCR exhaust after treatment technology.

- **High stability and Mobility**

Komatsu well-known, back-to-front center pivot, with the steering joint in the front frame and the articulation in the rear frame provide the machine with extraordinary stability. Very good off-road properties means full use of the machines speed, even in sensitive forests. It creeps forward, following its tracks back and forth, and does not cut corners. The very low centre of gravity, high ground clearance and external dimensions, all contribute to the machines accessibility.

- **Outstanding loader**

Strong and fast loaders with up to 10 m (32'10") reach. Great reliability is ensured by the outer boom and lift cylinders, the hose routing and the hose routing between the machine and the crane. Crane maneuvering is smooth thanks to limit dampening. The crane tip solution, Komatsu ProTec means a completely protected hose passage in the crane tip between the crane and grapple and a braking technique that effectively dampens grapple swing.

- **Impressive load capacity**

Komatsu forwarders are true workmates and real pack mules with right qualities to guarantee high productivity. The chassis is of a sturdy design, dimensioned for high tonnages. The load capacity is up to 20 tons and equipped the bunk system, LoadFlex, provides an extra 1.4 m (4.6") bunk width.

- **Optimized comfort**

The cabs are ergonomically designed down to smallest detail. Visibility is always good, whether loading, driving or unloading. Everything is close at hand for the operator, even though the cab is unusually spacious inside. Komatsu cabs are known for low noise and vibration levels. A good operator environment allows operators to concentrate better throughout their work shifts and remain highly productive.

- **Intelligent control and information system**

Komatsu Forwarders are fitted with the intelligent and easy-to-use MaxiXplorer control system. It controls all interaction between the machine, the transmission and the crane and ensures that the operator always get the most out of the machine. Operating data collection and production reports are included in the system, which even provides information about forwarders status, running time and total production volume.



835



845



855



875



895

Specifications

FORWARDERS

Item	Model	835	845	855
OPERATING WEIGHT (Approx.) 6WD 8WD	kg (lb)	15850 (34,950)	16600 (36,600)	18000 (39,690)
HORSEPOWER (DIN) According to ISO 14396	kW (HP)/rpm	127 (170)/1900	140 (188)/1900	170 (228)/1900
PERFORMANCE: Gross load	kgf (lbf)	11000 (24,255)	12000 (26,460)	14000 (30,870)
Bunk area	m ² (sq ft)	3.8 - 4.4 (40.9 - 47.3)	3.5 - 4.8 (37.7 - 51.6)	4.3 - 5.9 (46.3 - 63.5)
Traction power	kN kgf (lbf)	156/159 15910 (35,070)/ 16210 (35740)	166 16930 (37,320)	187 19070 (42,040)
Travel speed	Road Terrain km/h (MPH)	0 - 20 (12.5) 0 - 8 (5.0)	0 - 20 (12.5) 0 - 8 (5.0)	0 - 20 (12.5) 0 - 8 (5.0)
ENGINE: Model Torque	Nm/rpm	AGCO Power 49 AWF 750/1200-1500	AGCO Power 49 Awf 830/1200 - 1500	AGCO Power 66 AWF 950/1500
HYDRAULIC SYSTEM: Hydraulic pump Max. flow	ltr. (U.S.Gal)/min.	Variable capacity 280 (74.0)	Variable capacity 280 (74.0)	Variable capacity 280 (74.0)
LOADER AND GRAPLE Loader Lifting torque, gross	kNm (lbf-ft)	Komatsu 105F 103 (75,970)	Komatsu 105F 103 (75,970)	Komatsu 130F 127 (93,680)
Slewing torque, gross	kNm (lbf-ft)	28.7 (21,170)	28.7 (21,170)	28.7 (21,170)
Reach	Max. m (ft.in)	10 (32'10")	10 (32'10")	10 (32'10")
Grapple		Komatsu G28	Komatsu G28	Komatsu G28
WHEEL & AXLES 6WD front		—	—	—
6WD rear		—	—	—
8WD front		600/55 x 24.5 650/45 x 24.5 710/45 x 24.5	600/55 x 26.5 710/45 x 26.5	600/55 x 26.5 710/45 x 26.5 800/40 x 26.5
8WD rear		600/55 x 24.5 650/45 x 24.5 710/45 x 24.5	600/55 x 26.5 710/45 x 26.5	600/55 x 26.5 710/45 x 26.5 800/40 x 26.5
CAPACITY (Refilled) Fuel tank	ltr. (U.S.Gal)	120 (31.7)	120 (31.7)	160 (42.3)

Specifications

FORWARDERS

Item	Model	875	895
OPERATING WEIGHT (Approx.) 6WD 8WD	kg (lb)	19900 (43,880)	20500 (45,200) 23400 (51,600)
HORSEPOWER (DIN) According to ISO 14396	kW (HP)/rpm	185 (248)/1900	210 (282)/1900
PERFORMANCE: Gross load	kgf (lbf)	16000 (35,280)	20000 (44,100)
Bunk area	m ² (sq ft)	4.7 - 6.4 (50.6 - 68.9)	5.2 - 7.2 (56.0 - 77.5)
Traction power	kN kgf (lbf)	214 21820 (48,110)	262 26700 (57,320)
Travel speed	Road Terrain km/h (MPH)	0 - 20 (12.5) 0 - 8 (5.0)	0 - 20 (12.5) 0 - 7 (4.3)
ENGINE: Model Torque	Nm/rpm	AGCO Power 74 AWF 1100/1500	AGCO Power 74 AWF 1200/1500
HYDRAULIC SYSTEM: Hydraulic pump Max. flow	ltr. (U.S.Gal)/min.	Variable capacity 280 (74.0)	Variable capacity 360 (95.1)
LOADER AND GRAPLE Loader Lifting torque, gross	kNm (lbf-ft)	Komatsu 130F/145F 127 (93,680)/ 145 (106,950)	165F 165.2 (121,850)
Slewing torque, gross	kNm (lbf-ft)	28.7 (21,170)/ 38.0 (28,030)	43.4 (32,000)
Reach	Max. m (ft.in)	10/10 (32'10")	7.5/8.5/10 (24'7"/27'11"/32'10")
Grapple		Komatsu G28/G36	Komatsu G28
WHEEL & AXLES 6WD front		—	710/70 x 34
6WD rear		—	780/50 x 28.5
8WD front		710/45 x 26.5 800/40 x 26.5	780/50 x 28.5
8WD rear		710/45 x 26.5 800/40 x 26.5	780/50 x 28.5
CAPACITY (Refilled) Fuel tank	ltr. (U.S.Gal)	210 (55.5)	210 (55.5)



Item	Model	835 (8W)	845 (8W)	855 (6W)	855 (8W)
A Machine width	mm (ft.in)	2620 (8'7")	2620 (8'7")	2726 (8'11")	2726 (8'11")
B Length, total	mm (ft.in)	9306 (30'6")	9306 (30'6")	10085 (33'1")	10085 (33'1")
C Length, front axle to articulated joint	mm (ft.in)	1850 (6'1")	1850 (6'1")	1800 (5'11")	1800 (5'11")
D Length, articulated joint to rear axle	mm (ft.in)	2897 (9'6")	2897 (9'6")	3300 (10'10")	3300 (10'10")
E Transport height	mm (ft.in)	3845 (12'7")	3845 (12'7")	3880 (12'9")	3880 (12'9")
F Ground clearance	mm (ft.in)	589 (1'11")	633 (2'1")	562 (1'10")	632 (2'1")

Item	Model	875 (8W)	875 (8W)	895 (6W)	895 (8W)
A Machine width	mm (ft.in)	2980 (9'9")	2980 (9'9")	3060 (10'0")	3060 (10'0")
B Length, total	mm (ft.in)	10360 (34'0")	10360 (34'0")	10801 (35'5")	10801 (35'5")
C Length, front axle to articulated joint	mm (ft.in)	1900 (6'3")	1900 (6'3")	2000 (6'7")	2000 (6'7")
D Length, articulated joint to rear axle	mm (ft.in)	3475 (11'5")	3475 (11'5")	3900 (12'10")	3900 (12'10")
E Transport height	mm (ft.in)	3940 (12'11")	3940 (12'11")	4045 (13'3")	4045 (13'3")
F Ground clearance	mm (ft.in)	562 (1'10")	632 (2'1")	629 (2'1")	735 (2'5")

MEMO

A series of horizontal dashed lines for writing.

SECTION **10C**

**TRACKED FELLER
BUNCHERS &
HARVESTERS**

CONTENTS

Features	10C-2
Specifications	10C-4
Dimensions	10C-5

Features (XT-3 Series) TRACKED FELLER BUNCHERS & HARVESTERS

- Unique set back boom design offers a greater working range. Numerous boom options ranging from 6.53m - 9.42m (21'5" - 30'11"), providing excellent stability and a wide cutting sweep for long reach harvesting or felling. Configuration options designed to best suit application demands include: 8 hydraulic systems, 2 booms, 4 arms.
- A powerful Cummins 300hp Tier 3 engine delivers excellent hydraulic performance. An autoreversing fan helps keep the radiator free of debris. An auxiliary hydraulic oil cooler with temperature controlled fan cools only when needed, saving power and fuel.
- Service features: Swing out doors for good component access. Remote mounted engine oil filter. 24V vacuum pump prevents oil spill during hydraulic system maintenance. Equipped with engine monitoring system.
- Nothing performs like Komatsu's closed loop track drive design. The XT series can simultaneously travel, reach, cut, and swing without compromising between travel and work equipment.
- A well-equipped, comfortable cab is designed for efficiency. Controls are positioned to minimize operator fatigue. Large tinted windows provide a commanding view of the work area (and a sky window is standard). Non-glare surfaces eliminate eye strain and keep the operator fresh during long shifts.
- Easy-to-use IQAN digital control system provides smooth machine performance for felling or harvesting configurations. Built-in machine protection systems have active self diagnostics and troubleshooting capability. Joy stick controls are adjustable and programmable allowing operators the flexibility to fine tune their own response characteristics.
- The XT leveling machine's heavy duty two cylinder system provides simultaneous front/rear/side leveling. The leveling cylinders are protected inside the carbody (center frame) which has a flat underside to minimize hang up on stumps and rocks.
- Undercarriage features: Large Komatsu final drives. Komatsu 8.5" (216mm) pitch track links is for XT430/XT430L. Komatsu 9.0" (230mm) pitch track links is for XT445/XT450L. Grease sealed track rollers. Integrated welded roller guards with track shoe support. Large track roller debris openings.



Features (XT-5 Series) TRACKED FELLER BUNCHERS & HARVESTERS

- A powerful Cummins 310 peak hp Tier 4 final engine offers more power and torque, and lower fuel consumption vs. XT-3. No SCR cleaning is required when the machine is being operated according to normal duty cycles. Independent, temperature-based, variable speed engine radiator fan and hydraulic oil cooler fan controls provide cooling only when needed. All coolers are rear-mounted and an auto-reversing function on both fans helps purge debris and maintain cooling efficiencies.
- A hydraulically-actuated gull-wing style engine hood folds down to provide an elevated service work platform. The secure footing area provides excellent visibility and service access to all engine-related components including easy access to all filters and most fluid check points. Four (4) other service doors swing open wide to provide excellent service access to pumps, hydraulics, coolers, etc.
- State-of-the-art, fully-certified, Komatsu forestry cab has been relocated to the left of the boom and redesigned to provide superior lines-of-sight to each track. Large tinted windows provide a commanding view of the work area. Standard rearview and optional right-side view monitoring systems further enhance the operator's view. Eleven (11) LED lights provide superior visibility for low light and night operations. A long list of operator comfort and convenience features are standard including cellphone holder, cupholder and 2 x 12-volt outlets.
- All cab controls are located within easy reach to minimize operator fatigue. Highly intuitive IQAN-MD4 digital control system programming allows up to three (3) different operators to program their individual control patterns for increased multi-operator productivity. Each operator can quickly change and save their desired control button preferences. An IQANsync mobile phone app allows remote access to perform IQAN system functions.
- New more rugged undercarriages provide significantly longer service life due to improved track chain links, track roller bushings, track sliders, idler & cushion assemblies and track guards. All final drives have a triple labyrinth floating seal housing to protect the seal against mud packing. The XT465L-5 track length has been extended to the rear by 5.3Åh (135 mm) for longer track-on-ground providing improved steep slope stability while 9 vs. 8 rollers improve the load distribution.
- Robust, forestry-specific guarding package includes boom, arm and rear hydraulic tubes and hoses and arm attachment valve which are covered for improved protection and to shed debris. Engine/pump compartment roof is reinforced for additional guarding and the 5Å sloped roof sheds debris.
- The unique set back boom design provides excellent lifting capacity, stability and cutting swath for high productivity. Heavy-duty 4-way leveling system (on XT435L-5, XT445L-5 & XT465L-5) provides simultaneous front/rear/side leveling to maximize slope productivity. The leveling cylinders are protected inside the carbody (center frame) which has a flat underside to minimize hang-up on stumps and rocks.
- Nothing performs like Komatsu's closed loop track drive design. The XT series can simultaneously travel, reach, cut, and swing without compromising between travel and work equipment to maximize productivity.
- The KOMTRAXR remote equipment monitoring & management system continuously monitors and records machine health and operational data. It utilizes highly reliable satellite-based technology to transmit valuable information such as location, utilization and maintenance records to a website.

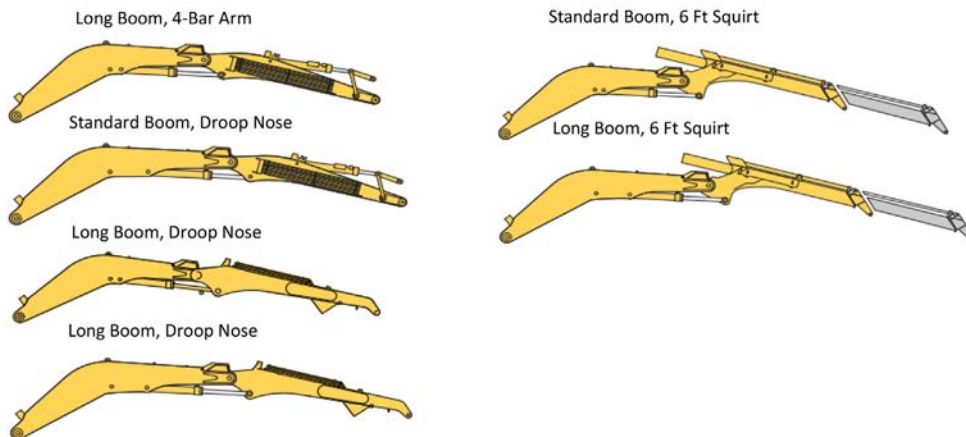
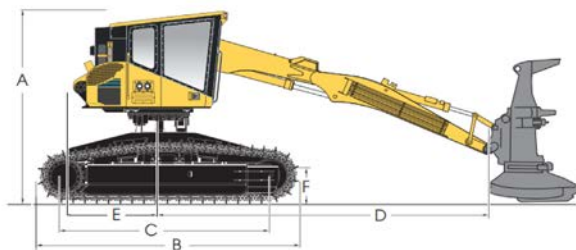


Specifications

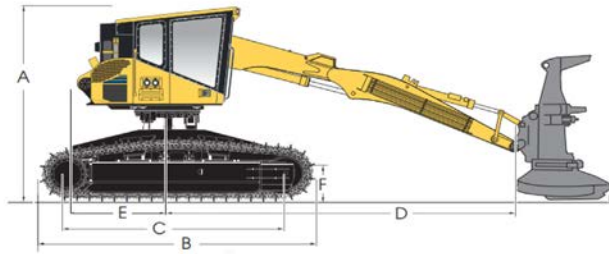
**TRACKED FELLER BUNCHERS
& HARVESTERS**

Item		Model	XT430-3	XT430L-3	XT445L-3	XT460L-3
BASE MACHINE WEIGHT		kg (lb)	28232 (62,240)	29239 (64,460)	30926 (68,180)	33710 (74,320)
HORSEPOWER (DIN) Gross		kW (HP)/rpm	224 (300)/2000	224 (300)/2000	224 (300)/2000	224 (300)/2000
PERFORMANCE:						
Tractive effort		kN kgf (lbf)	288.8 29450 (64,930)	288.8 29450 (64,930)	33710 (74,315)	33710 (74,315)
Travel speed		Hi Lo km/h (MPH)	4.8 (3.0) 2.6 (1.6)	4.8 (3.0) 2.1 (1.3)	5.3 (3.3) 2.1 (1.3)	5.3 (3.3) 2.1 (1.3)
Swing torque		kNm (ft-lbf)	79.1 (58,400)	79.1 (58,400)	79.1 (58,400)	79.1 (58,400)
LIFTING CAPACITY (w/o att.) at 3.05 m (10') at 4.57 m (15') at 6.1 m (20')		kg (lb)	11000 (24,250) 8255 (18,200) 5216 (11,500)	11000 (24,250) 8255 (18,200) 5216 (11,500)	11000 (24,250) 8255 (18,200) 5261 (11,600)	13245 (29,200) 9435 (20,800) 6123 (13,500)
ENGINE:						
Model			Cummins	Cummins	Cummins	Cummins
Emmision			QSC 8.3	QSC 8.3	QSC 8.3	QSC 8.3
Torque		Nm (ft-lbs)/rpm	Tier3 1356 (1000)/1500	Tier3 1356 (1000)/1500	Tier3 1356 (1000)/1500	Tier3 1356 (1000)/1500
HYDRAULIC SYSTEM:						
Hydraulic pump			Variable capacity	Variable capacity	Variable capacity	Variable capacity
Max. flow		ltr. (U.S.Gal)/min.	344 (91)	344 (91)	344 (91)	344 (91)
Track shoe width/ Ground pressure		kPa/kg/cm ² (PSI)				
600 mm (24") single grouser			55.8/0.57 (8.1)	57.9/0.59 (8.4)	61.4/0.63 (8.9)	66.7/0.68 (9.7)
600 mm (24") double grouser			—	—	—	—
700 mm (28") single grouser			—	—	—	—
700 mm (28") double grouser			—	—	—	—
CAPACITY (Refilled)						
Fuel tank		ltr. (U.S.Gal)	852 (225)	651 (172)	651 (172)	526 (139)

Item		Model	XT430-5	XT435L-5	XT445L-5	XT465L-5
BASE MACHINE WEIGHT		kg (lb)	30100 (66,360)	30700 (67,680)	32600 (71,870)	33800 (74,520)
HORSEPOWER (DIN) Gross		kW (HP)/rpm	226 (303)/1800	226 (303)/1800	226 (303)/1800	226 (303)/1800
PERFORMANCE:						
Tractive effort		kN kgf (lbf)	288.8 29450 (64,930)	288.8 29450 (64,930)	344 35084 (77,350)	344 35084 (77,350)
Travel speed		Hi Lo km/h (MPH)	4.6 (2.9) 2.6 (1.6)	4.6 (2.9) 2.1 (1.3)	4.6 (2.9) 2.1 (1.3)	4.6 (2.9) 2.1 (1.3)
Swing torque		kNm (ft-lbf)	79.1 (58,400)	79.1 (58,400)	79.1 (58,400)	79.1 (58,400)
LIFTING CAPACITY (w/o att.) at 3.05 m (10') at 4.57 m (15') at 6.1 m (20')		kg (lb)	11900 (26,230) 8100 (17,860) 4900 (10,800)	11900 (26,230) 8100 (17,860) 4900 (10,800)	11900 (26,230) 8000 (17,640) 4800 (10,580)	14200 (31,310) 9700 (21,380) 5900 (13,010)
ENGINE:						
Model			Cummins	Cummins	Cummins	Cummins
Emmision			QSL 9.0	QSL 9.0	QSL 9.0	QSL 9.0
Torque		Nm (ft-lbs)/rpm	Tier4 Final 1451 (1070)/1400	Tier4 Final 1451 (1070)/1400	Tier4 Final 1451 (1070)/1400	Tier4 Final 1451 (1070)/1400
HYDRAULIC SYSTEM:						
Hydraulic pump			Variable capacity	Variable capacity	Variable capacity	Variable capacity
Max. flow		ltr. (U.S.Gal)/min.	324 (86)	324 (86)	324 (86)	324 (86)
Track shoe width/ Ground pressure		kPa/kg/cm ² (PSI)				
600 mm (24") single grouser			58.5/0.60 (8.5)	64.6/0.66 (9.4)	66.8/0.68 (9.7)	66.8/0.68 (9.7)
600 mm (24") double grouser			—	—	—	—
700 mm (28") single grouser			—	—	—	—
700 mm (28") double grouser			—	—	—	—
CAPACITY (Refilled)						
Fuel tank		ltr. (U.S.Gal)	840 (222)	651 (172)	651 (172)	526 (139)



Item		Model	XT430-3	XT430L-3	XT445L-3	XT460L-3
Overall width	mm (ft.in)					
	STD 600 mm (24") shoe OPT 700 mm (28") shoe		3140 (10'4") 3240 (10'8")	3140 (10'4") 3240 (10'8")	3140 (10'4") 3240 (10'8")	3176 (10'5") 3276 (10'9")
A Overall height	mm (ft.in)		3556 (11'8")	3774 (12'3")	3835 (12'7")	3861 (12'8")
B Overall track length	mm (ft.in)		4915 (16'1")	4590 (15'1")	4770 (15'8")	4770 (15'8")
C Track length (idler center to sprocket center)	mm (ft.in)		3850 (12'9")	3665 (12'0")	3665 (12'0")	3665 (12'0")
D Reach max.	mm (ft.in)	Feller Buncher spec.				
		Standard Boom, 4-Bar Arm Long Boom, 4-Bar Arm	6530 (21'5") 7132 (23'5")	6530 (21'5") 7132 (23'5")	6530 (21'5") 7132 (23'5")	6530 (21'5") —
Harvester spec.	mm (ft.in)	Standard Boom, Droop Nose	7132 (23'5")	7132 (23'5")	7132 (23'5")	—
		Long Boom, Droop Nose	7340 (24'1")	7340 (24'1")	7340 (24'1")	7340 (24'1")
		Standard Boom, 6Ft Squirt	8240 (26'11")	8240 (26'11")	8240 (26'11")	—
		Long Boom, 6Ft Squirt	9420 (30'11")	9420 (30'11")	9420 (30'11")	—
E Tail swing radius	mm (ft.in)		1690 (5'7")	1470 (4'10")	1470 (4'10")	1690 (5'7")
F Ground clearance	mm (ft.in)		730 (2'5")	730 (2'5")	810 (2'8")	810 (2'8")



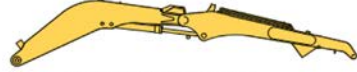
Standard Boom, 4-Bar Arm



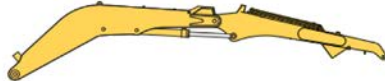
Long Boom, 4-Bar Arm



Standard Boom, Droop Nose



Long Boom, Droop Nose



Standard Boom, 6 Ft Squirt



Long Boom, 6 Ft Squirt



Item	Model	XT430-5	XT435L-5	XT445L-5	XT465L-5
Overall width	mm (ft.in)				
STD 600 mm (24") shoe		3140 (10'4")	3140 (10'4")	3140 (10'4")	3176 (10'5")
OPT 700 mm (28") shoe		3240 (10'8")	3240 (10'8")	3240 (10'8")	3276 (10'9")
A Overall height	mm (ft.in)	3579 (11'9")	3854 (12'8")	3854 (12'8")	3854 (12'8")
B Overall track length	mm (ft.in)	4900 (16'1")	4590 (15'1")	4760 (15'7")	4893 (16'1")
C Track length (idler center to sprocket center)	mm (ft.in)	3877 (12'9")	3665 (12'0")	3666 (12'0")	3800 (12'6")
D Reach max.	mm (ft.in)				
Feller Buncher spec.					
Standard Boom, 4-Bar Arm		6500 (21'4")	6500 (21'4")	6500 (21'4")	6500 (21'4")
Long Boom, 4-Bar Arm		N/A	N/A	N/A	N/A
Harvester spec.					
Standard Boom, Droop Nose		8500 (27'11")	8500 (27'11")	8500 (27'11")	8500 (27'11")
Long Boom, Droop Nose		10000 (32'10")	10000 (32'10")	10000 (32'10")	10000 (32'10")
Standard Boom, 6Ft Squirt		N/A	N/A	N/A	N/A
Long Boom, 6Ft Squirt		N/A	N/A	N/A	N/A
E Tail swing radius	mm (ft.in)	1848 (6'1")	1850 (6'1")	1850 (6'1")	1850 (6'1")
F Ground clearance	mm (ft.in)	722 (2'4")	722 (2'4")	806 (2'8")	810 (2'8")

SECTION **10D**

LOG LOADERS

CONTENTS

Features	10D-2
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- The Komatsu Log Loader Family includes the PC210LL-10, PC240LL-10, PC290LL-11 and PC390LL-10 models which are designed to meet a wide variety of demanding forestry applications. All models are available with Live Heel Forestry and Road Builder Fronts, and the PC290LL-11 is also available with a Processor Front.
- Powerful fuel-efficient Komatsu engines ranging from 158hp to 257hp deliver excellent hydraulic performance. All models have high pressure in-line hydraulic filters (pump outlet screens) for additional hydraulic system protection. All engine cover openings and compartment doors are screened to reduce debris build-up. The PC290LL-11 has a high performance cooling system that features wide fin radiator, hydraulic oil cooler & charge air cooler cores to minimize clogging. The PC290LL-11 Processor configuration includes a variable pitch reversing fan system which further reduces debris build-up (optional on the Road Builder).
- The PC240LL-10, PC290LL-11 and PC390LL-10 Live Heel Forestry Fronts are Komatsu designed and built with reaches of 38-feet, 40-feet and 42-feet, respectively. All have boom and cylinder guards, and 2 working lights for high productivity.
- The PC290LL-11 32-foot reach Processor Front has a high-lift boom cylinder mounting design which optimizes the working range. It is available with either a factory-installed high performance Komatsu 398 processing head or with a universal mounting system that can accept other brands of processing heads. The unique 398 head mounting design allows for a transport position similar to an excavator to greatly simplify machine transportation.
- All Road Builder Fronts utilize a heavy-duty Komatsu excavator boom and arm with +1 actuator piping to maximize productivity and versatility.
- The ROPS/OPS/FOPS/TOPS/FOG/WCB/Oregon OSHA-certified Komatsu forestry cab is available with a 7-inch or 48-inch riser to meet the application need. It shares all of the same premium interior features of the Komatsu excavator cab which maximizes operator comfort and convenience. The PC290LL-11 has standard all LED work lighting to provide excellent visibility in low light conditions.
- The rugged forestry undercarriages feature a high & wide carbody, heavy-duty track and carrier rollers, front idler roller frame stiffeners and full length rock guards with "ski-type" track supports to meet the toughest forestry operating conditions. Large final drives from the next larger-size excavators provide high drawbar pull to handle rough terrain. Powerful swing drive systems from the next larger-size excavators optimize loading, shovel-logging and road building productivity.
- Special forestry-specific guarding provides additional protection for the boom and arm cylinders, right hand corner of the upperstructure, engine/pump doors, upperstructure bottom and engine exhaust outlet for durability.
- Serviceability is excellent with features such as grip strut walkways, easy-open engine hoods with a service platform, centralized grease points, ground level access to all filters, removeable revolving frame service access undercovers and a battery master disconnect switch. The KOMTRAX[®] remote equipment monitoring & management system continuously monitors and records machine health & operational data.



Processor Front



Road Builder Front

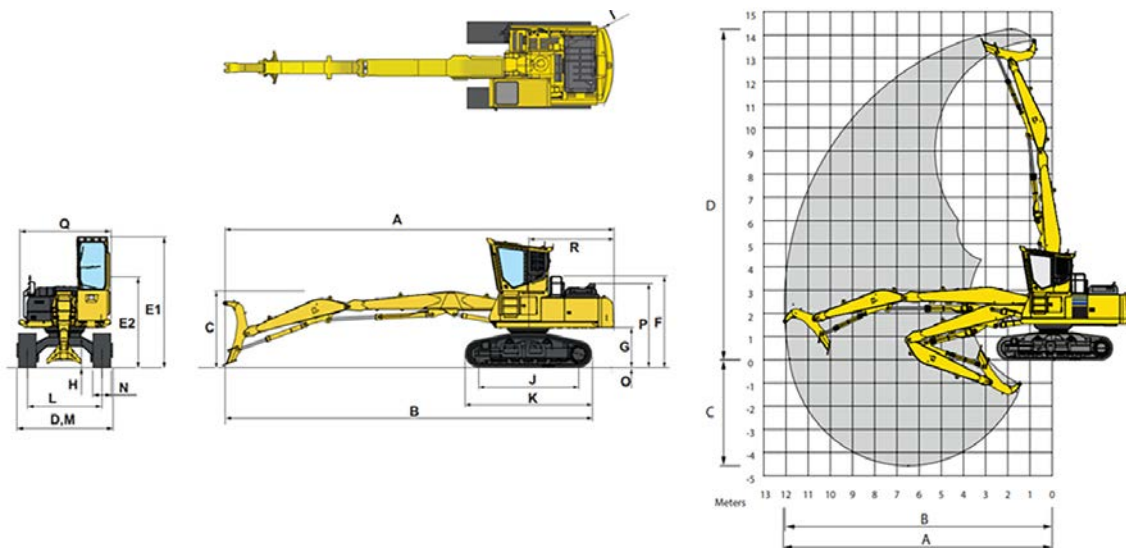


Live Heel Forestry

Specifications

LOG LOADERS

Item		Model	PC210LL-10	PC240LL-10	PC290LL-11	PC390LL-10
SOURCE			USA	USA	USA	USA
BASE MACHINE WEIGHT		kg (lb)	31106 (68,577)	38094 (83,985)	39630 (87,370)	48498 (106,920)
HORSEPOWER (DIN) Gross		kW (HP)/rpm	118 (158)/2000	132 (177)/2000	147 (195)/2050	192 (257)/1950
PERFORMANCE:						
Tractive effort		kN	202	250.2	287	329
Travel speed	Hi	kgf (lbf)	20570 (45,350)	25511 (56,240)	29265 (645,20)	33510 (73,880)
	Mid	km/h (MPH)	5.5 (3.4)	5.5 (3.4)	4.8 (3.0)	5.5 (3.4)
	Lo	km/h (MPH)	4.1 (2.5)	4.1 (2.5)	3.6 (2.2)	4.4 (2.7)
Swing torque		km/h (MPH)	3.0 (1.9)	2.4 (1.5)	2.5 (1.6)	3.0 (1.9)
		kNm (ft-lbf)	79.1 (58,334)	102.9 (75,903)	102.9 (75,903)	131.5 (97,024)
ENGINE:						
Model			KOMATSU SAA6D107E-2	KOMATSU SAA6D107E-2	KOMATSU SAA6D107E-3	KOMATSU SAA6D114E-5
Emmission			EPA Tier 4 Interim	EPA Tier 4 Interim	EPA Tier 4 Final	EPA Tier 4 Interim
No. of cylinders-bore x stroke displacement		mm (in)	6 - 107 x 124 (4.21 x 4.88)	6 - 107 x 124 (4.21 x 4.88)	6 - 107 x 124 (4.21 x 4.88)	6 - 114 x 144.5 (4.49 x 5.69)
		ltr. (cu.in)	6.69 (408)	6.69 (408)	6.69 (408)	8.85 (540)
HYDRAULIC SYSTEM:						
Hydraulic pump			Variable Piston	Variable Piston	2 x Variable Piston	Variable Piston
Max. flow		ltr. (U.S.Gal)/min.	475 (125.5)	475 (125.5)	479 (126.5)	535 (141.3)
Max. oil pressure (Implement)		MPa (PSI)	37.3 (5400)	37.3 (5400)	37.3 (5400)	37.3 (5400)
Track shoe width/		mm (in)	700 (28")	700 (28")	700 (28")	700 (28")
Ground pressure		kPa/kg/cm ² (PSI)				
700 mm (28") double			53/0.54 (7.68)	60.8/0.62 (8.82)	63.7/0.65 (9.24)	77.5/0.79 (11.24)
700 mm (28") triple					—	
CAPACITY (Refilled)						
Fuel tank		ltr. (U.S.Gal)	400 (105.7)	400 (105.7)	400 (105.7)	605 (159.8)



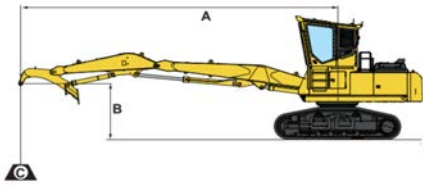
Dimensions

Item	Model	PC210LL-10	PC240LL-10	PC290LL-11	PC390LL-10	
A	Overall length	mm (ft.in)	13559 (44'6")*	14080 (46'2")	14763 (48'5")	15601 (51'2")
B	Length on ground	mm (ft.in)	12935 (42'6")	13718 (45'0")	14324 (47'0")	14725 (48'4")
C	Overall height (to top of boom)	mm (ft.in)	2786 (9'2")	2868 (9'5")	2889 (9'6")	3487 (11'5")
D	Overall width (with steps)	mm (ft.in)	3327 (10'11")	3684 (12'1")	3532 (11'7")	3754 (12'4")
E1	Overall height (to top of cab) - Cab upright	mm (ft.in)	4898 (16'1")	4955 (16'3")	5005 (16'5")	4951 (16'3")
F	Overall height (to top of handrail)	mm (ft.in)	3445 (11'4")	3467 (11'4")	3516 (11'6")	3555 (11'8")
G	Ground clearance, counterweight	mm (ft.in)	1331 (4'4")	1365 (4'6")	1365 (4'6")	1468 (4'10")
H	Ground clearance, minimum	mm (ft.in)	714 (2'4")	716 (2'4")	715 (2'4")	773 (2'6")
I	Tail swing radius	mm (ft.in)	2940 (9'8")*	2936 (9'8")	3014 (9'10")	3441 (11'3")
J	Track length on ground	mm (ft.in)	3826 (12'7")	4014 (13'2")	4014 (13'2")	3996 (13'1")
K	Track length	mm (ft.in)	4645 (15'3")	5001 (16'5")	4985 (16'4")	5004 (16'7")
L	Track gauge	mm (ft.in)	2627 (8'8")	2921 (9'7")	2792 (9'2")	2932 (9'7")
M	Width of crawler (steps in working position)	mm (ft.in)	3327 (10'11")	3684 (11'11")	3532 (11'7")	3632 (11'11")
N	Shoe width	mm (in)	700 (28")	700 (28")	700 (28")	700 (28")
O	Grouser height	mm (in)	35 (1.4")	54 (2.1")	49.5 (1.9")	46 (1.8")
P	Engine hood height	mm (ft.in)	N/A	3176 (10'5")	3255 (10'11")	3257 (10'8")
Q	Machine cab width	mm (ft.in)	3410 (11'3")	3315 (10'11")	3320 (10'11")	3610 (11'10")
D	Distance, swing center to rear end	mm (ft.in)	2906 (9'7")*	2906 (9'6")	2986 (9'10")	3403 (11'2")

*: Without auxiliary fuel tank

Working ranges

Item	Model	PC210LL-10	PC240LL-10	PC290LL-11	PC390LL-10	
A	Max. reach	mm (ft.in)	10960 (35'11")	11614 (38'1")	12166 (39'11")	12767 (41'11")
B	Max. reach at ground level	mm (ft.in)	10629 (34'10")	11412 (37'5")	12077 (39'7")	12544 (41'2")
C	Max. reach below grade depth	mm (ft.in)	2946 (9'8")	4362 (14'4")	4501 (14'9")	4546 (14'11")
D	Max. reach above grade height	mm (ft.in)	12982 (42'7")	13650 (44'9")	14138 (46'5")	14838 (48'8")



- A: Reach from swing center
- B: Bucket hook height
- C: lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ☉: Rating at maximum reach

- Conditions:
- Grapple: None
 - Power Max: ON
 - Counterweight: Heavy
 - Cab: Komatsu forestry with 48" riser

PC210LL-10

Front: Komatsu 36' Live Heel Shoes:700 mm (28") Double Grouser

unit: kg (lb)

B	A 3.0 m (10')		4.6 m (15')		6.1 m (20')		7.6 m (25')		9.1 m (30')		10.7 m (35')	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
12.2 m (40')	17522 (38630)	17522 (38360)										
10.7 m (35')			*10738 (23674)	*10738 (23674)	9442 (20817)	7410 (16337)						
9.1 m (30')			*9833 (21679)	*9833 (21679)	*8704 (19189)	7859 (17327)	7747 (17080)	5278 (11636)				
7.6 m (25')			*9799 (21603)	*9799 (21603)	*8620 (19003)	7935 (17493)	*7735 (17052)	5453 (12022)	5734 (12641)	3884 (8562)		
6.1 m (20')			*8769 (19333)	8769 (19333)	*9025 (19896)	7837 (17278)	*7864 (17338)	5433 (11978)	5810 (12809)	3955 (8720)		
4.6 m (15')			9642 (21258)	9642 (21258)	*9763 (21524)	7595 (16744)	7792 (17179)	5319 (11727)	5783 (12751)	3930 (8665)	4228 (9323)	3003 (6622)
3.0 m (10')			*13270 (29255)	11337 (24994)	*10590 (23347)	7256 (15996)	7610 (16779)	5153 (11360)	5707 (12582)	3859 (8507)	4448 (9807)	2973 (6555)
1.5 m (5')			*14762 (32545)	10523 (23200)	10480 (23104)	6910 (15235)	7419 (16357)	4977 (10972)	5618 (12385)	3775 (8324)	4435 (9779)	2962 (6529)
0 m (0')			14734 (32483)	10080 (22222)	10188 (22461)	6651 (14663)	7267 (16021)	4837 (10664)	5548 (12233)	3711 (8182)		
-1.5 m (-5')	5260 (11597)	5260 (11597)	12930 (28506)	9915 (21859)	10041 (22137)	6520 (14375)	7188 (15847)	4765 (10504)	5522 (12175)	3686 (8127)		

* Load is limited by hydraulic capacity rather than tipping. Rating are based on ISO standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% tipping load.

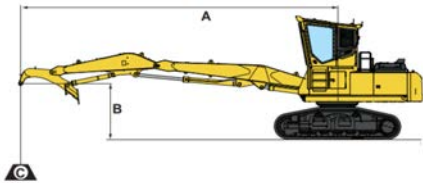
PC240LL-10

Front: Komatsu 38' Live Heel Shoes:700 mm (28") Double Grouser

unit: kg (lb)

B	A 4.6 m (15')		6.1 m (20')		7.6 m (25')		9.1 m (30')		10.7 m (35')		MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
12.2 m (40')	*12200 (27000)	*12200 (27000)									*10950 (24150)	*10950 (24150)
10.7 m (35')			*9550 (21100)	*9550 (21100)	9050 (20000)	7950 (17600)					*8600 (18950)	7400 (16300)
9.1 m (30')			*9050 (19950)	*9050 (19950)	*8450 (18650)	8200 (18150)	7950 (17550)	5950 (13150)			7550 (16700)	5750 (12700)
7.6 m (25')			*9100 (20100)	9100 (20100)	*8400 (18550)	8250 (18250)	7800 (17200)	6100 (13450)			6550 (14500)	4900 (10850)
6.1 m (20')			*9700 (21400)	*9700 (21400)	*8700 (19200)	8150 (18050)	*7850 (17350)	6050 (13400)	6200 (13700)	4650 (10250)	5950 (13100)	4440 (9750)
4.6 m (15')	*11500 (25400)	*11500 (25400)	*10700 (23650)	*10700 (23650)	*9200 (20350)	8000 (17650)	7950 (17600)	6000 (13200)	6200 (13700)	4650 (10250)	5550 (12300)	4150 (9150)
3.0 m (10')	*15400 (34000)	*15400 (34000)	*11900 (26300)	10900 (24050)	*9800 (21650)	7750 (17100)	7850 (17300)	5850 (12900)	6150 (13600)	4600 (10100)	5400 (11900)	4000 (8850)
1.5 m (5')	*17450 (38500)	16200 (35700)	*12900 (28450)	10400 (23000)	10100 (22350)	7500 (16550)	7700 (16950)	5700 (12600)	6100 (13450)	4500 (10000)	5400 (11900)	4000 (8800)
0 m (0')	*17850 (39350)	15450 (34150)	*13200 (29150)	10050 (22150)	9900 (21850)	7300 (16100)	7550 (16700)	5600 (12350)	6050 (13350)	4450 (9900)	*5050 (11200)	4100 (9050)
-1.5 m (-5')	*15750 (34800)	15150 (33400)	*12650 (27900)	9800 (21700)	9750 (21500)	7150 (15800)	7500 (16500)	5550 (12200)	*5250 (11650)	4450 (9900)	*4350 (9650)	4350 (9550)
-3.0 m (-10')	*14400 (31750)	*14400 (31750)	*11000 (24300)	9750 (21550)	*8450 (18700)	7100 (15700)	*6150 (13600)	5550 (12250)				

* Load is limited by hydraulic capacity rather than tipping. Rating are based on ISO standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% tipping load.



- A: Reach from swing center
- B: Bucket hook height
- C: lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ☉: Rating at maximum reach

- Conditions:
- Grapple: None
 - Power Max: ON
 - Counterweight: Heavy
 - Cab: Komatsu forestry with 48" riser

PC290LL-11

Front: Komatsu 40' Live Heel Shoes:700 mm (28") Double Grouser

unit: kg (lb)

B	A	4.6 m (15')		6.1 m (20')		7.6 m (25')		9.1 m (30')		10.7 m (35')		MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
12.2 m (40')				*11050 (24400)	*11050 (24400)							*9950 (22000)	*9300 (20500)
10.7 m (35')				*10200 (22550)	*10200 (22550)	*9150 (20150)	9200 (18150)					*8250 (18200)	6400 (14200)
9.1 m (30')				*10000 (22050)	*10000 (22050)	*8900 (19600)	8350 (18450)	*8000 (17,650)	6100 (13500)			7200 (15950)	5150 (11400)
7.6 m (25')				*10200 (22500)	*10200 (22500)	*8950 (19800)	8350 (18450)	*7950 (17600)	6150 (13600)	6550 (14450)	4650 (13000)	6250 (13850)	4450 (9850)
6.1 m (20')				*10800 (23850)	*10800 (23850)	*9250 (20450)	8200 (18150)	*8050 (17800)	6100 (13500)	6550 (14450)	4700 (10400)	5700 (12600)	4050 (8950)
4.6 m (15')				*11700 (25800)	11300 (24950)	*9700 (21400)	8000 (17600)	*8250 (18200)	6000 (13250)	6500 (14400)	4650 (10300)	5400 (11900)	3800 (8400)
3.0 m (10')				*12600 (27800)	10750 (23750)	*10100 (22300)	7700 (17000)	8150 (18050)	5850 (12900)	6450 (14200)	4550 (10100)	*5200 (11500)	3650 (8100)
1.5 m (5')				*13100 (28900)	10250 (22600)	*10250 (22650)	7400 (16350)	8000 (17650)	5650 (12500)	6350 (14000)	4500 (9900)	*4650 (10300)	3650 (8100)
0 m (0')				*12800 (28300)	9850 (21700)	*10000 (22,050)	7150 (15850)	7850 (17350)	5550 (12200)	*6200 (13700)	4400 (9750)	*4000 (8850)	3750 (8250)
-1.5 m (-5')		*9950 (22000)	*9950 (22000)	*11650 (25700)	9600 (21200)	*9100 (20150)	7000 (15500)	*7100 (15700)	5450 (12050)	*5200 (11450)	4400 (9700)	*3200 (7050)	*3200 (7050)
-3.0 m (-10')		*11850 (26150)	*11850 (26150)	*9550 (21100)	9550 (21100)	*7500 (16600)	7000 (15400)	*5600 (12400)	5450 (12000)				

* Load is limited by hydraulic capacity rather than tipping. Raiting are based on ISO standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% tipping load.

PC390LL-10

Front: Komatsu 42' Live Heel Shoes:700 mm (28") Double Grouser

unit: kg (lb)

B	A	6.1 m (20')		7.6 m (25')		9.1 m (30')		10.7 m (35')		12.2 m (40')		MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
12.2 m (40')		*13800 (30450)	*13800 (30450)	*12550 (27700)	10900 (24050)							*11000 (24250)	9900 (21850)
10.7 m (35')		*12950 (28650)	*12950 (28650)	*11700 (25900)	11250 (24850)	*10800 (23850)	8250 (18250)					*9500 (20950)	7500 (16550)
9.1 m (30')				*11550 (25450)	11350 (25050)	*10500 (23200)	8450 (18600)	8500 (18800)	6400 (14150)			8350 (18450)	6300 (13900)
7.6 m (25')		*13200 (29150)	*13200 (29150)	*11750 (25900)	11300 (24900)	*10550 (23300)	8450 (18600)	8650 (19050)	6500 (14400)			7450 (16450)	5550 (12300)
6.1 m (20')		*14150 (31250)	*14150 (31250)	*12250 (27050)	11100 (24500)	*10800 (23800)	8350 (18400)	6600 (19000)	6500 (14350)			6900 (15200)	5150 (11050)
4.6 m (15')		*15500 (34250)	15250 (33650)	*12950 (28600)	10800 (23850)	10850 (23900)	8150 (18050)	8500 (18800)	6400 (14150)	6900 (15200)	5150 (11350)	6550 (14450)	4900 (10800)
3.0 m (10')		*16950 (37350)	14550 (32150)	*13650 (30100)	10450 (23050)	10600 (23450)	7950 (17600)	8400 (18550)	6300 (13950)	6850 (15150)	5100 (11300)	6400 (14100)	4750 (10500)
1.5 m (5')		*17800 (39300)	13900 (30750)	13600 (30050)	10100 (22300)	10400 (22950)	7750 (17150)	8300 (18300)	6200 (13700)	6800 (15050)	5050 (11200)	*6150 (13600)	4750 (10500)
0 m (0')		*17700 (39,100)	13450 (29650)	13300 (29350)	9800 (21650)	10200 (22550)	7600 (16750)	8200 (18100)	6100 (13450)	*6450 (14250)	5050 (11150)	*5350 (11850)	4850 (10750)
-1.5 m (-5')		*16400 (36200)	13150 (29000)	*12900 (28400)	9600 (21250)	10100 (22300)	7500 (16500)	*7850 (17300)	6050 (13350)				
-3.0 m (-10')		*13800 (30500)	13050 (28650)	*10950 (24200)	9550 (21100)	*8450 (18,700)	7450 (16450)	*5800 (12600)	*5800 (12600)				

* Load is limited by hydraulic capacity rather than tipping. Raiting are based on ISO standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% tipping load.

SECTION **10E**

**EXCAVATOR BASE
HARVESTERS &
FELLER BUMCHER**

CONTENTS

Features	10E-2
Specifications	10E-3
Dimensions	10E-4

- **Designated forest application machine based on excavator**
 - Harvester spec is for CTL (cut to length) operation.
Felling, cross cut and delimiting operation. (Debarking is optional.)
 - Feller buncher spec. is for FTL (full tree length) operation and felling operation.
- **Safety**
 - Add guarding on operator cabin.
 - Add polycarbonate front window to protect operator from chain shot.
- **Fire prevention**
 - Sealing gap and putting fine mesh around engine compartment to prevent from debris (leaves and braches) falling on hot parts (exhaust pipe and turbo)
- **Performance**
 - Optimal hydraulic circuit for forest attachment based on excavator system
- **Durability**
 - Add guarding on hydraulic hoses on work equipmnet and machine cab to prevent tree hitting damage.
 - Unique undercarrige for forest use. PC130F has long and wide undercarrige. PC200F has reinforced track frame.



PC130F-7 with feller buncher (Shear head type)



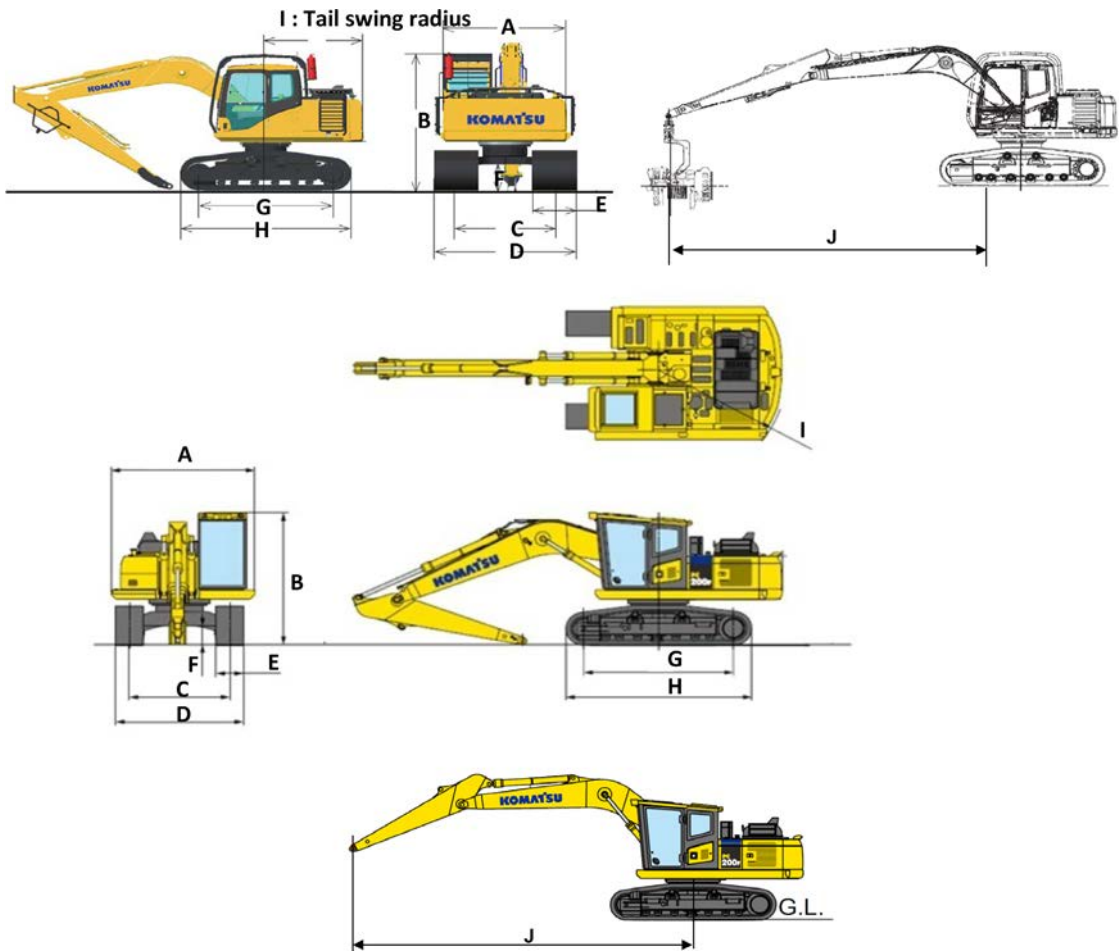
PC130F-7 with harvester



PC200F-8M0 with harvester

**Specifications EXCAVATOR BASE HARVESTERS
& FELLER BUMCHER**

Item	Model	PC130F-7 Harvester	PC200F-8M0 Harvester	PC130F-7 Feller Buncher
SOURCE		Indonesia	Brazil	Indonesia
BASE MACHINE WEIGHT	kg (lb)	17200 (37,920)	22700 (50,045)	17200 (37920)
HORSEPOWER (DIN) Gross	kW (HP)/rpm	66 (88)/2200	116 (155)/2000	66 (88)/2200
PERFORMANCE: Tractive effort	kN		178	
Travel speed Hi	kg (lb)		18200 (40,124)	
Mid	km/h (MPH)	4.2 (2.6)	5.5 (3.4)	4.2 (2.6)
Lo	km/h (MPH)	2.4 (1.5)	4.1 (2.5)	2.4 (1.5)
Swing torque	km/h (MPH) kNm (ft-lbf)		3.0 (1.9)	
ENGINE: Model		KOMATSU SAA4D95LE-3	KOMATSU SAA6D107E-1	KOMATSU SAA4D95LE-3
Emmission		Equivalent EPA Tier2	Equivalent EPA Tier3	Equivalent Tier2
No. of cylinders-bore x stroke	min (in)	4 - 95 x 115 (3.74 x 4.53)	6 - 107 x 124 (4.21 x 4.88)	4 - 95 x 115 (3.74 x 4.53)
HYDRAULIC SYSTEM: Hydraulic pump		1 x Variable Piston	2 x Variable Piston	1 x Variable Piston
Max. flow	ltr. (U.S.Gal)/min.	312 (82.4)	439 (116)	312 (82.4)
Max. oil pressure (Implement)	MPa (PSI)	31.9 (4623)	37.3(380)	31.9 (4623)
Track shoe width/ Ground pressure	mm (in)	960 (38)	600 (24)	960 (38)
600 mm (24") triple	kPa/kg/cm ² (PSI)	—	51.9/0.53 (7.5)	
960 mm (38") single	kPa/kg/cm ² (PSI)	29.4/0.3 (4.3)	—	29.4/0.3 (4.3)
CAPACITY (Refilled) Fuel tank	ltr. (U.S.Gal)	247 (65)	400 (106)	247 (65)
Application harvester head		S92	370E, S132, S172	Q212 shear head (Quadco)



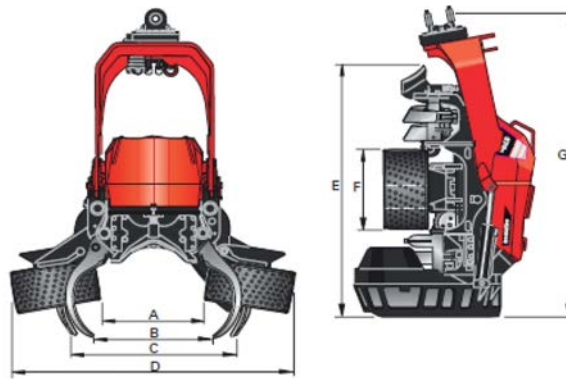
Item	Model	PC130F-7 Harvester	PC200F-8M0 Harvester	PC130F-7 Feller Buncher
A Machine width	mm (ft.in)	2490 (8'2")	3150 (10'4")	2490 (8'2")
B Overall height (to top of cab)	mm (ft.in)	3270 (10'9")	3155 (10'4")	3270 (10'9")
C Track gauge	mm (ft.in)	1960 (6'5")	2200 (6'7")	1960 (6'5")
D Width of crawler	mm (ft.in)	2920 (9'7")	2800 (9'2")	2920 (9'7")
E Shoe width	mm (in)	960 (38")	600 (24")	960 (38")
F Ground clearance	mm (ft.in)	600 (2'0")	440 (1'5")	600 (2'0")
G Track length (idler center to sprocket center)	mm (ft.in)	2890 (9'6")	3275 (10'9")	2890 (9'6")
H Track length	mm (ft.in)	3665 (12'0")	4070 (13'4")	3665 (12'0")
I Tail swing radius	mm (ft.in)	2110 (6'11")	2835 (9'4")	2110 (6'11")
J Max reach or max. cutting reach (swing center to arm top pin)	mm (ft.in)	7845 (25'9")	7890 (25'11")/2.4m arm 8360 (27'5")/2.9m arm	7190 (23'7")

SECTION **10F**

HARVESTER HEADS

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Specifications and Dimentions10F-2



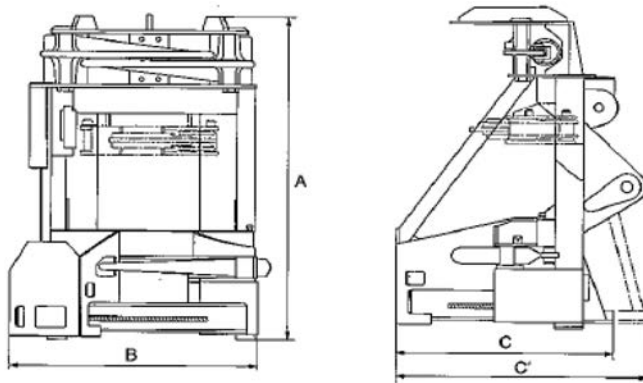
Item		Model	S82	S92	C93	C124	S132
WEIGHT	Incl. topping saw	kg (lb)	829 (1828)	951 (2097)	970 (2152)	1210 (2701)	1364 (3007)
WEIGHT	Feed force (gross)	kN kgf (lbf)	20.3 2070 (4564)	26.1 2660 (5868)	20.1/25.3* 2050/2580* (4519/5688)	23.7/28.3* 2417/2886* (5328/6362)	28.7/31.1* 2927/3171* (6452/6992)
	Feed speed	m/s (ft/s)	0 - 5 (0 - 16.4)	0 - 5 (0 - 16.4)	0 - 5 (0 - 16.4)	0 - 5 (0 - 16.4)	0 - 4.8 (0 - 15.7)
DIMENSIONS:							
	Cutting diameter	mm (in)	580 (22.8)	630 (24.8)	600 (23.6)	650 (25.6)	720 (28.3)
A	Roller opening, max.		460 (18.1)	519 (20.4)	550 (21.7)	670 (26.4)	625 (24.6)
B	Opening upper knives		517 (20.3)	535 (21.1)	600 (23.6)	625 (24.6)	641 (25.2)
C	Opening lower knives		532 (21)	573 (22.6)	345 (13.6)	700 (27.6)	690 (27.2)
D	Width max.		1185 (46.7)	1371 (54)	1420 (55.9)	1750 (68.9)	1689 (66.5)
E	Height to vertical knife		1402 (55.2)	1464 (57.6)	1347(53)	1595 (62.8)	1668 (65.7)
F	Height including rotator		1496 (58.9)	1935 (76.2)	1543 (60.7)	1780 (70.1)	2134 (84)

Item		Model	S172	C144	C202	C202E	C283
WEIGHT	Incl. topping saw	kg (lb)	1675 (3693)	1410 (3086)	2060 (4542)	2010 (4431)	2830 (6239)
WEIGHT	Feed force (gross)	kN kgf (lbf)	40.2 4100 (9073)	23.7/29.6* 2420/3020* (5328/6654)	36.3/39.6* 3700/4040* (8161/8902)	35.5/26.6* 3620/2712* (7981/5980)	40 4080 (9000)
	Feed speed	m/s (ft/s)	0 - 5 (0 - 16.4)	0 - 5 (0 - 16.4)	0 - 4 (13.1)* 0 - 4.5 (14.8)	0 - 4.5 (14.8)* 0 - 6 (19.7)	0 - 5 (0 - 16.4)
DIMENSIONS:							
	Cutting diameter	mm (in)	750 (29.5)	710/750 (28.0/29.5)	700 (27.6)	650 (25.6)	780 (30.7)
A	Roller opening, max.		713 (28.0)	750 (29.5)	650 (25.6)	650 (25.6)	800 (31.5)
B	Opening upper knives		757 (29.8)	660 (26.0)	670(28.0)	675 (26.6)	800 (31.5)
C	Opening lower knives		772 (30.4)	800 (31.5)	-	-	405 (15.9)
D	Width max.		1937 (76.3)	1810 (71.3)	1645 (64.8)	1575 (62)	1800 (70.9)
E	Height to vertical knife		1748 (68.3)	1600 (63)	1700 (66.9)	1745 (68.7)	2025 (79.7)
F	Height including rotator		2194 (86.4)	1770 (69.7)	1995 (78.5)	1995 (78.5)	2440 (96.1)

Item		Model	V132E	370.2	370E
WEIGHT	Incl. topping saw	kg (lb)	1380 (3042)	1470 (3240)	1600 (3530)
WEIGHT	Feed force (gross)	kN kgf (lbf)	24.3 2480 (5463)	28.3/30.8* 2890/3140* (6362/6924)	21/30.8* 2140/3140* (4721/6924)
	Feed speed	m/s (ft/s)	0 - 6 (0 - 19.7)	0 - 5 (0 - 16.4)	0 - 5 (0 - 16.4)
DIMENSIONS:					
	Cutting diameter	mm (in)	550 (21.7)	700 (27.6)	700 (27.6)
A	Roller opening, max.		550 (21.7)	600 (23.6)	600 (23.6)
B	Opening upper knives		710 (28)	640 (25.2)	640 (25.2)
C	Opening lower knives		447 (17.6)	750 (29.5)	750 (29.5)
D	Width max.		1700 (66.9)	1950 (76.8)	1950 (76.8)
E	Height to vertical knife		1540 (60.6)	1780 (70.0)	1780 (70.0)
F	Height including rotator		1790 (70.5)	1920 (75.6)	2080 (81.9)

* Depending on feed roller motor

** Topping saw is discontinued.



FVBH0458

Model Item		233
SPECIFICATIONS		
Bar saw weight	kg (lb)	1640 (3616)
Optional accumulator	kg (lb)	159 (350)
Optional lateral tilt	kg (lb)	231(510)
Cutting capacity	mm (in)	609 (28), 838 (33)
Cycle time	sec	2 - 7
Saw bar length	mm (in)	914 (36) or 1092 (43)
HYDRAULICS		
Hydraulic requirement	ltr (U.S. Gal)/min	132 (35) - 227 (60)
System pressure	kg/cm ² (PSI)	175 (2500) - 257 (3650)
DIMENSIONS:		
A Height	mm (in)	1880 (74)
B Width	mm (in)	1359 (53.5)
C Length	mm (in)	28" Capacity: 1219 (48)
C' Length	mm (in)	33" Capacity: 1384 (54.5)

MEMO

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CONTENTS

SECTION **11**

GENERATOR SETS Sec 11

SECTION **11**

GENERATOR SETS

CONTENTS

Features	11-2
Specifications	11-3

1. Engine

Komatsu "Air-to-Air aftercooled engine" has been introduced. (except for EGS65-6, EGS240-6 and EGS300-6)

- High output (performance)
- Low fuel consumption
- Low noise
- Lighter weight and compactness
- Longer oil change interval
- Easy maintenance
- High quality, high reliability, high durability

2. Easy control and simple maintenance

2-1. The EGS series generator set is designed for easy control and simple maintenance. The generator control is arranged in one box, so the operator can monitor the operating status by viewing the full gen-set instrumentation on its panel.

Checking, refilling and draining ports for engine oil, radiator coolant and fuel are concentrated on one side of the generator set for simplified maintenance.

2-2. The EGS series generator set has a compact and intelligent generator control module, which provides all safety protections and its window displays both the AC and DC measurements.

EGS series generators have a compact engine control unit (1 box type) for easy operation and maintenance.

Advantage:

- Easy maintenance : minimize control components and wirings.
- High reliability : 16-bit microprocessor technology in printed circuit board.
- The module can monitor an extensive number of engine and generator parameters and display these information in simple english on the back-lit LCD screen.
- Built-in AMF function : Auto start/stop when mains failure occurred.

3. High qualified electricity with brushless, Self-excited AC alternator

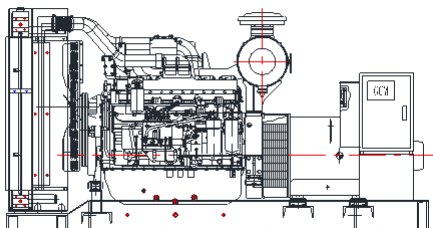
- Maintenance-free : Brushless, direct coupling with engine
- High electric characteristic : Standard 2/3 pitch windings avoid excessive neutral currents.
- Excellent voltage build-up : Originally designed excited field system and high efficient steel
- Stable voltage regulation : Built-in type Automatic Voltage regulator (AVR)
- High efficient cooling : Class H insulation with forced air-circulation
- Permanent Magnet Generator (PMG) : PMG systems provides constant excitation
- Voltage adjustment (optional accessory by model) : The voltage can be adjusted manually.
- Dual voltage (optional) : Two kinds of voltage can be given.

4. Safe Running (Protection)

- Molded Case Circuit Breaker (MCCB) can be opened by over current automatically.
- The engine can be stopped by high coolant temperature / Low oil pressure automatically
- The engine can be stopped by over speed.
- Engine stop system : Energized in run mode

* Typical generator type

Open type for single operation



Item	Model	Open Type	EGS65-6				EGS120-8				EGS160-8			
GENERATOR														
Rated output	Frequency		50 Hz		60 Hz		50 Hz		60 Hz		50 Hz		60 Hz	
	Prime Output		kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
	Standby Output		50	40	58	46	100	80	118	94	129	103	155	124
			55	44	63	51	110	88	129	103	145	116	173	138
ENGINE														
Model			Komatsu S4D95LE-2				Komatsu SAA6D102E-P130				Komatsu SAA6D102E-P150			
Horsepower kW (HP)	Prime		44.8 (60.1)		51.8 (69.4)		98 (131)		115 (155)		113 (151)		135 (181)	
	Standby		49.3 (66.1)		58.4(78.3)		107(144)		127 (170)		127 (171)		152 (204)	
No. of cylinders			4-inline				6-inline				6-inline			
Bore × stroke	mm (in)		95 × 115 (3.74 × 4.53)				102 × 120 (4.02 × 4.72)				102 × 120 (4.02 × 4.72)			
Piston displacement	ltr. (cu.in)		3.26 (199)				5.88 (3.59)				5.88 (3.59)			
Aspiration			Turbocharged				Turbocharged Air to air aftercooled				Turbocharged Air to air aftercooled			
Electric system	Starter motor		12 V – 2.2 kW				24 V – 4.5 kW				24 V – 4.5 kW			
	Alternator		12 V – 35 A				12 V – 25 A				24 V – 25 A			
	Battery		12 V – 100 Ah				12 V – 120 Ah × 1				12 V – 120 Ah × 2			
GENERATOR SET														
Capacity ltr. (U.S. Gal)	Coolant		10.3 (2.72)				22 (5.81)				25 (6.6)			
	Lubricant		8.5 (2.25)				22 (5.81)				22 (5.81)			
Dry weight* kg (lb)		800 (1,760)				1370 (3,020)				1580 (3,480)				
Dimensions (L × W × H) mm (ft.in)			1800 × 890 × 1800 (5'11" × 2'11" × 5'11")				2490 × 980 × 1530 (8'2" × 3'3" × 5'0")				2560 × 950 × 1600 (8'5" × 3'1" × 5'3")			

Item	Model	Open Type	EGS240-6				EGS300-6				EGS360-6			
GENERATOR														
Rated output	Frequency		50 Hz		60 Hz		50 Hz		60 Hz		50 Hz		60 Hz	
	Prime Output		kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
	Standby Output		200	160	238	190	276	221	303	242	—	—	360	288
			220	176	261	209	304	243	333	266	—	—	396	317
ENGINE														
Model			Komatsu S6D125-1				Komatsu SA6D125-2				Komatsu SAA6D125-P380			
Horsepower kW (HP)	Prime		172 (230)		204 (273)		238 (319)		261 (350)		—		310 (415)	
	Standby		189 (253)		225 (301)		262 (351)		287 (385)		—		341 (457)	
No. of cylinders			6 - inline				6 - inline				6 - inline			
Bore × stroke	mm (in)		125 × 150 (4.92 × 5.91)				125 × 150 (4.92 × 5.91)				125 × 150 (4.92 × 5.91)			
Piston displacement	ltr. (cu.in)		11.04 (673)				11.04 (673)				11.04 (673)			
Aspiration			Turbocharged				Turbocharged Aftercooled				Turbocharged Air to air aftercooled			
Electric system	Starter motor		24 V – 5.5 kW				24 V – 5.5 kW				24 V – 7.5 kW			
	Alternator		24 V – 35 A				24 V – 35A				24 V – 35A			
	Battery		12 V – 150 Ah × 2				12 V – 150 Ah × 2				12 V – 150 Ah × 2			
GENERATOR SET														
Capacity ltr. (U.S. Gal)	Coolant		59 (15.6)				60 (15.9)				70 (18.5)			
	Lubricant		30 (7.93)				40 (10.6)				62 (16.4)			
Dry weight* kg (lb)		2290 (5,050)				2700 (5,950)				2800 (6,170)				
Dimensions (L × W × H) mm (ft.in)			2880 × 1120 × 1630 (9'5" × 3'8" × 5'4")				3000 × 1120 × 1680 (9'10" × 3'8" × 5'6")				3300 × 1120 × 1785 (9'10" × 3'8" × 5'10")			

Item	Model	Open Type	EGS380-6				EGS500-6				EGS630-6			
GENERATOR														
Rated output	Frequency		50 Hz		60 Hz		50 Hz		60 Hz		50 Hz		60 Hz	
	Prime Output		kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
	Standby Output		350	280	—	—	—	—	505	404	500	400	—	—
ENGINE														
Model			Komatsu SAA6D125-P400				Komatsu SAA6D140-P460				Komatsu SAA6D140-P580			
Horsepower kW (HP)	Prime		298 (400)		—		—		430 (577)		430 (577)		—	
	Standby		328 (440)		—		—		474 (635)		474 (635)		—	
No. of cylinders			6 - inline				6 - inline				6 - inline			
Bore × stroke	mm (in)		125 × 150 (4.92 × 5.91)				140 × 165 (5.51 × 6.50)				140 × 165 (5.51 × 6.50)			
Piston displacement	ltr. (cu.in)		11.04 (673)				15.24 (929)				15.24 (929)			
Aspiration			Turbocharged Air to air aftercooled				Turbocharged Air to air aftercooled				Turbocharged Air to air aftercooled			
Electric system	Starter motor		24 V – 7.5 kW				24 V – 7.5 kW				24 V – 7.5 kW			
	Alternator		24 V – 35 A				24 V – 35 A				24 V – 35 A			
	Battery		12 V – 150 Ah × 2				12 V – 200 Ah × 2				12 V – 200 Ah × 2			
GENERATOR SET														
Capacity ltr. (U.S. Gal)	Coolant		70 (18.5)				72 (19.0)				102 (26.9)			
	Lubricant		62 (16.4)				74 (19.6)				77 (20.3)			
Dry weight* kg (lb)		3120 (6,880)				3700 (8,160)				3900 (8,600)				
Dimensions (L × W × H) mm (ft.in)			3300 × 1120 × 1790 (10'10" × 3'8" × 5'10")				3500 × 1410 × 1840 (11'6" × 4'8" × 6'0")				3500 × 1510 × 1850 (11'6" × 4'11" × 6'1")			

Item	Model	Open Type	EGS760-6				EGS850-6				EGS1200-6			
GENERATOR														
Rated output	Frequency		50 Hz		60 Hz		50 Hz		60 Hz		50 Hz		60 Hz	
	Prime Output		kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
	Standby Output		—	—	758	606	705	564	—	—	1000	800	1000	800
ENGINE														
Model			Komatsu SAA6D170-P740				Komatsu SAA6D170-P800				Komatsu SAA12V140-P1150			
Horsepower kW (HP)	Prime		—		639 (856)		597 (800)		—		861 (1154)		864 (1158)	
	Standby		—		703 (942)		656 (880)		—		947 (1269)		950 (1273)	
No. of cylinders			6 - inline				6 - inline				12 Vee			
Bore × stroke	mm (in)		170 × 170 (6.69 × 6.69)				170 × 170 (6.69 × 6.69)				140 × 165 (5.51 × 6.50)			
Piston displacement	ltr. (cu.in)		23.15 (1410)				23.15 (1410)				30.48 (1860)			
Aspiration			Turbocharged Air to air aftercooled				Turbocharged Air to air aftercooled				Turbocharged Air to air aftercooled			
Electric system	Starter motor		24 V – 11 kW				24 V – 11 kW				24 V – 7.5 kW × 2			
	Alternator		24 V – 35 A				24 V – 35A				24 V – 35A			
	Battery		12 V – 200 Ah × 2				12 V – 200 Ah × 2				12 V – 200 Ah × 4			
GENERATOR SET														
Capacity ltr. (U.S. Gal)	Coolant		145 (38.3)				145 (38.3)				238 (62.9)			
	Lubricant		147 (38.8)				147 (38.8)				157 (41.5)			
Dry weight* kg (lb)		5700 (12,570)				6120 (13,490)				7400 (16,310)				
Dimensions (L × W × H) mm (ft.in)			4000 × 1690 × 1960 (13'1" × 5'7" × 6'5")				4100 × 1690 × 1960 (13'5" × 5'7" × 6'5")				4180 × 2090 × 2250 (13'9" × 6'10" × 7'5")			

CONDITIONS & DEFINITIONS

Prime Power Rating:

Prime power is applicable for supplying electric power at variable load for an unlimited number of hours per year.

A 10% additional power is provided for governing purpose Average of variable load shall not exceed 70% of the prime power rating.

This rating is set in accordance with ISO 8528

Standby Power Rating :

Standby power is applicable for supplying emergency power at variable load in areas where reliable utility is available.

The total operating time at variable load shall not exceed 200 hours per year and the total operating time at Standby power shall not exceed 25 hours per year.

This rating is set in accordance with ISO 3046-1, DIN6271 and BS 5514.

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ENGINES Sec 12



SECTION **12**

ENGINES

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Features12-2

High quality:

The Komatsu diesel engine is a true achievement of our total engine production system—from casting all the way through machining processes using Komatsu-made machine tools to the final steps of assembly.

Proven reliability

The Komatsu diesel engine is matched with our heavy-duty construction equipment to create a powerful combination of unbeatable performance and high durability.

Economical operations:

The Direct injection system and special fuel-minimizing design of Komatsu diesel engines provide maximum economy. Low lubricant consumption is also a remarkable advantage.

Compact design:

Advanced design and an efficient production system make Komatsu diesel engines compact and lightweight, enhancing their versatility.

Low-noise operation:

Ideal designs keep engine noise and vibration to a minimum.

Wider applications:

A wide range of optional equipment offers a variety of applications to meet specific customer requirements.

Low emission engine (EPA Tier 3 and EU Stage 3A emissions certified.):

Komatsu engine meets the emission regulations of North America, Europe, Japan, etc. by employing the advanced technologies. The followings are examples of the technologies.

High-pressure injection system

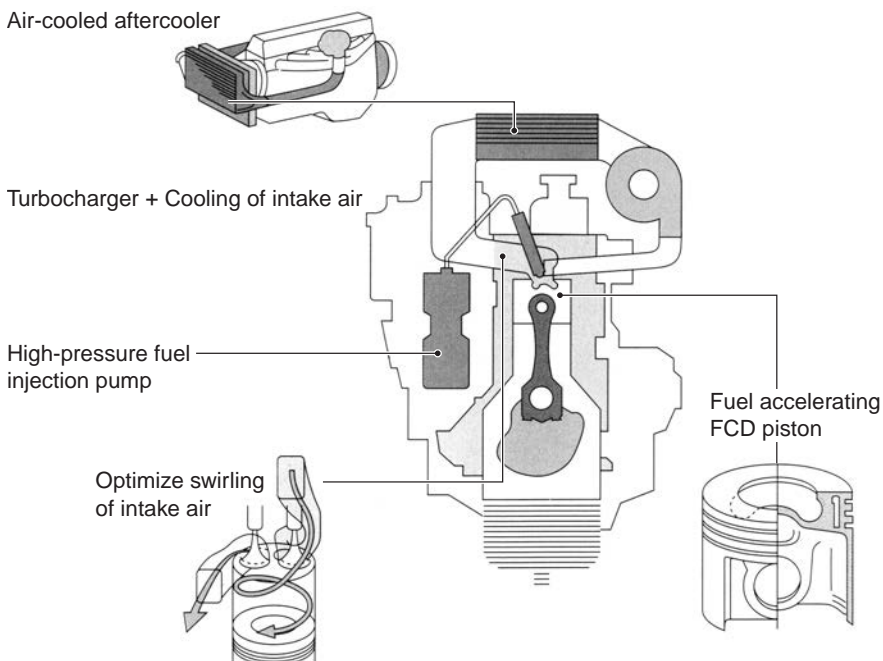
Fuel is sprayed more finely to prevent increase of NO_x and particulate matter by heightening the fuel pressure injected into the cylinder.

Air-cooled aftercooler

Intake air temperature pressurized by the turbocharger is lowered largely by the air-cooled aftercooler having high cooling capacity to prevent increase of NO_x caused by high combustion temperature and increase the intake air density for less fuel consumption.

Optimized shape of combustion chamber by use of FCD piston

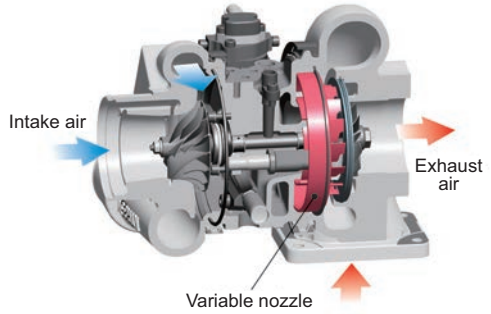
The shape of the combustion chamber is optimized by employing an FCD piston having high strength and the air flow speed is heightened by improving the shape of the air intake passage. With these technologies, particulate matter is reduced.

Komatsu low-emission diesel engine

Komatsu’s new engine technology (EPA Tier 4 Interim and EU Stage 3B emissions certified.)

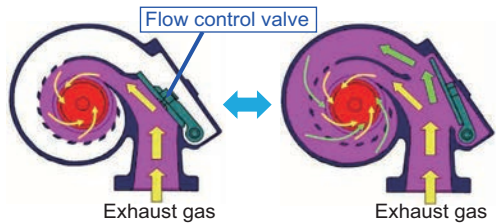
Newly designed Komatsu Variable Geometry Turbocharger (KVTG)

A newly designed variable geometry turbocharger features Komatsu proprietary technology that varies the air-flow and delivers optimum air quantity to the engine combustion chamber under all speed and load conditions. The result is cleaner exhaust gas and improved fuel economy while maintaining power and performance. (SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)



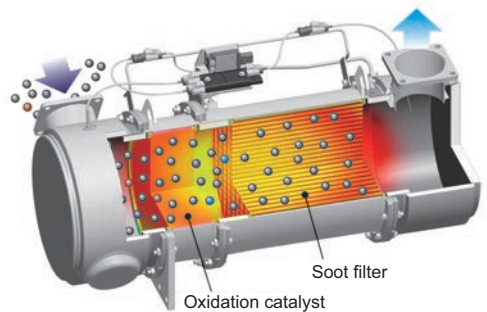
Newly designed Variable Flow Turbocharger (VFT)

A newly designed variable flow turbocharger features simple and reliable technology that varies the intake air-flow. Exhaust turbine wheel speed is controlled by flow control valve and it enables to deliver optimum air quantity to the engine combustion chamber under all speed and load conditions. The result is cleaner exhaust gas while maintaining power and performance. (SAA4D95LE-6)



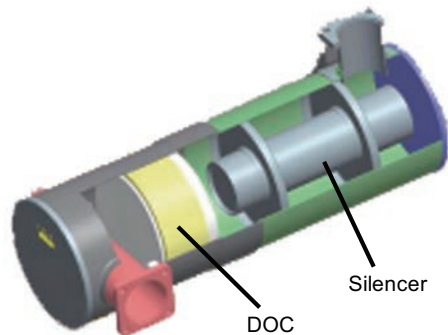
Newly designed Komatsu Diesel Particulate Filter (KDPF)

Komatsu has designed and developed a high efficiency diesel particulate filter that captures more than 90% of PM. Passive and active regeneration is initiated automatically by the engine controller as needed to burn the particulates while the engine is running allowing uninterrupted machine operation. A special oxidation catalyst with fuel injection system eliminates the need for a traditional fuel burner thereby reducing maintenance costs and increasing reliability. (SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)



Newly designed Komatsu Diesel Oxidation Catalyst (KDOC)

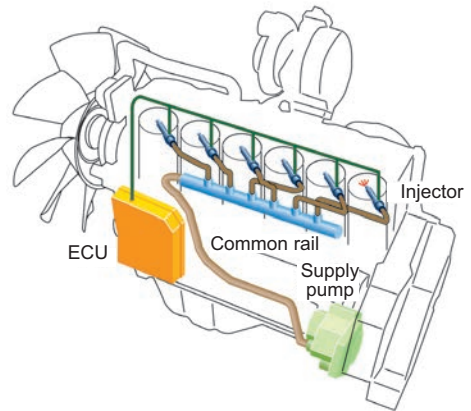
Komatsu has designed and developed a simple and high efficiency diesel oxidation catalyst. This system enables to eliminate the need of the PM regeneration and to simplify the engine control system. High performance exhaust noise silencer is also integrated and it contributes the engine noise reduction. (SAA4D95LE-6)



Heavy duty High Pressure Common Rail (HPCR) Fuel Injection System

Computer controlled heavy duty HPCR system delivers a precise quantity of pressurized fuel into the engine combustion chamber using multiple injections to achieve complete fuel burn and reduce exhaust emissions. Fuel injector life has been improved through the use of ultra-hard wear resistant materials such as diamond-like carbon.

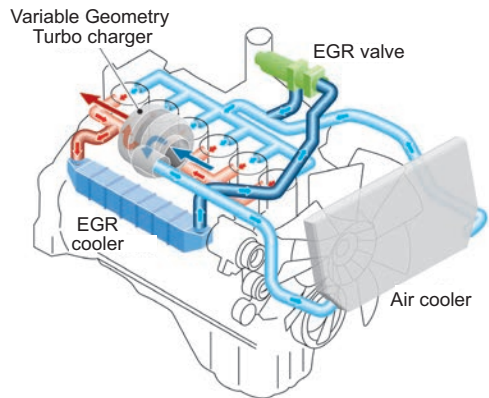
(SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)



Larger more robust cooled Exhaust Gas Recirculation (EGR) System

Cooled EGR, a technology well-proven in existing Komatsu engines, has increased capacity to further reduce NOx to Tier 4 levels. Larger more robust components ensure reliable performance during the demanding work conditions of construction equipment.

(SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)



Redesigned combustion chamber at top of piston

The fuel/air combustion chamber located at the top of the engine piston has a new shape designed to improve combustion and further reduce NOx, PM, fuel consumption and noise. (SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)

Komatsu Closed Crankcase Ventilation (KCCV)

Oil mist trap efficiency is significantly increased from previous "Breather"s, from around 50% trap efficiency to 95% trap efficiency. Almost oil mist free crankcase gas (blow-by gas) is delivered back to the intake.

(SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)



Komatsu's new engine technology (EPA Tier 4 Final and EU Stage 4 emissions certified)

Newly designed Selective Catalytic Reduction System (SCR)

In order to correspond to EPA Tier 4 Final and EU Stage 4 regulations, the exhausted NOx must be reduced compared to Tier 4 Interim engine. A newly designed Selective Catalytic Reduction System is a device that decomposes NOx in exhaust gas into non-toxic nitrogen gas (N₂) and water vapor (H₂O).

As shown in Fig. 1, this system shoots DEF or AdBlue® into exhaust gas to make ammonia.

Ammonia and NOx are decomposed into nitrogen gas (N₂) and water vapor (H₂O) by Selective Reduction Catalyst for NOx.

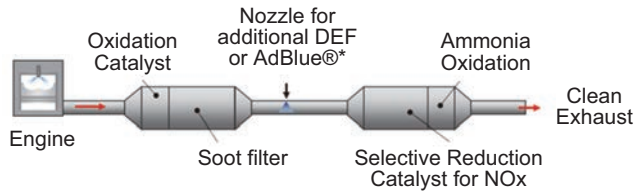


Fig. 1 SCR system

* AdBlue® is a registered trademark of Verband der Automobilindustrie e.V.(VDA).

As shown in Fig. , Selective Catalytic Reduction System is composed of DEF or AdBlue® providing system that shoots DEF or V* into exhaust gas, DEF or V* mixing tube that decomposes DEF or AdBlue® into ammonia and disperse it into exhaust gas, and Selective Catalytic Reduction Ass'y that has Selective Reduction Catalyst for NOx to promote the decomposition of NOx.

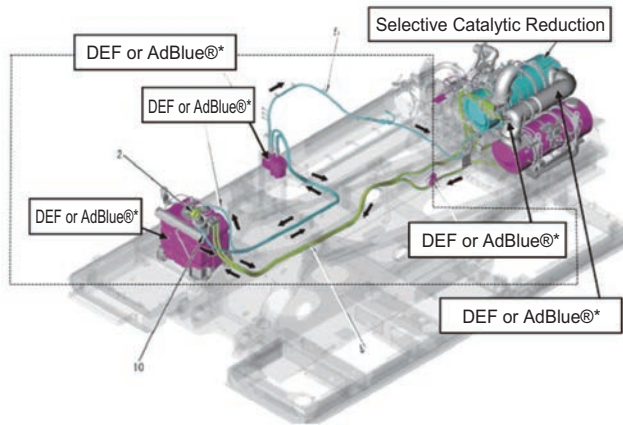


Fig. 2 Arrangement of SCR system

(1) DEF or AdBlue® providing system

DEF or AdBlue® providing system is composed of DEF or AdBlue® tank, DEF or AdBlue® pump, and DEF or AdBlue® injector.

Pressurised DEF or AdBlue® or DEF or AdBlue® pump is shot into exhaust gas.

Based on the condition monitoring of engine and Selective Catalytic Reduction Ass'y, this system controls the amount of V shooting to match the amount of NOx in exhaust gas corresponding to engine working condition.

This system has heater also to avoid the freeze of DEF or AdBlue® under -11 degree C.

(2) DEF or AdBlue®* mixing tube

In order to disperse ammonia into exhaust gas uniformly, this tube has the most suitable designed inner structure.

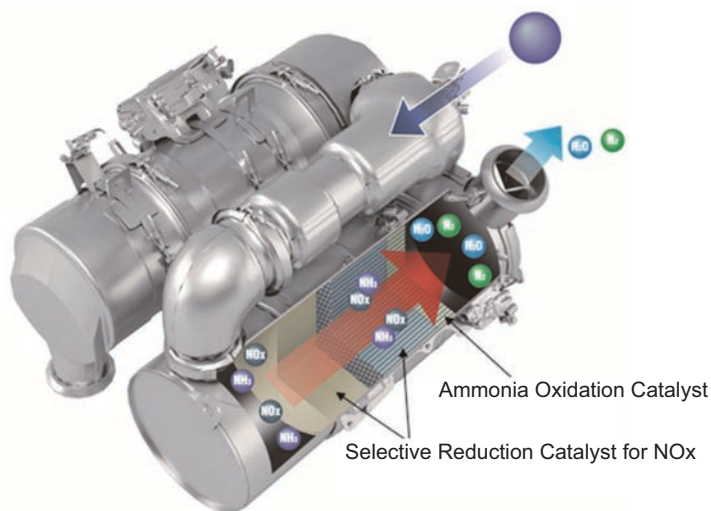


Fig. 3 SCR Ass'y inner structure

(3) Selective Catalytic Reduction Ass'y

Selective Catalytic Reduction Ass'y has Selective Reduction Catalyst for NO_x to react NO_x with ammonia and to promote the decomposition of NO_x into non-toxic nitrogen gas (N_2) and water vapor (H_2O).

This ass'y decides the suitable amount of DEF or AdBlue®* to provide needed ammonia corresponding to the amount of NO_x .

In order to avoid discharge of remained ammonia into the atmosphere, the Ammonia Oxidation Catalyst is arranged after Selective Reduction Catalyst for NO_x .

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SECTION **13**

TIRES

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Service	TRA classification	Tread	Use
Earthmover	E-1	Rib	For front wheels of dump trucks
	E-2	Traction	For scrapers used on sandy ground and soft soil where traction is necessary.
	E-3	Rock	For dump trucks and scrapers used where resistance against external damage and abrasion is important.
	E-4	Rock Deep Tread	For scrapers and dump trucks used where resistance against external damage and abrasion is required.
	E-7	Flotation	For carry-all scrapers stronger than E3, used where only flotation is needed.
Grader	G-1	Rib	For front wheels of graders.
	G-2	Traction	For rear wheels of graders used where traction is necessary.
	G-3	Rock	For rear wheels of graders used where resistance against external damage and abrasion is necessary, rather than traction.
Loader	L-2	Traction	For loaders and dozers used on sandy ground where traction is necessary.
	L-3	Rock	For loaders and dozers used on mountain sand and on rocks where resistance against external damage and abrasion is necessary.
	L-4	Rock Deep Tread	For loaders and dozers used where resistance against external damage and abrasion is required to be stronger than those of L3.
	L-4S	Smooth Deep Tread	For loaders and dozers used where resistance against external damage and abrasion is required to be stronger than those of L-3S.
	L-5	Rock Extra-Deep Tread	For loaders and dozers used where resistance against external damage and abrasion is required to be stronger than L4.
	L-5S	Smooth Extra-Deep Tread	For loaders used where resistance against external damage and abrasion is required to be stronger than that of L-4S.
Compactor	G-1	Smooth Tread	For Tire rollers
Log-skidder	G-1	Intermediate	For skidder

TIRE PATTERN

TRA classification	BRIDGESTONE	MICHELIN
E1		
E2	◆VKT, VHS, VUT VSB, VFT, VSW	XGC, XVC, XLB, XMH X-CRANE+ XSNOPPLUS ◆XV
E3	◆VEL, ◆L317 ●VMT, ●VLT VTS, VRF	XTS, XMS ●XADN+, ●XAD65-1 ●Xtra Flexlife* ◆XDC XK
E4	◆VELS, ◆VRLS ◆VMTS, ◆VMTP ◆VZTP, VREP VRPS, VREV VRDP, VRQP ●VLTS, VSNT	XRS, ●Xtra Defend ◆XHD1, ◆XDT ◆X-Traction ◆X-Haul, ◆X-Quarry ◆Xtra Load Grip ◆Xtra Load Protect ◆XDR, ◆XDR2, ◆XDR3 XK D1, TXTL
E7	VSJ	*●XS Sand
G1	RG	
G2	FG, GL VUT, VSW	XSNOPPLUS ■XGLA2, ■XTLA
G3	RL, VJT	■XHA2, ■XLD
G4	VMTS	■XLDD1
G5		■XLDD2
L2	FG, GL VSW	XSNOPPLUS ▲XGLA2, ▲XTLA
L3	RL, VL2, TL VJT, VTS VMT, RL	▲XHA2, ▲XLD ▲Xtra Flexlife**
L4	NL, RLS VSNT, VLTS, VSNL	▲XTXL, ▲XLDD1
L5	DL, DL2, DL2A VSDL, VSDR, VSDT	▲XLDD2 XMINE D2, XSM D2+

◆ : For Rigid Dump Truck

● : For Articulated Dump Truck

■ : For Grader

▲ : For Loader

* : This new pattern will replace XADN+ and XAD65-1 in 2019-2020.

** : This new pattern will replace XHA2 in 2019-2020.

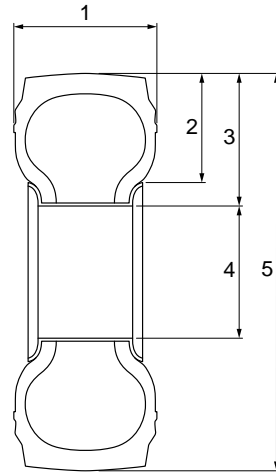
1. TIRE SIZE DESIGNATION

Indicating dimensions of tire:

Generally speaking the designation of tires refers to their size in inches and their ply rating (PR). The size of a tire means the width of and the diameter of the rim (inside diameter of tire), while the ply rating shows the strength of the carcass.

1. Tire width (cross-sectional width)
2. Tire height
3. Cross-sectional height
4. Rim diameter
5. Tire outside diameter

Bias	Nominal tire width 24.00	-	Nominal rim diameter 49	-	Ply rating 48PR
Radial	Nominal tire width 24.00	-	Nominal rim diameter 49	-	Star mark ★ ★



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Nowadays the ply rating shows the strength of the tire; it no longer shows the number of layers of cord cloth. Originally the term "ply" did in fact refer to the number of layers of cord cloth, and was therefore an indication of the tire strength. But with the development of new materials, the original cotton cord cloth changed first to rayon and has now been replaced by nylon or steel wire.

This has made it possible to greatly increase the strength without increasing the number of layers of material. Consequently the term "ply rating" has come to be used to indicate the strength of the tire rather than to express the actual number of plies.

Stars (*, **, ***) are used to indicate the strength of radial tires.

2. STRUCTURE AND FUNCTION OF TIRE

2-1 Conventional Tire

a) Tread

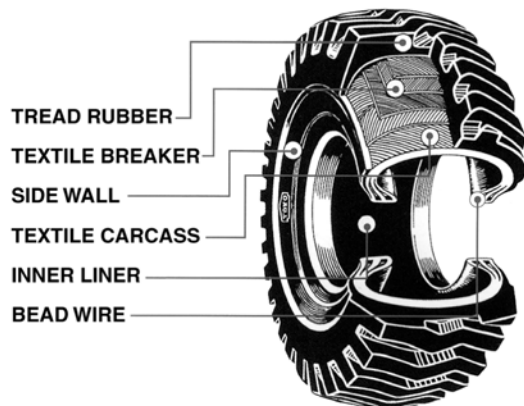
The tread compound used is resistant to abrasions and cuts. Tread patterns give the tire good traction, longer serviceability and higher resistance to cutting.

b) Breaker

Extra layers of rubber-coated cord are placed between the outer plies and the tread. They prevent cuts reaching the ply cords through tread, and absorb shocks.

c) Plies

A tire is composed of several layers of plies, coated on both sides by a rubber compound. These maintain inflation pressure of the tires supporting load. These plies are made of high tensile nylon cord.



The term "Ply Rating", according to the Tire and Rim Association (TRA), is defined as follows:

"A given tire with its maximum recommended load when used in specific type service. It is an index of tire strength and does not necessarily represent the number of cord plies in the tire."

d) Inner liner

The inner liner is a rubber layer covering the inside from bead to bead of a tubeless tire, corresponding to the tube of an ordinary tube tire. It prevents the loss of inflation pressure of the tire.

e) Beads

Beads are the parts which fix the tire to the rim. All plies are tied into bundles of steel wire. The beads fit on the rim perfectly, preventing the tire from slipping out of the rim contour while the vehicle is in motion.

f) O-Ring (rim packing)

When the tire is inflated this rubber ring prevents air breaking through gaps in the rim.

g) Side-walls

Side-walls are covers made of a flexible rubber compound to protect the sides of the tire. Side-walls are designed to cushion the plies from shocks and cuts, and to flex and bend without cracking, under ordinary usage.

h) Tubes and Flaps

Function of the tube is to retain air or inert gases under pressure within the cord body. The flap protects the tube from damage by the rim and tire beads.

2-2 Shredded Wire Under Tread Tire

Shredded wire under tread tire has a special rubber layer strengthened by the shredded wire between the tread and breaker. The shredded wire rubber-layer has the following benefits.

- (1) Protects against cuts, not only reducing repair expenses, but improving the overall performance of vehicles.
- (2) Prevents small cuts from spreading.
- (3) Prevents penetration into the tire of water, dust, mud and pebbles, which can lead to cut-separation.
- (4) Cut-free strength ensures a greater number of recaps.

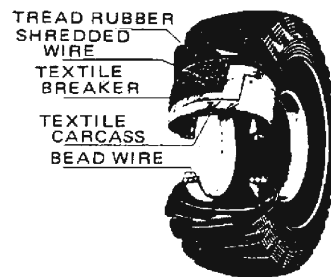


Fig.3 Construction of shredded wire under tread tire

2-3 Steel Breaker Tire

Rock pattern tires often feature breaker material. The breaker was changed from nylon to steel in order to resist cuts and cut bursts.

- (1) Tread cuts do not extend to bursting.
- (2) Puncturing of tires is reduced.
- (3) There is less carcass damage to the tire so that tire can be re-treaded many times.

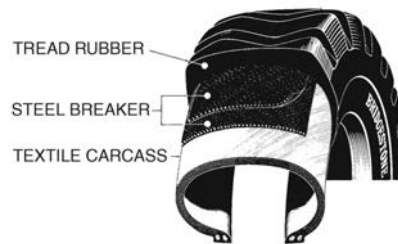


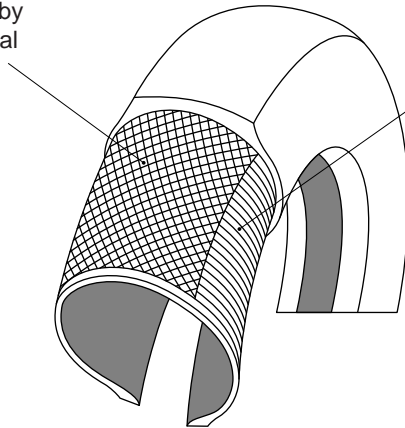
Fig.4 Construction of steel breaker tire

2-4 Side Steel Breaker Tire

In this tire the steel breaker is extended to the side-wall of the tire to protect it against side damage. The construction is similar to that described above.

2-5 Radial Tire

The crown is stabilized by a belt made up of several plies.



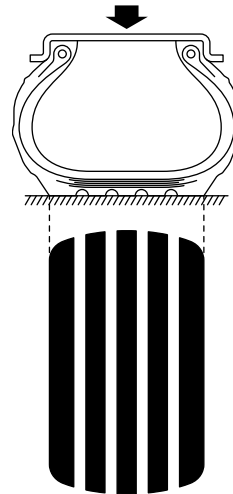
The casing has only one radial ply.

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The side-wall and tread areas function separately. The tread is unaffected by the flexing of the side-walls, so there is:

- less deformation of the tire contact areas on the ground ;
- less friction with the ground.

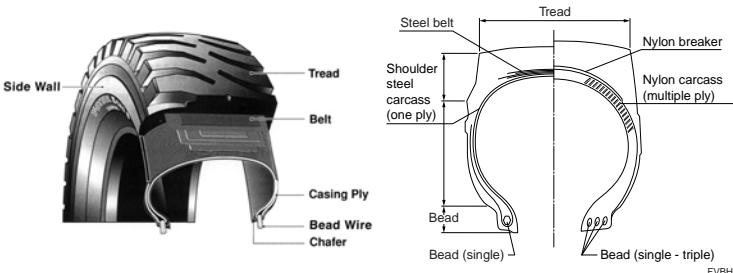
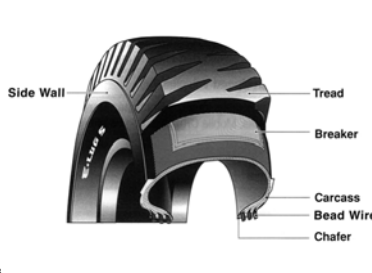
There is no movement between casing plies.



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3. COMPARISON OF BIAS AND RADIAL TIRES

3-1 Structure and features of tires

	Structure of radial tires	Structure of bias tires
		
Carcass	The carcass cord faces in a radial direction (at 90° across the tire). • There is one layer (ply)	The carcass cord faces at bias (angle to the tire). • Several plies are placed on top of each other and at an angle to each other.
Side wall	Only a single ply is used, so the side wall is flexible. • To improve the resistance of the side wall to cuts, the carcass is turned up.	The plies are placed on top of each other at an angle, so the side wall is thick.
Tread	To distribute the load around the circumference there is a steel belt layer which gives the tread high rigidity.	A breaker is used to protect the carcass and to prevent the tread and carcass from separating (Normally, a nylon breaker is used. Steel breakers are not suited for high speed travel.)
Bead	Single bead structure	There are multiple plies, so there are also multiple beads. (For dump trucks, there are normally three).
Tire inflation pressure	Because of the structure of the tire, the inflation pressure is higher than with bias tires.	Normally 5 - 7 kg/cm ²

3-2 Suitable tire

Feature required	Suitable		
	Radial	Bias	
Wear life	○		
High speed travel (heat resistance)	○		
Cut resistance	Penetration resistance	○	
	Sidcut resistance		○
Fuel consumption	○		
Travelability (traction, flotation) Riding comfort	○		
	○		
Cost	Initial cost		○
	Operating cost	○	

4. TREAD PATTERN

The tread pattern can be divided broadly into the type in Fig. 1, which has no circumferential groove in the tread center, the type in Fig. 2, which has transversal grooves, and the type in Fig. 3, which has a block pattern. Generally speaking, the first type provides excellent resistance to cutting and wear, while the second type provides excellent traction on slippery surfaces. The block pattern is typical of radial tires giving good all round performance.

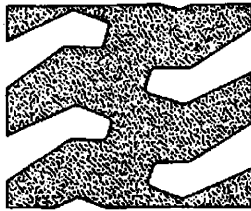


Fig. 1

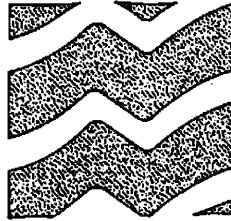


Fig. 2

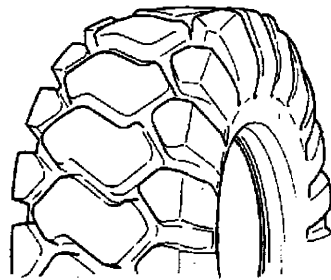


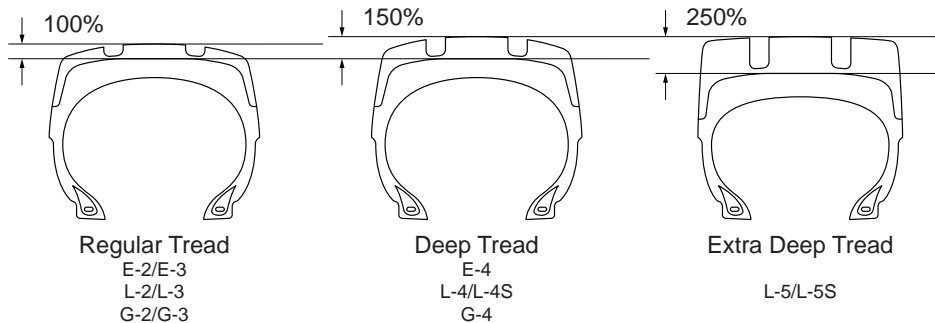
Fig. 3

5. DEPTH OF TREAD GROOVE ON ROCK-TYPE TIRES

There are the following depths of grooves for dump truck tires. The main feature of the deep groove tire is the large amount of wear tolerance.

Table 2-2

Category of groove depth	TRA code	General use	Groove depth
General groove	E3	Hard soil, general	100
Deep groove	E4	When it is necessary to have greater resistance to external damage and resistance to wear than with E 3.	Approx. 150



6. TKPH (TMPH)

The primary task of heavy-duty tires is to haul heavy loads faster and over longer distances. This heavy load hauling inevitably results in heat built-up inside the tires, and tires have limitation of temperature.

If this limitation is reached, deterioration of the tire will begin at an early stage of operation. Accordingly, it is necessary when selecting tires, to determine the amount of work will keep the tire within a safe range to avoid over-heating when a vehicle is operated under given conditions.

The amount of work done under the given conditions and within a safe range is shown as the "TON-KILO-PER-HOUR" ("TON-MILE-PER-HOUR") which can be determined by the following formula:

$$\text{TKPH(TMPH)} = (\text{Average tire load}) \times (\text{Average speed})$$

$$\text{Average tire load} = 1/2 (\text{tire load when vehicle carries no load} + \text{tire load when vehicle is loaded})$$

$$\text{Average speed} = \frac{\text{round trip distance} \times \text{number of job cycles per day}}{\text{total hours of operation per day}}$$

- Total hours of operation include recess and dead time.

7. TIRE CHARACTERISTICS

The optimum tires should be selected for their applicable operation or job and terrain conditions depending on the cutting (wear) resistance and heat resistance. These resistant qualities are indicated as follows:

(1) CR (cutting resistance)

Excellent durability against cuts and wear due to excess road crown, imbedded or loose rocks, sharp objects, etc.

(2) HR (Heat resistance)

A resistant quality against the internal heat generation makes a machine suitable for long hauls.

(3) GP (General purpose)

Tires having medium degree of the above resistant qualities, CR and HR.

(4) Shredded wire under tread and steel breaker types

These types of tires are made more durable against cuts than the CR with special precautions to limit tire wear and cutting by incorporating the layer of steel cord between tread and casing, or by providing a cord - reinforced rubber interlay between the tire cover and plies to shield the plies against penetration by sharp objects.

Selection of tires to match required characteristics (tire structure, quality of rubber)

Specification	Tread rubber quality			Structure		
	Standard	Heat resistance	Cut resistance	Nylon breaker	Steel breaker	Side steel breaker
Wear resistance	○	△	⊙	○	○	○
Cut resistance	Tread	○	△	○	⊙	⊙
	Side	○	○	○	○	⊙
Heat resistance	○	⊙	△	○	△	△
Traction, flotation	○	○	○	○	○	○

⊙ : Excellent ○ : Good △ : Fair

Because of the structure and quality of the rubber used for the tread, cut resistance and wear resistances are mutually opposite to heat resistance, so when selecting tires, always check the TKPH.

Depending on the tire, super heat-resistant (SHR) and super cut-resistant (SCR) tread rubber are available, so ask your tire distributor for details of tires that are not listed in the operation manual.

8. TIRE IDENTIFICATION

Tire characteristics	BRIDGESTONE	MICHELIN
CR (Cut-resistant)	2A (cut-resistant) 2V* (Special cut-resistance) 2Z* (Special cut-resistance)	A4 A
GP (General purpose)	1A (Standard)	B4 B
HR (Heat-resistant)	3A (Heat-resistant)	C4 C

* Bias tire only

Code identification for MICHELIN tires

Type A4: Particularly resistant to cuts, tread tearing and abrasion on very rough surfaces.

Type A: Particularly resistant to cuts, tread tearing and abrasion at average speeds which are higher than those for A4 (above).

Type B4: Compromise solution between abrasion resistance and average speed on rough surfaces. (available in sizes 49 inch rim diameter and above)

Type B: Higher resistance to internal heat generation on surfaces which are not particularly rough.

Type C4: For running on long cycles at high speeds on well maintained roads.

Type C: Very high resistance to high average speeds on long cycles run on well maintained roads

New compounds

Type MB4: Same as Type B4 but with a higher wear resistance

Type MB: Same as Type B but with a higher wear resistance

Type MC4: Same as Type C4 but with a higher wear resistance

Type MC: Same as Type C but with a higher wear resistance

Selecting tires suitable to working conditions (Structure of tire and quality of rubber)

Examples of procedure for selecting tires of dump truck and wheel loader

		Procedure for selecting tires		
Dump truck	(1) Carrying material in mine (limestone) or stone crushing pit (RDT, ADT)	Tires generate little heat Tires have high chance to be cut	⇒ Cut resistance Abrasion resistance	⇒ Deep-groove (E-4) Cut-resistant rubber Steel breaker
	(2) Carrying material in mine (coal, iron ore, etc.) (RDT, ADT)	Tires generate much heat Tires have medium chance to be cut Working speed is high	⇒ Heat resistance Abrasion resistance Cut resistance	⇒ General-groove, deep-groove E3, E4 Heat-resistant tread rubber Radial structure
	(3) Carrying material in dam construction or civil engineering field (RDT, ADT)	Tires generate much heat Tires have medium chance to be cut	⇒ Heat resistance Abrasion resistance Cut resistance	⇒ General-groove, deep-groove (E3, E4) Heat-resistant tread rubber Radial structure
	(4) Carrying material on soft (muddy) ground (ADT)	Tires generate little heat Tires have high chance to be cut Ground pressure is low	⇒ Cut resistance High floating performance Abrasion resistance	⇒ General-groove, deep-groove (E3, E4) Heat-resistant tread rubber Radial structure
Wheel loader	(1) Mining and collecting natural stones	Tires generate little heat Tires have high chance to be cut Abrasion life is short	⇒ Cut resistance Abrasion resistance	⇒ Deep-groove or ultra deep-groove (L-4, L-5) Cut-resistant tread rubber General-groove (L3) + Steel breaker or side steel breaker
	(2) Loading products of mine or stone crushing pit	Tires generate little heat Tires have low chance to be cut Abrasion life is long	⇒ Durability of carcass Crack resistance (Deterioration)	⇒ General-groove (L3)
	(3) Loading and carrying sand and gravel	Tires generate little heat Tires have little chance to be cut Abrasion life is long	⇒ Durability of carcass Crack resistance Traction	⇒ General-groove (L3) Traction (L-2)
	(4) Load and carry operation	Tires generate much heat Tires have little chance to be cut Abrasion life is long	⇒ Heat resistance Crack resistance	⇒ Heat-resistant tread rubber General-groove (L3) Traction (L-2)

NOTE: Some tires in the above table cannot be selected for some destinations.

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SECTION **14**

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FOR QUARRY Sec 14B

SECTION 14A

FOR MINING

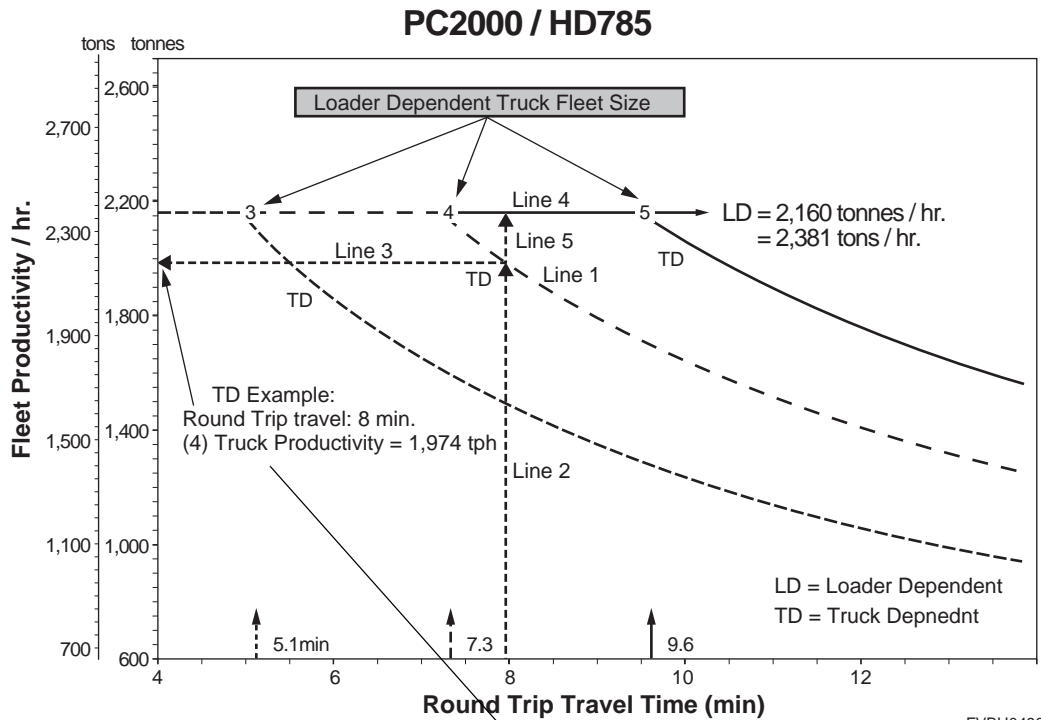
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What is HAT?

- The Haulage Analysis Tool (HAT) v5.0 software program generates haulage fleet performance results in both graphical and digital formats.
- Built-in sensitivity analysis allows the user to study productivity and cost variability as Round Trip Travel Time and Truck Fleet Size change, which can be of value when identifying the proper fleet configuration for variable application conditions.

How to Read HAT Output?



FVBH0496

Parameter:

Loading Tool = PC2000
Hauling Tool = HD785

Material Density (kg / lcm) =	1,780
Material Swell (%) =	30%
Bucket Size (lcm) =	12
Bucket Fill (%) =	95%
Cycle Time (sec) =	30
No. of Passes =	4
Truck Payload (tonnes) =	81
Truck Spot Time (sec) =	15
Efficiency (min / hr) =	60

lcm: loose cubic meter

tph	FLEET PERFORMANCE		
	3 Trucks	4	5
3	2,160	2,160	2,160
4	2,160	2,160	2,160
6	1,857	2,160	2,160
8	1,480	1,974	2,160
10	1,230	1,641	2,051

Loader Dependent - LD
Truck Dependent - TD

How to obtain productivity in a Truck Dependent (TD) application:

Graphical Method:

- 1) For a given Round Trip Travel Time figure, draw a vertical line to the curved line (tail) that represents the desired fleet size. (Example: an 8 minute Travel Time and a (4) truck haulage fleet, see Line 2 and Line 1 respectively).
- 2) Draw a horizontal line left from the intersection of Line 1 and Line 2. Where this line intersects the vertical axis is the productivity of the fleet in this application. (Example: see Line 3, 1,974 tph).

Matrix Method:

- 1) Within the matrix, for any given Round Trip Travel Time and Haulage Fleet Size configuration, a white cell represents Truck Dependent Productivity. (Example: an 8 minute Travel Time and a (4) truck haulage Fleet = 1,974 tph).

How to determine productivity in a Loader Dependent (LD) application:

Graphical Method:

- 1) Loader Dependent productivity is constant and is displayed at the right end of Line 4. (Example: 2,160 tonnes / hr.).

Matrix Method:

- 1) Within the matrix, any productivity in a shaded cell represents a Loader Dependent Application. (Example: 2,160 tonnes / hr.).

How to determine the number of trucks required for a Loader Dependent Application:

- 1) For any Round Trip Travel Time, draw a vertical line to Line 4. (Example: 8 minute Round Trip Travel Time, see Line 5).
- 2) The Loader Dependent Fleet Size value to the right of this intersection represents the fleet size in this application. (Example: 5 trucks).

How to obtain the productivity of a Single Truck:

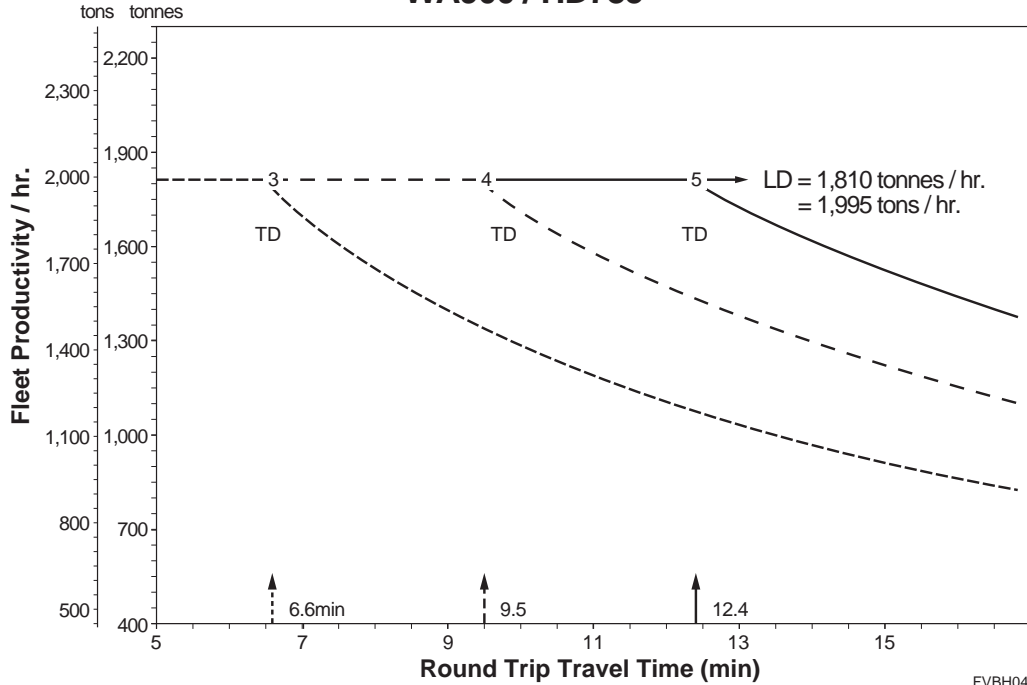
Truck Dependent Application:

1. First follow the steps to obtain Truck Dependent Fleet Productivity.
Divide the Truck Dependent Fleet Productivity by the number of trucks to determine Single Truck productivity. (Example: 1,974 tph ÷ (4) Trucks = 494 tph).

Loader Dependent Application:

1. First follow the steps to obtain Loader Dependent Fleet Productivity.
Divide the Loader Dependent Fleet Productivity by the number of trucks to determine Single Truck productivity. (Example: 2,160 tph ÷ (5) Trucks = 432 tph).
Note: In a Loader Dependent Application, the productivity of a single truck includes wait time at the loader.

WA900 / HD785



FVBH0497

Parameter:

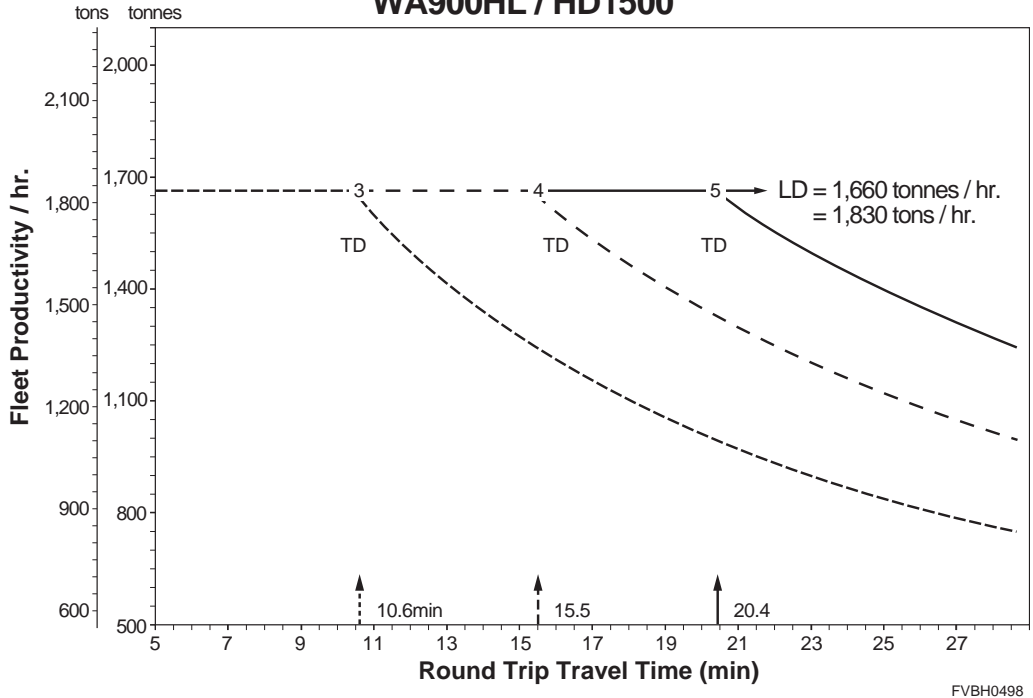
Loading Tool = WA900
 Hauling Tool = HD785

Material Density (kg / lcm) = 1,780
 Material Swell (%) = 30%
 Bucket Size (lcm) = 13
 Bucket Fill (%) = 95%
 Cycle Time (sec) = 40
 No. of Passes = 4
 Truck Payload (tonnes) = 88
 Truck Spot Time (sec) = 15
 Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	2	1,810	1,810	1,810
	4	1,810	1,810	1,810
	6	1,810	1,810	1,810
	8	1,530	1,810	1,810
	11	1,187	1,582	1,810

Loader Dependent - LD
 Truck Dependent - TD

WA900HL / HD1500



FVBH0498

Parameter:

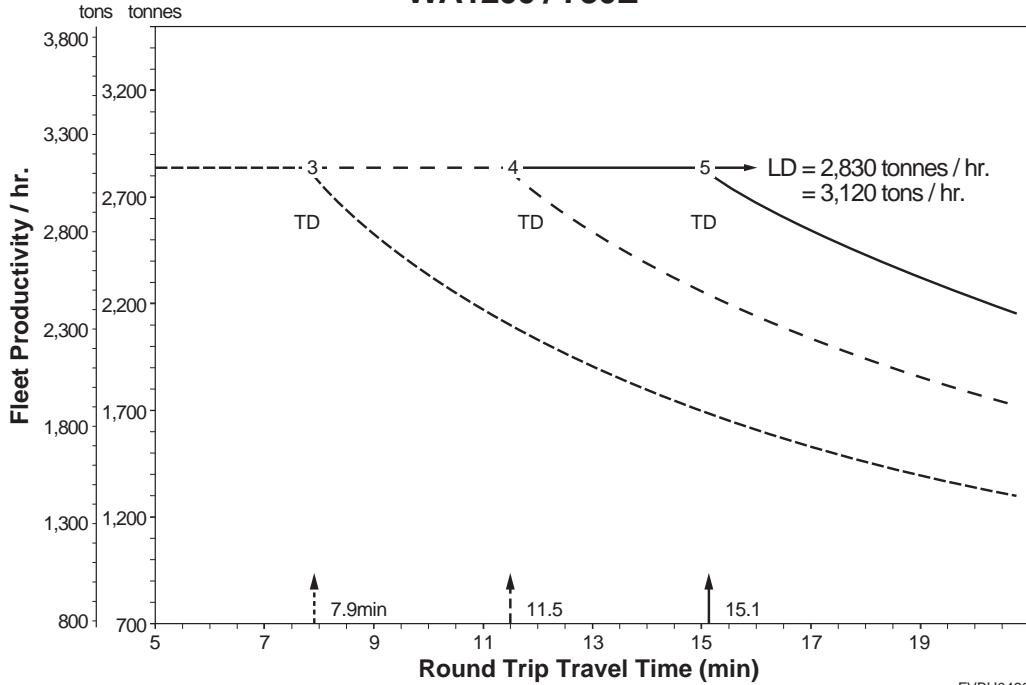
Loading Tool = WA900 HL
Hauling Tool = HD1500

Material Density (kg / lcm) = 1,780
Material Swell (%) = 30%
Bucket Size (lcm) = 11.5
Bucket Fill (%) = 95%
Cycle Time (sec) = 40
No. of Passes = 7
Truck Payload (tonnes) = 136
Truck Spot Time (sec) = 15
Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	6	1,660	1,660	1,660
	10	1,660	1,660	1,660
	15	1,265	1,660	1,660
	19	1,048	1,398	1,660
	24	863	1,151	1,439

Loader Dependent - LD
 Truck Dependent - TD

WA1200 / 730E



FVBH0499

Parameter:

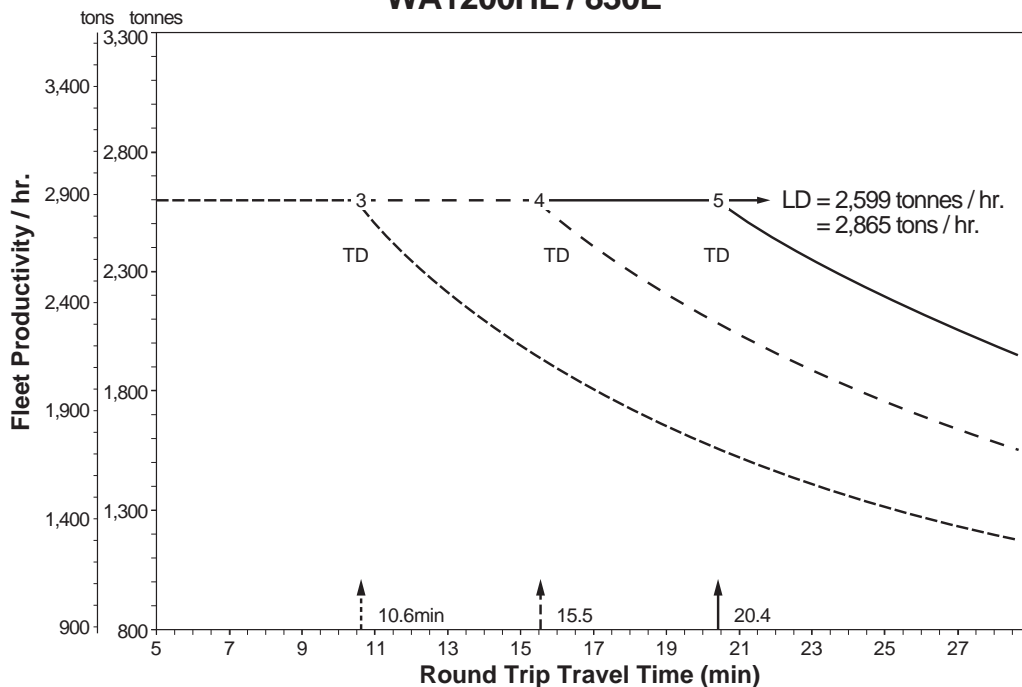
Loading Tool = WA1200
Hauling Tool = 730E

Material Density (kg / lcm) = 1,780
Material Swell (%) = 30%
Bucket Size (lcm) = 20
Bucket Fill (%) = 95%
Cycle Time (sec) = 40
No. of Passes = 5
Truck Payload (tonnes) = 169
Truck Spot Time (sec) = 15
Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	6	2,830	2,830	2,830
	9	2,531	2,830	2,830
	12	2,026	2,701	2,830
	15	1,688	2,251	2,830
	18	1,447	1,930	2,412

Loader Dependent - LD
Truck Dependent - TD

WA1200HL / 830E



FVBH0500

Parameter:

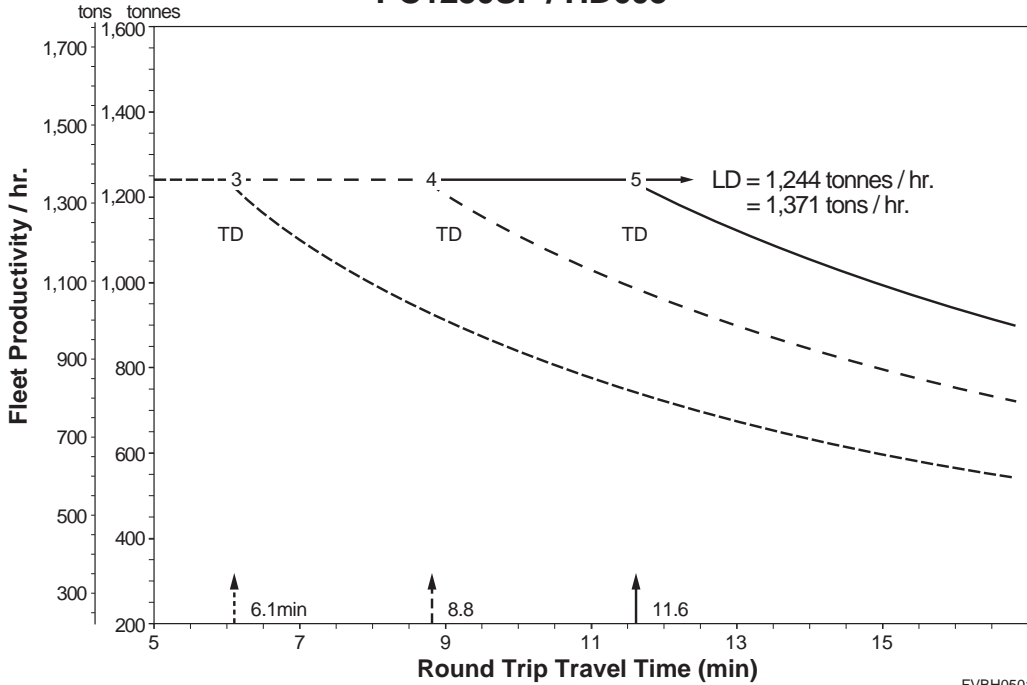
Loading Tool = WA1200HL
 Hauling Tool = 830E

- Material Density (kg / lcm) = 1,780
- Material Swell (%) = 30%
- Bucket Size (lcm) = 18
- Bucket Fill (%) = 95%
- Cycle Time (sec) = 40
- No. of Passes = 7
- Truck Payload (tonnes) = 213
- Truck Spot Time (sec) = 15
- Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	6	2,599	2,599	2,599
	10	2,599	2,599	2,599
	15	1,981	2,599	2,599
	19	1,642	2,189	2,599
	24	1,352	1,803	2,254

Loader Dependent - LD
 Truck Dependent - TD

PC1250SP / HD605



FVBH0501

Parameter:

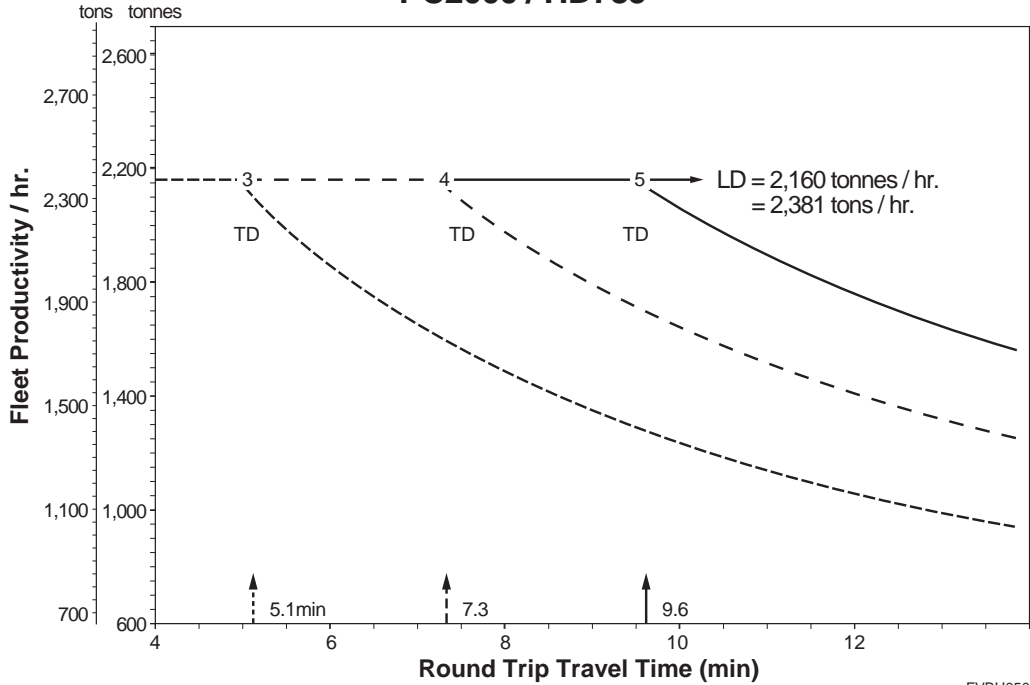
Loading Tool = PC1250SP
 Hauling Tool = HD605

- Material Density (kg / lcm) = 1,780
- Material Swell (%) = 30%
- Bucket Size (lcm) = 6.7
- Bucket Fill (%) = 95%
- Cycle Time (sec) = 30
- No. of Passes = 5
- Truck Payload (tonnes) = 57
- Truck Spot Time (sec) = 15
- Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	2	1,244	1,244	1,244
	4	1,244	1,244	1,244
	6	1,244	1,244	1,244
	8	991	1,244	1,244
	11	769	1,025	1,244

Loader Dependent - LD
 Truck Dependent - TD

PC2000 / HD785



FVBH0502

Parameter:

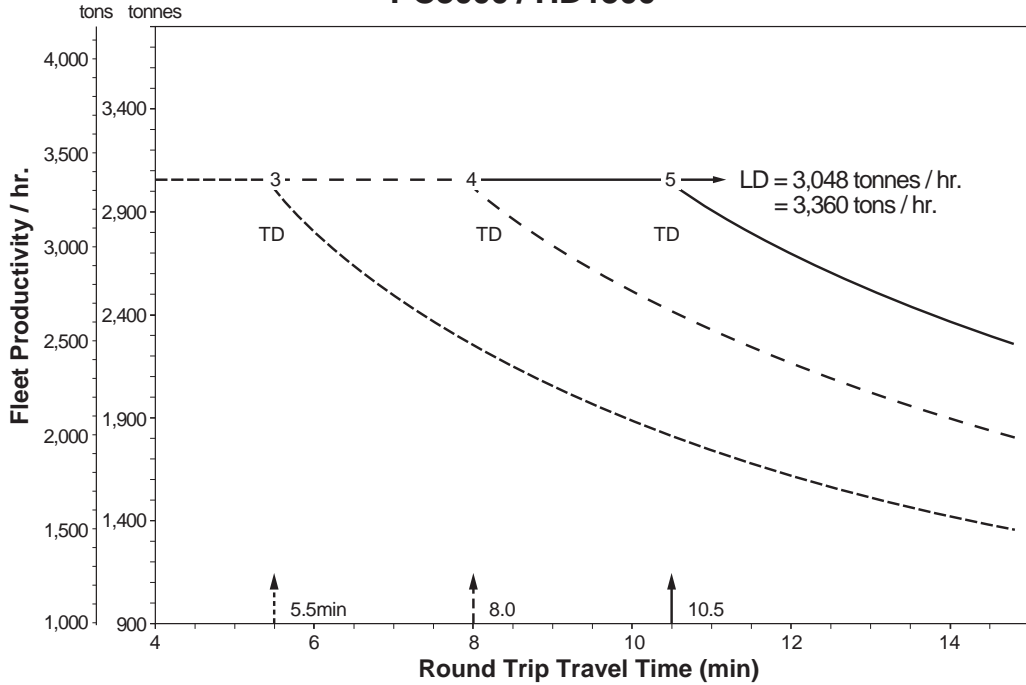
Loading Tool = PC2000
Hauling Tool = HD785

Material Density (kg / lcm) = 1,780
Material Swell (%) = 30%
Bucket Size (lcm) = 12
Bucket Fill (%) = 95%
Cycle Time (sec) = 30
No. of Passes = 4
Truck Payload (tonnes) = 81
Truck Spot Time (sec) = 15
Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	3	2,160	2,160	2,160
	4	2,160	2,160	2,160
	6	1,857	2,160	2,160
	8	1,480	1,974	2,160
	11	1,230	1,641	2,051

Loader Dependent - LD
Truck Dependent - TD

PC3000 / HD1500



FVBH0503

Parameter:

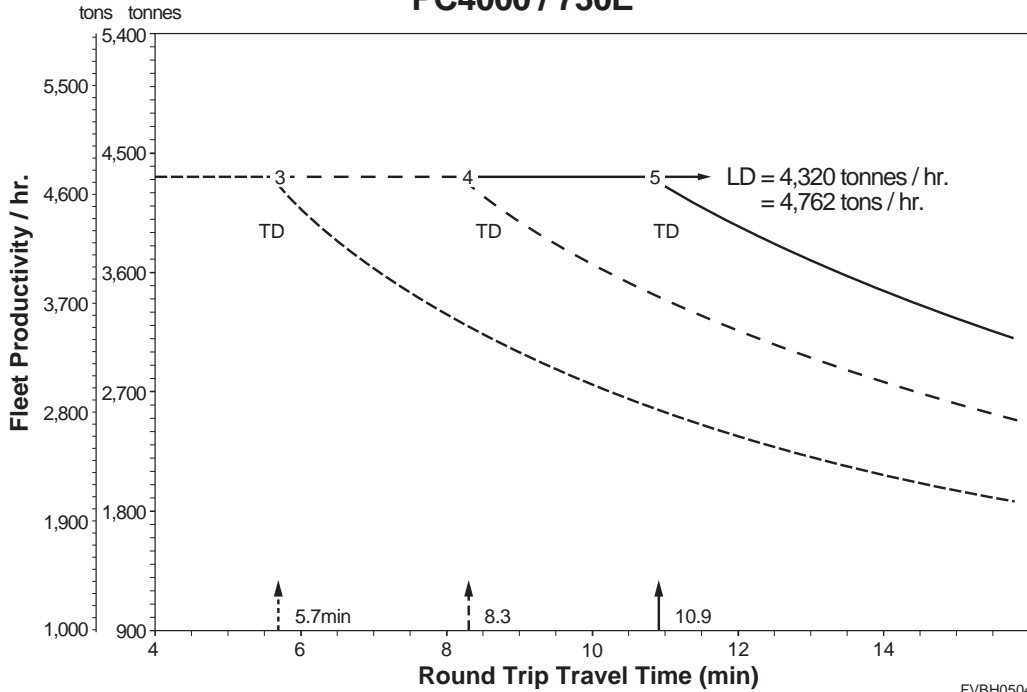
Loading Tool = PC3000
 Hauling Tool = HD1500

Material Density (kg / lcm) = 1,780
 Material Swell (%) = 30%
 Bucket Size (lcm) = 15
 Bucket Fill (%) = 95%
 Cycle Time (sec) = 27
 No. of Passes = 5
 Truck Payload (tonnes) = 127
 Truck Spot Time (sec) = 15
 Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	2	3,048	3,048	3,048
	4	3,048	3,048	3,048
	6	2,805	3,048	3,048
	8	2,252	3,003	3,048
	10	1,881	2,509	3,048

Loader Dependent - LD
 Truck Dependent - TD

PC4000 / 730E



Parameter:

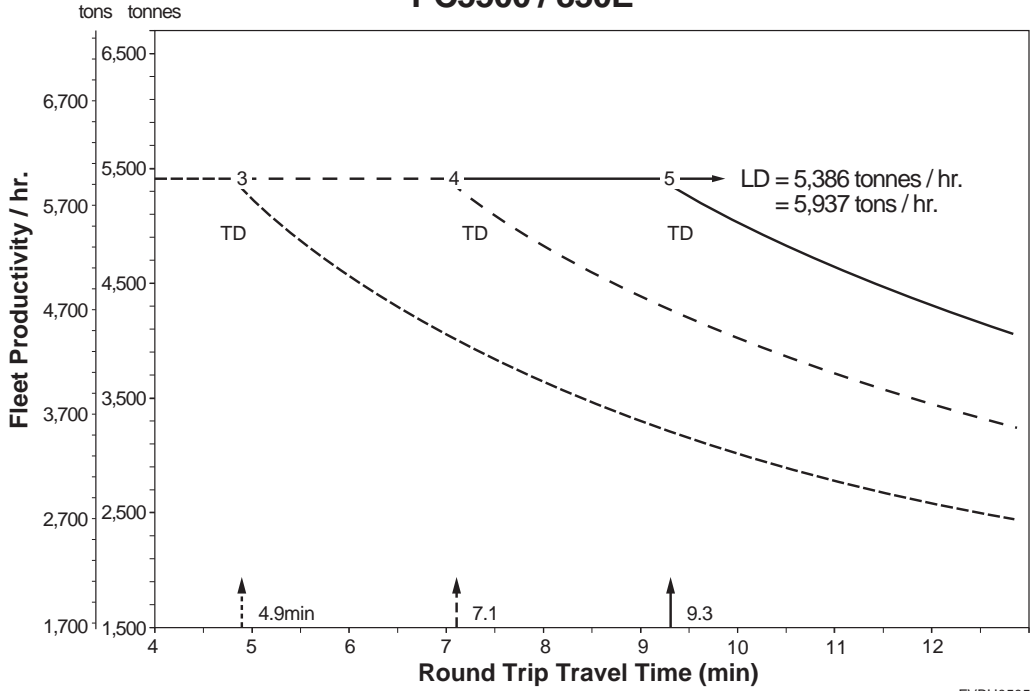
Loading Tool = PC4000
Hauling Tool = 730E

Material Density (kg / lcm) = 1,780
Material Swell (%) = 30%
Bucket Size (lcm) = 22
Bucket Fill (%) = 95%
Cycle Time (sec) = 28
No. of Passes = 5
Truck Payload (tonnes) = 186
Truck Spot Time (sec) = 15
Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	2	4,320	4,320	4,320
	4	4,320	4,320	4,320
	6	4,075	4,320	4,320
	8	3,277	4,320	4,320
	10	2,741	3,654	4,320

Loader Dependent - LD
Truck Dependent - TD

PC5500 / 830E



Parameter:

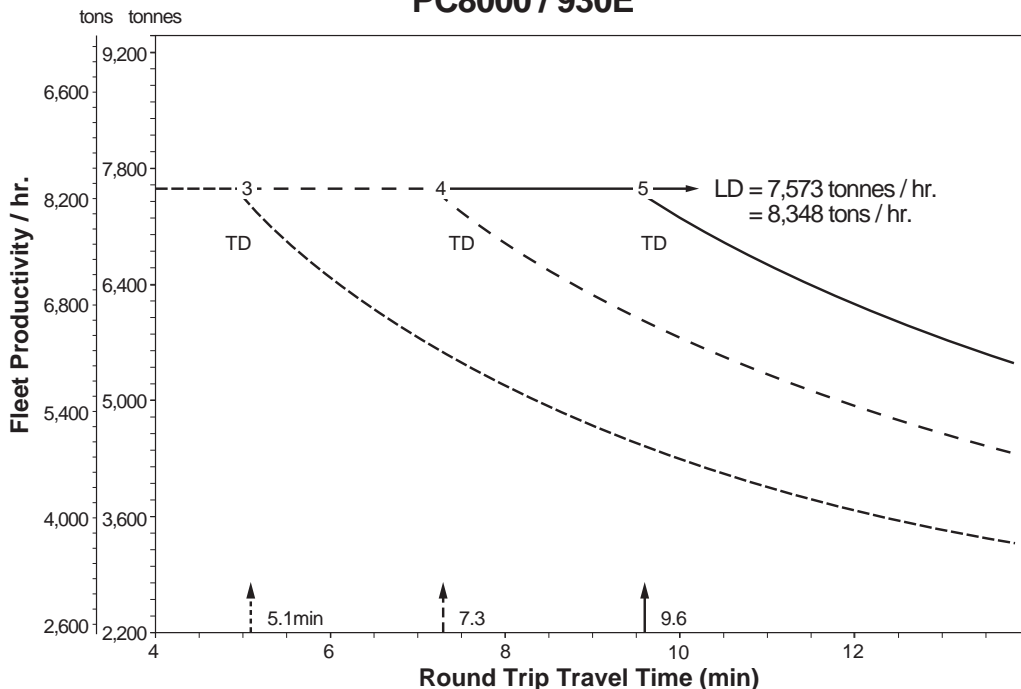
Loading Tool = PC5500
Hauling Tool = 830E

Material Density (kg / lcm) = 1,780
Material Swell (%) = 30%
Bucket Size (lcm) = 29
Bucket Fill (%) = 95%
Cycle Time (sec) = 29
No. of Passes = 4
Truck Payload (tonnes) = 196
Truck Spot Time (sec) = 15
Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	3	5,386	5,386	5,386
	4	5,386	5,386	5,386
	6	4,523	5,386	5,386
	8	3,600	4,800	5,386
	9	3,267	4,356	5,386

Loader Dependent - LD
Truck Dependent - TD

PC8000 / 930E



FVBH0506

Parameter:

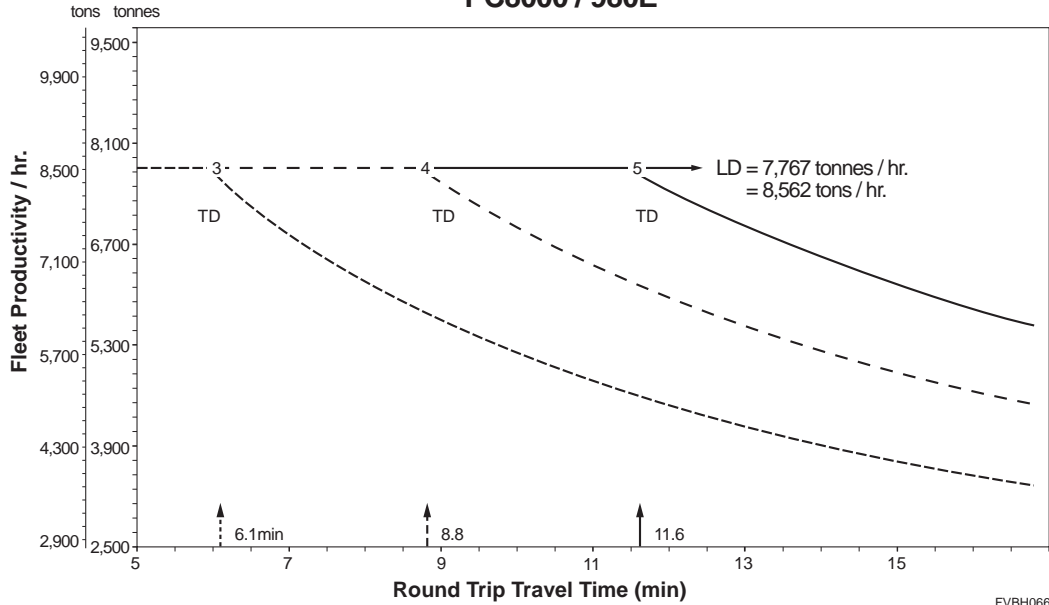
Loading Tool = PC8000
 Hauling Tool = 930E

Material Density (kg / lcm) = 1,780
 Material Swell (%) = 30%
 Bucket Size (lcm) = 42
 Bucket Fill (%) = 95%
 Cycle Time (sec) = 30
 No. of Passes = 4
 Truck Payload (tonnes) = 284
 Truck Spot Time (sec) = 15
 Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	3	7,573	7,573	7,573
	4	7,573	7,573	7,573
	6	6,512	7,573	7,573
	8	5,190	6,920	7,573
	10	4,314	5,752	7,190

Loader Dependent - LD
 Truck Dependent - TD

PC8000 / 980E



Parameter:

Loading Tool = PC8000
Hauling Tool = 980E

Material Density (kg / lcm) = 1,780
Material Swell (%) = 30%
Bucket Size (lcm) = 42
Bucket Fill (%) = 95%
Cycle Time (sec) = 30
No. of Passes = 4
Truck Payload (tonnes) = 356
Truck Spot Time (sec) = 15
Efficiency (min / hr) = 60

tph		FLEET PERFORMANCE		
		3 Trucks	4	5
RTTT (min)	4	7,767	7,767	7,767
	6	7,767	7,767	7,767
	68	6,191	7,767	7,767
	10	5,189	6,915	7,767
	13	4,175	5,566	6,958

Loader Dependent - LD
Truck Dependent - TD

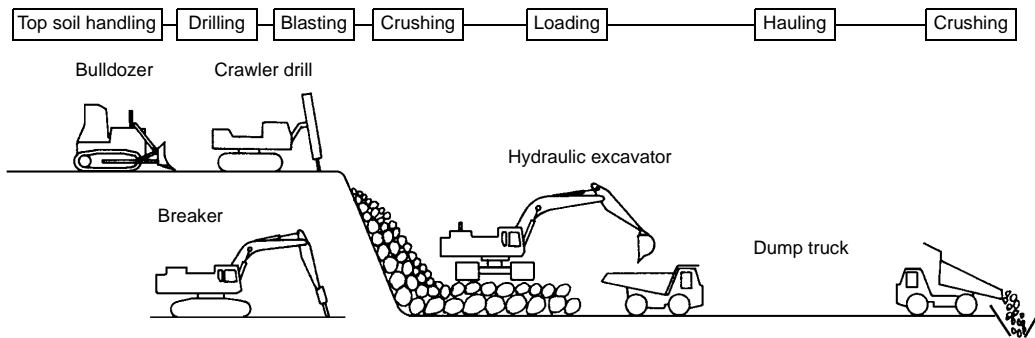
SECTION 14B

FOR QUARRY

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1. Quarry Production Processes and Operatings



2. Selecting the Loading Machine

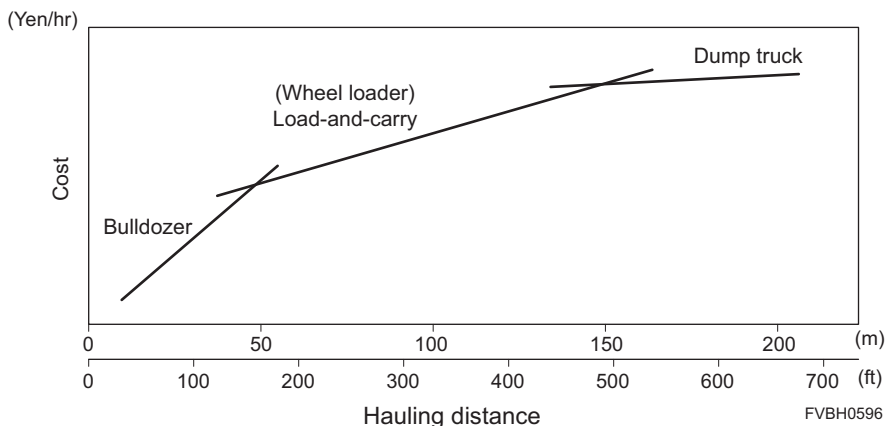
Hydraulic excavators and wheel loaders have their own advantages.

In quarries, it is important to select the loading machine that meets the production target and is suitable for the terrain and site conditions.

Hydraulic excavator	<ul style="list-style-type: none"> (1) Provides large digging power and wide working range. Upward digging, downward digging, and loading can be performed with a single machine. (2) Able to select rocks while loading (3) Less fatigue to the operator due to minimum shake or vibration on stationary position during operation (4) Only need small space for loading due to stationary swing (5) Not suitable for loading work while moving around multiple working faces due to slow travel speed
Wheel loader	<ul style="list-style-type: none"> (1) Able to perform loading while moving around multiple working faces due to its mobility (2) Delivers larger hourly production compared to hydraulic excavators. (3) Able to perform load-and-carry and other carrying operations (4) Requires supporting machines for works such as downward digging, etc. (5) Difficult to select rocks while loading

3. Guide for Hauling Method Selection

This graph shows economical distance for different earth-moving methods. Please use this graph as a reference when selecting suitable hauling method.

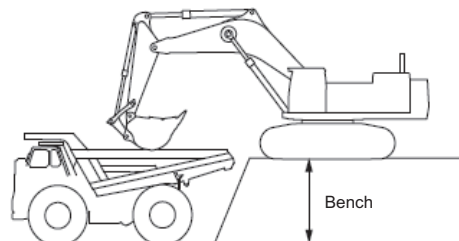


Hydraulic Excavator		Dump Truck								
Model (B/H)	Bucket capacity (Heaped) m ³ (cu.yd)	HM300	HM350	HM400	HD325	HD405	HD465	HD605	HD785	HD1500
		Payload m. ton (U.S. ton)								
		28 (31)	32.3 (35.6)	40 (44)	36.5 (40)	40 (44)	55 (61)	63 (69.4)	91 (100)	142 (156.5)
		Body Capacity m ³ (cu. yd)								
(SAE)	17.1 (22.4)	19.8 (25.9)	24 (31.4)	24 (31.4)	27.3 (35.7)	34.2 (44.7)	40 (52.3)	60 (78.5)	78 (102)	
PC400(LC)	1.9 (2.49)	9	11	13	12	13				
	2.06 (2.69)	9	10	12	11	12				
PC400(LC) [SE]	2.8 (3.66)	6	7	9	8	9				
PC450	1.9 (2.49)	9	11	13	12	13				
	2.1 (2.75)	8	10	12	11	12				
PC450(LC) [SE]	2.8 (3.66)	6	7	9	8	9				
PC490(LC)	2.25 (2.94)	8	9	11	10	11				
	2.55 (2.94)	7	8	10	9	10				
PC500LC	2.5 (3.27)	7	8	10	9	10	14			
	3.1 (4.05)	6	7	8	8	8	11	13		
PC500LC [SE]	3.1 (4.05)	6	7	8	8	8				
	3.5 (4.58)	5	6	7	7	7				
	4 (5.23)	5	5	6	6	6				
PC600(LC)	2.8 (3.66)	6	7	9	8	9	12			
PC700LC	3.1 (4.05)	6	7	8	8	8	11	13		
PC600(LC) [SE]	3.5 (4.58)	5	6	7	7	7	10			
PC700LC [SE]	3.5 (4.58)	5	6	7	7	7	10			
	4 (5.23)	5	5	6	6	6	9			
PC800	2.8 (3.66)	6	7	9	8	9	12			
	3.1 (4.05)	6	7	8	8	8	11	13		
	3.4 (4.45)	5	6	8	7	8	10	12		
PC800 [SE]	4 (5.23)	5	5	6	6	6	9	10		
	4.3 (5.6)	(4)	5	6	5	6	8	9		
	4.5 (5.9)	(4)	5	6	5	6	8	9		
PC850	3.4 (4.45)	(5)	6	8	7	8	10	12		
PC850 [SE]	4 (5.2)	(5)	(5)	6	6	6	9	10		
	4.3 (5.6)	(4)	5	6	5	6	8	9		
	4.5 (5.9)	(4)	5	6	5	6	8	9		
PC1250	4 (5.2)		5	6	6	6	9	10		
	5 (6.5)		4	5	5	5	7	8	11	
	5.2 (6.8)		4	5	5	5	7	8	11	
PC1250 [SP]	6.7 (8.8)		3	4	4	4	5	6	9	
PC2000	12 (15.7)						3	3	5	8
	13.7 (17.9)							3	4	7

Note:

- Number of passes: 4 to 8: Suitable; 3, 9 to 13: Possible
- Bucket fill factor = 0.9
- Type of Material = Blasted rock
- For combination with listed bracket "()", it is more likely to load truck from side rather than back-side because wide bucket width.

Loading method = Bench Loading (Backhoe)



FVBH0248

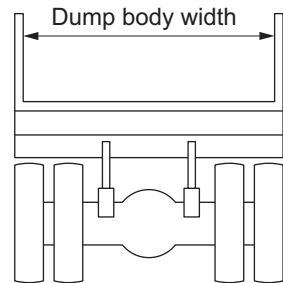
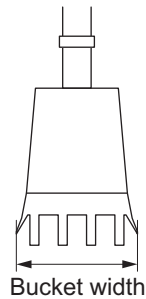
Relation between Bucket Width and Dump Body Width

Guideline: Bucket Width $\leq 0.7 \times$ Dump Body Width

Model	Bucket capacity m ³ (cu.yd)	Bucket width (*1) mm (in)
PC400(LC)	1.9 (2.49)	1625 (64")
PC400(LC)	2.06 (2.69)	1715 (67.5")
PC400(LC)	2.8 (3.66)	1715 (67.5")
PC450	1.9 (2.49)	1715 (67.5")
PC450	2.1 (2.75)	1625 (64")
PC450(LC)	2.8 (3.66)	1700 (67")
PC490(LC)	2.25 (2.94)	1372 (54")
PC490(LC)	2.25 (2.94)	1524 (60")
PC500LC	2.5 (3.27)	1910 (75")
PC500LC	3.1 (4.05)	1830 (72")
PC500LC	3.1 (4.05)	1440 (57")
PC500LC	3.5 (4.58)	1550 (61")
PC500LC	4.0 (5.23)	1720 (68")
PC700LC	2.8 (3.66)	1725 (68")
PC700LC	3.1 (4.05)	1850 (73")
PC600(LC)	3.5 (4.58)	1950 (76.8")
PC700LC	3.5 (4.58)	2110 (83.1")
PC700LC	4.0 (5.23)	2110 (83.1")
PC800	2.8 (3.66)	1725 (67.9")
PC800	3.1 (4.05)	1875 (73.8")
PC800	3.4 (4.45)	1870 (73.6")
PC800	4.0 (5.23)	2100 (82.8")
PC800	4.3 (5.62)	2250 (88.6")
PC800	4.5 (5.89)	2490 (98.0")
PC850	3.4 (4.45)	2315 (91.1")
PC850	4.0 (5.23)	2490 (98.0")
PC850	4.3 (5.62)	2250 (88.7")
PC850	4.5 (5.89)	2330 (91.9")
PC1250	4.0 (5.23)	1880 (74.0")
PC1250	5.0 (6.50)	2220 (87.4")
PC1250	5.2 (6.80)	2110 (83.1")
PC1250	6.7 (8.80)	2340 (92.1")
PC2000	12.0 (15.7)	2670 (105")
PC2000	13.7 (17.9)	2790 (110")

(*1) With side cutters or side shrouds

Model	Dump Body Width mm (ft.in)
HM300-5	2685 (8'10")
HM350-2	2935 (9'8")
HM400-5	3194 (10'6")
HD325-8	3380 (11'1")
HD405-8	3380 (11'1")
HD465-8	3870 (12'8")
HD605-8	3870 (12'8")
HD785-7	5150 (16'11")
HD1500-8	5800 (19'0")



FVBH0597

Wheel loader					Dump truck (Loading height)*1				
Model	Dash	Heaped bucket capacity m ³ (cu.yd)	Bucket type	*1 Dumping clearance: At the end of teeth mm (ft.in)	HM300-5 (2830 mm) (9'3")	HM350-2 (2975 mm) (9'9")	HM400-5 (3164 mm) (10'5")	HD325-7 (3220 mm) (10'7") HD325-8 (3260 mm) (10'8")	HD405-7 (3450 mm) (11'4")
					Payload in ton (U.S. ton)				
					28 (31)	32.3 (35.6)	40 (44)	36.5 (40)	40 (44)
					17.1 m ³ (22.4 yd ³)	19.8 m ³ (25.9 yd ³)	24.0 m ³ (31.4 yd ³)	24 m ³ (31.4 yd ³)	27.3 m ³ (35.7 yd ³)
WA500	6/6R 7	5.3 (6.9)	Stockpile bucket straight edge with teeth	3165 (10'5")	4	4	5		
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")	4	4	5	5	
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")	4	4			
WA500	8	5.5 (7.2)	Stockpile bucket straight edge with teeth	3145 (10'4")	3	4			
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")	4	4	5	5	
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")	4	4			
WA500 High lift	6/6R	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'10")	4	5	6	5	6
		7/8	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'4")	4	5	6	5
			4.5 (5.9)	Rock bucket spade nose with teeth and SE	3485 (11'5")	4	5	6	5
WA600 3850 boom	6/6R	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3730 (12'3")	3	3	4	3	4
WA600 3990 boom	6/6R	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3995 (13'1")	3	3	4	4	4
WA600 3850 boom	8	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3700 (12'2")	3	3	4	3	4
WA600 3990 boom	8	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3965 (13'0")	3	3	4	4	4
WA700	3	8.7 (11.4)	Excavating bucket spade nose with teeth	4040 (13'3")	2	3	3	3	3
WA700 High lift	3	8.0 (10.5)	Excavating bucket spade nose with teeth	4645 (15'3")	2	3	3	3	3
WA800	3E0	11.0 (14.4)	Excavating bucket spade nose with teeth	4630 (15'2")					
WA800 High lift	3E0	10.0 (13.1)	Rock bucket spade nose with teeth	5210 (17'1")					
WA900	3E0	13.0 (17.0)	Excavating bucket spade nose with teeth	4640 (15'3")					
WA900 High lift	3E0	11.5 (15.0)	Excavating bucket spade nose with teeth	5255 (17'3")					
WA1200	6	20.0 (26.2)	Rock bucket spade nose with teeth	6305 (20'8")					
WA1200 High lift	6	18.0 (23.5)	Rock bucket spade nose with teeth	7065 (23'2")					

Note:
 Bucket fill factor = 0.9
 Type of Material = Blasted rock

Wheel loader					Dump truck (Loading height)*1				
Model	Dash	Heaped bucket capacity m ³ (cu.yd)	Bucket type	*1 Dumping clearance: At the end of teeth mm (ft.in)	HD405-8 (3575 mm) (11'9")	HD465-7 (3600 mm) (11'10") HD465-8 (3600 mm) (11'10")	HD605-7 (3860 mm) (12'8") HD605-8 (3860 mm) (12'8")	HD785-7 (4285 mm) (14'1")	HD1500-7 (4965 mm) (16'3") HD1500-8 (5070 mm) (16'8")
					Payload in ton (U.S. ton)				
					40 (44)	55 (61)	63 (69)	91 (100)	142 (156.5)
					27.3 m ³ (35.7 yd ³)	34.2 m ³ (44.7 yd ³)	40 m ³ (52.3 yd ³)	60 m ³ (78.5 yd ³)	78 m ³ (102 yd ³)
WA500	6/6R 7	5.3 (6.9)	Stockpile bucket straight edge with teeth	3165 (10'5")					
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")					
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")					
WA500	8	5.5 (7.2)	Stockpile bucket straight edge with teeth	3145 (10'4")					
		5.2 (6.8)	Excavating bucket straight edge with teeth and SE	3265 (10'9")					
		5.0 (6.5)	Rock bucket spade nose with teeth and SE	3030 (9'11")					
WA500 High lift	6/6R	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'10")	6	8			
		7/8	4.5 (5.9)	Excavating bucket straight edge with teeth and SE	3760 (12'4")	6	8		
			4.5 (5.9)	Rock bucket spade nose with teeth and SE	3485 (11'5")				
WA600 3850 boom	6/6R	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3730 (12'3")	4	5			
WA600 3990 boom	6/6R	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3995 (13'1")	4	6	6		
WA600 3850 boom	8	7.0 (9.2)	Excavating bucket spade nose with teeth and SE	3700 (12'2")	4	5			
WA600 3990 boom	8	6.4 (8.4)	Excavating bucket spade nose with teeth and SE	3965 (13'0")	4	6	6		
WA700	3	8.7 (11.4)	Excavating bucket spade nose with teeth	4040 (13'3")	3	4	5		
WA700 High lift	3	8.0 (10.5)	Excavating bucket spade nose with teeth	4645 (15'3")	3	4	5	7	
WA800	3E0	11.0 (14.4)	Excavating bucket spade nose with teeth	4630 (15'2")		3	4	5	
WA800 High lift	3E0	10.0 (13.1)	Rock bucket spade nose with teeth	5210 (17'1")		4	4	6	9
WA900	3E0	13.0 (17.0)	Excavating bucket spade nose with teeth	4640 (15'3")		3	3	5	
WA900 High lift	3E0	11.5 (15.0)	Excavating bucket spade nose with teeth	5255 (17'3")		3	4	5	8
WA1200	6	20.0 (26.2)	Rock bucket spade nose with teeth	6305 (20'8")					5
WA1200 High lift	6	18.0 (23.5)	Rock bucket spade nose with teeth	7065 (23'2")					5

Note:
 Bucket fill factor = 0.9
 Type of Material = Blasted rock

Dumping clearance and dumping reach

WA500-6/6R (Stockpile bucket with teeth) 5.3 m ³ (6.9 yd ³)		Dimension	HM300-5	HM350-2	HM400-5
Dumping clearance (DC)	3165 (10'5")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")
Dumping reach (DR)	1600 (5'3")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")
Bucket width	3460 (11'4")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")

WA500-6/6R, WA500-7/8 (Excavating bucket with teeth and SE) 5.2 m ³ (6.8 yd ³)		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8
Dumping clearance (DC)	3265 (10'9")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")
Dumping reach (DR)	1495 (4'11")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")
Bucket width	3460 (11'4")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")

WA500-6/6R, WA500-7/8 (Rock bucket, spade nose with teeth and SE) 5.0 m ³ (6.5 yd ³)		Dimension	HM300-5	HM350-2
Dumping clearance (DC)	3030 (9'11")	Body height (H)	2830 (9'3")	2975 (9'9")
Dumping reach (DR)	1725 (5'8")	Body width (W)	2685 (8'10")	2935 (9'8")
Bucket width	3400 (11'2")	Body length (L)	5250 (17'3")	5495 (18'0")

WA500-8 (Stockpile bucket with teeth) 5.5 m ³ (7.2 yd ³)		Dimension	HM300-5	HM350-2
Dumping clearance (DC)	3145 (10'4")	Body height (H)	2830 (9'3")	2975 (9'9")
Dumping reach (DR)	1625 (5'4")	Body width (W)	2685 (8'10")	2935 (9'8")
Bucket width	3460 (11'4")	Body length (L)	5250 (17'3")	5495 (18'0")

WA500-6/6R, WA500-7/8 (Excavating bucket with teeth and SE) 4.5 m ³ (5.9 yd ³) High lift boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	3760 (12'4")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	1530 (5'0")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	3400 (11'2")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")
			HD405-8	HD465-7E0 HD465-7R HD465-8				
			3575 (11'9")	3600 (11'10")				
			3380 (11'1")	3870 (12'8")				
			5640 (18'6")	6450 (21'2")				

WA500-7/8 (Rock bucket with spade nose teeth and SE) 4.5 m ³ (5.9 yd ³) High lift boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	3485 (11'5")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	1790 (5'10")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	3400 (11'2")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")

WA600-6/6R (Excavating bucket, spade nose with teeth and SE) 7.0 m ³ (9.2 yd ³) 3850 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	3730 (12'3")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	1885 (6'2")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	3685 (12'1")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")
			HD405-8	HD465-7E0 HD465-7R HD465-8				
			3575 (11'9")	3600 (11'10")				
			3380 (11'1")	3870 (12'8")				
			5640 (18'6")	6450 (21'2")				

WA600-6/6R (Excavating bucket, spade nose with teeth and SE) 6.4 m ³ (8.4 yd ³) 3990 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	3995 (13'1")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	1800 (5'11")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	3685 (12'1")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")
			HD405-8	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8		
			3575 (11'9")	3600 (11'10")	3860 (12'8")	3860 (12'8")		
			3380 (11'1")	3870 (12'8")	3870 (12'8")	3870 (12'8")		
			5640 (18'6")	6450 (21'2")	6600 (21'8")	6450 (21'2")		

WA600-8 (Excavating bucket, spade nose with teeth) 7.0 m ³ (9.2 yd ³) 3850 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	3700 (12'2")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	1915 (6'3")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	3805 (12'6")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")
			HD405-8	HD465-7E0 HD465-7R HD465-8				
			3575 (11'9")	3600 (11'10")				
			3380 (11'1")	3870 (12'8")				
			5640 (18'6")	6450 (21'2")				

WA600-8 (Excavating bucket, spade nose with teeth) 6.4 m ³ (8.4 yd ³) 3990 mm boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	3965 (13'0")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	1835 (6'0")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	3805 (12'6")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")
			HD405-8	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8		
			3575 (11'9")	3600 (11'10")	3860 (12'8")	3860 (12'8")		
			3380 (11'1")	3870 (12'8")	3870 (12'8")	3870 (12'8")		
			5640 (18'6")	6450 (21'2")	6600 (21'8")	6450 (21'2")		

WA700-3 (Excavating bucket, spade nose with teeth) 8.7 m ³ (11.4 yd ³)		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	4040 (13'3")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	2135 (7'0")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	4330 (14'2")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")
			HD405-8	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8		
			3575 (11'9")	3600 (11'10")	3860 (12'8")	3860 (12'8")		
			3380 (11'1")	3870 (12'8")	3870 (12'8")	3870 (12'8")		
			5640 (18'6")	6450 (21'2")	6600 (21'8")	6450 (21'2")		

WA700-3 (Excavating bucket, spade nose with teeth) 8.0 m ³ (10.5 yd ³) High lift boom		Dimension	HM300-5	HM350-2	HM400-5	HD325-7 HD325-7R	HD325-8	HD405-7 HD405-7R
Dumping clearance (DC)	4645 (15'3")	Body height (H)	2830 (9'3")	2975 (9'9")	3164 (10'5")	3220 (10'2")	3260 (10'8")	3450 (11'4")
Dumping reach (DR)	2120 (6'11")	Body width (W)	2685 (8'10")	2935 (9'8")	3194 (10'6")	3380 (11'1")	3380 (11'1")	3380 (11'1")
Bucket width	4330 (14'2")	Body length (L)	5250 (17'3")	5495 (18'0")	5667 (18'7")	5500 (18'1")	5515 (18'1")	5590 (18'4")
			HD405-8	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7	
			3575 (11'9")	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")	
			3380 (11'1")	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")	
			5640 (18'6")	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")	

WA800-3/3E0 (Excavating bucket, spade nose with teeth) 11.0 m ³ (14.4 yd ³)		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7
Dumping clearance (DC)	4630 (15'2")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")
Dumping reach (DR)	2285 (7'10")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")

WA800-3/3E0 (Excavating bucket, spade nose with teeth) 10.0 m ³ (13.1 yd ³) High lift boom		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7	HD1500-7	HD1500-8
Dumping clearance (DC)	5210 (17'1")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")	4965 (16'3")	5070 (16'8")
Dumping reach (DR)	2315 (7'7")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")	5705 (18'9")	5800 (19'0")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")	7625 (25'0")	8150 (26'9")

WA900-3/3E0 (Excavating bucket, spade nose with teeth) 13.0 m ³ (17.0 yd ³)		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7
Dumping clearance (DC)	4640 (15'3")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")
Dumping reach (DR)	2235 (7'4")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")

WA900-3/3E0 (Excavating bucket, spade nose with teeth) 11.5 m ³ (15.0 yd ³) High lift boom		Dimension	HD465-7E0 HD465-7R HD465-8	HD605-7E0 HD605-7R	HD605-8	HD785-7	HD1500-7	HD1500-8
Dumping clearance (DC)	5255 (17'3")	Body height (H)	3600 (11'10")	3860 (12'8")	3860 (12'8")	4285 (14'1")	4965 (16'3")	5070 (16'8")
Dumping reach (DR)	2450 (8'0")	Body width (W)	3870 (12'8")	3870 (12'8")	3870 (12'8")	5200 (17'1")	5705 (18'9")	5800 (19'0")
Bucket width	4810 (15'9")	Body length (L)	6450 (21'2")	6600 (21'8")	6450 (21'2")	7065 (23'2")	7625 (25'0")	8150 (26'9")

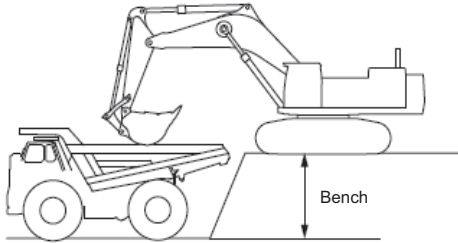
WA1200-6 (Rock bucket, spade nose with teeth) 20.0 m ³ (26.2 yd ³)		Dimension	HD1500-7	HD1500-8	730E-8
Dumping clearance (DC)	6305 (20'8")	Body height (H)	4965 (16'3")	5070 (16'8")	6030 (19'8")
Dumping reach (DR)	2890 (9'6")	Body width (W)	5705 (18'9")	5800 (19'0")	6870 (22'7")
Bucket width	6400 (21'0")	Body length (L)	7625 (25'0")	8150 (26'9")	8380 (27'6")

WA1200-6 (Rock bucket, spade nose with teeth) 18.0 m ³ (23.5 yd ³) High lift boom		Dimension	HD1500-7	HD1500-8
Dumping clearance (DC)	7065 (23'2")	Body height (H)	4965 (16'3")	5070 (16'8")
Dumping reach (DR)	2930 (9'7")	Body width (W)	5705 (18'9")	5800 (19'0")
Bucket width	6400 (21'0")	Body length (L)	7625 (25'0")	8150 (26'9")

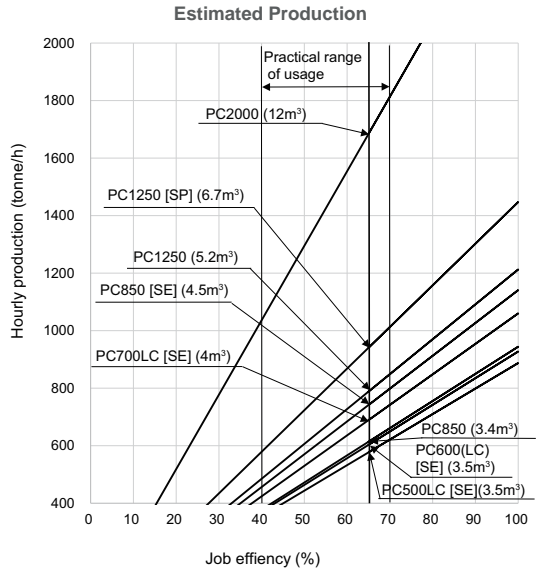
Production (Hydraulic Excavators)

1. Calculation conditions

- (1) Material
 - Type of material = Blasted rock
 - Loose density (ρ) = 1.8
- (2) Loading condition
 - Bucket fill factor (K) = 0.9
 - Job efficiency (E) = 65% (*1)
 - Loading method = Bench loading with backhoe type excavator
 - Swing angle = 90°

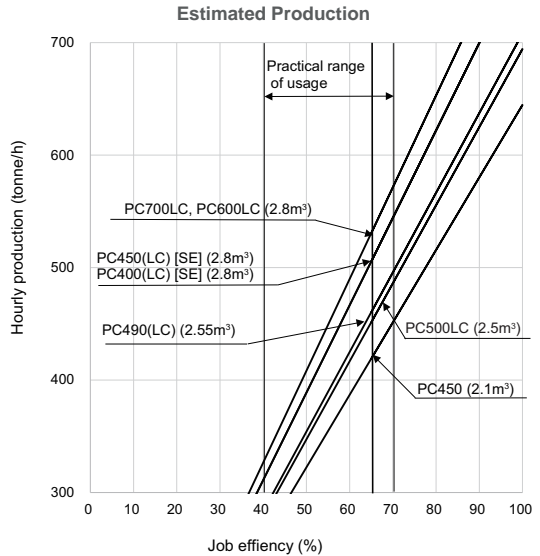


FVBH0248



Bucket size (q1) and Cycle time (Cm)

Model	Bucket size m ³ (cu.yd)	Cycle time (s)
PC2000	12 (15.7)	27
PC1250 [SP]	6.7 (8.8)	27
PC1250	5.2 (6.8)	25
PC850 [SE]	4.5 (5.9)	23
PC700LC [SE]	4 (5.2)	22
PC850	3.4 (4.4)	21
PC600(LC) [SE]	3.5 (4.6)	22
PC500LC [SE]	3.5 (4.6)	23
PC700LC, PC600LC	2.8 (3.7)	20
PC450(LC) [SE]	2.8 (3.7)	21
PC400(LC) [SE]	2.8 (3.7)	21
PC500LC	2.5 (3.27)	21
PC490(LC)	2.55 (3.3)	21
PC450	2.1 (2.7)	19



(3) Formula for Calculating Hourly Production (Q)

$$Q = q_1 \times K \times \rho \times \frac{3600}{Cm} \times E$$

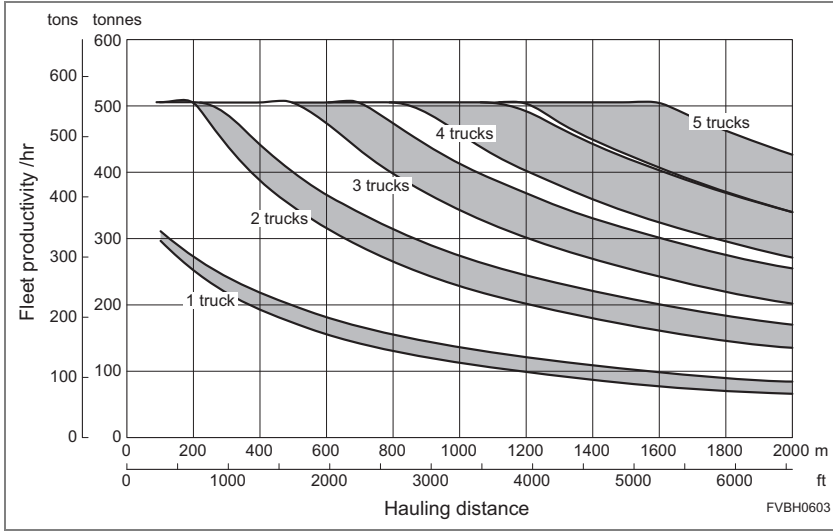
Q = Hourly production (in tonne/h)

(*1)

65% job efficiency is considered as a good operation if loading blasted rock considering that additional tasks such as piling-up rocks, handling big boulders, etc. also need to be performed during operation.

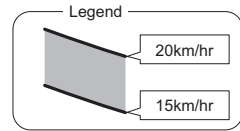
Production (Loading tool & Dump truck)

PC400(LC) / HM300 or PC450(LC) / HM300



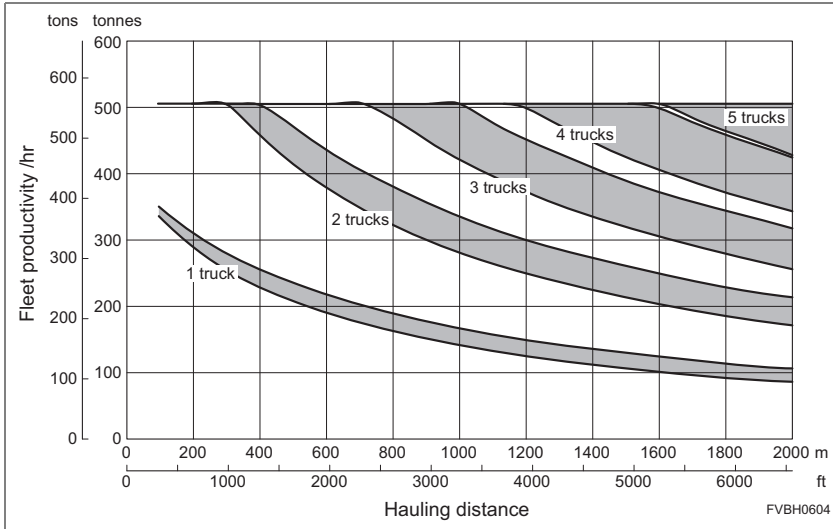
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC400(LC) or PC450(LC)
Bucket size = 2.8 m³
Bucket fill factor = 0.9
Cycle time = 21 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



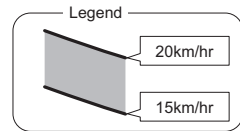
FVBH0603

PC400(LC) / HD325 or PC450(LC) / HD325



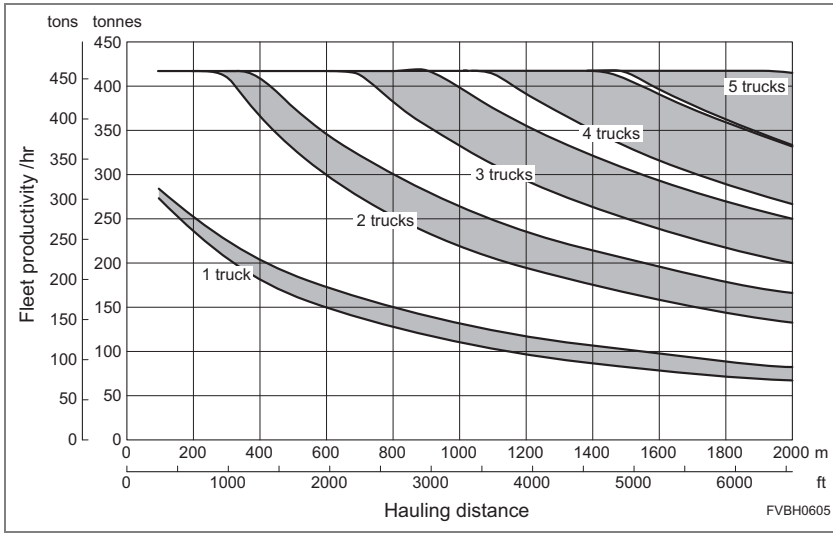
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC400(LC) or PC450(LC)
Bucket size = 2.8 m³
Bucket fill factor = 0.9
Cycle time = 21 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



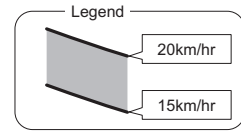
FVBH0604

PC450 / HM300



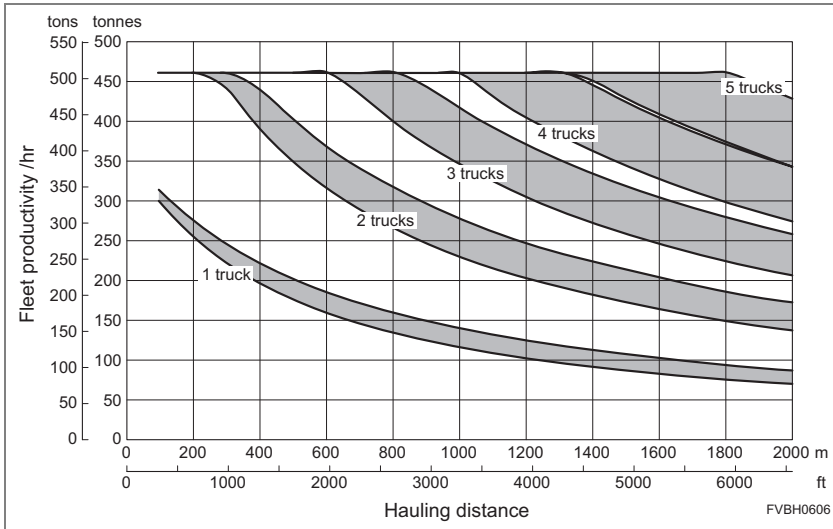
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC450
Bucket size = 2.1 m³
Bucket fill factor = 0.9
Cycle time = 19 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



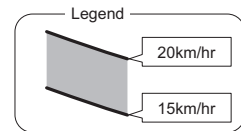
FVBH0605

PC490(LC) / HM300



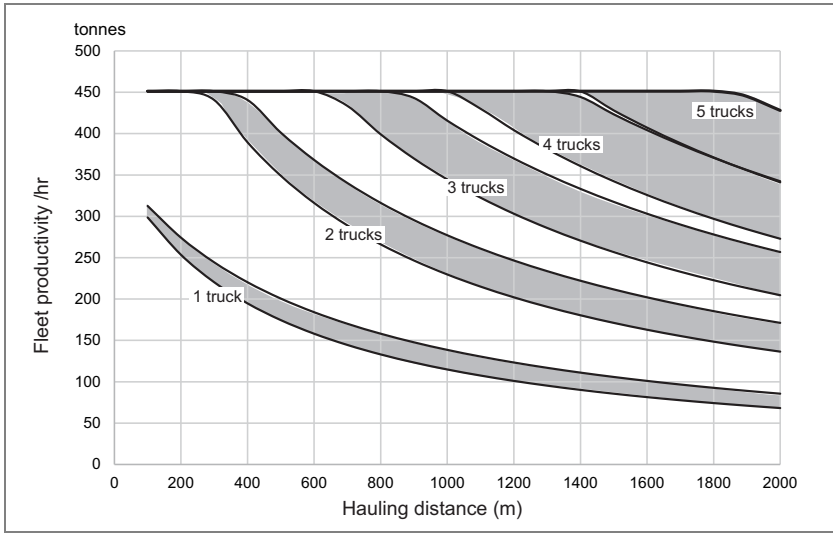
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC490 (LC)
Bucket size = 2.55 m³
Bucket fill factor = 0.9
Cycle time = 21 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



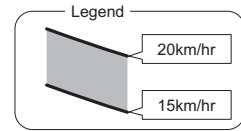
FVBH0606

PC500LC / HM300



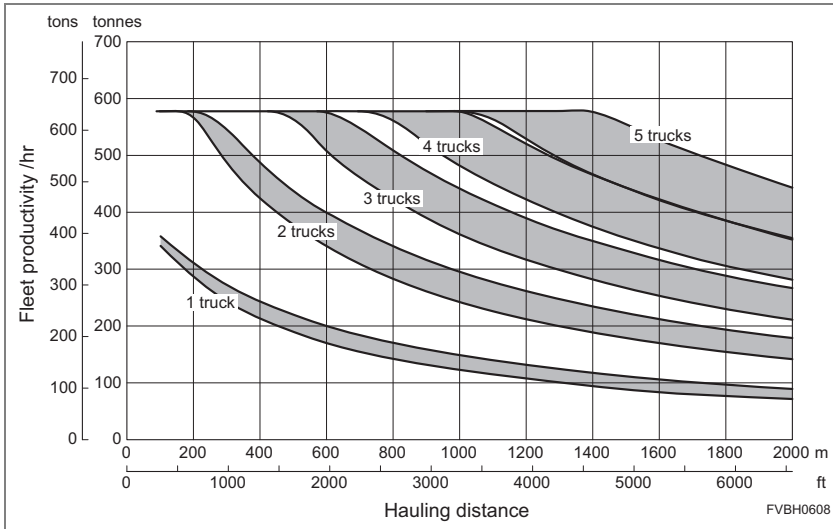
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC500LC
Bucket size = 2.5 m³
Bucket fill factor = 0.9
Cycle time = 21 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed

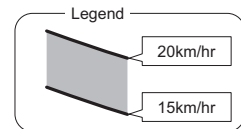


FVBH0608

PC500LC [SE] / HM300

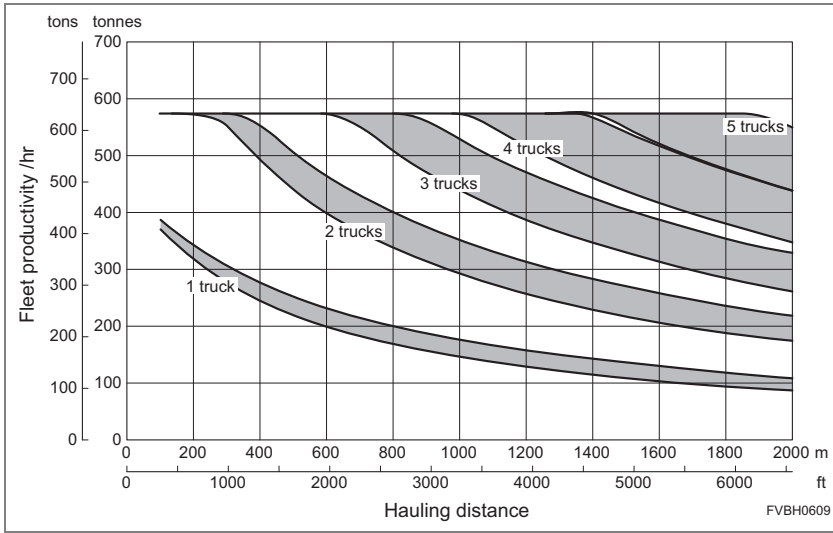


- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC500LC [SE]
Bucket size = 3.5 m³
Bucket fill factor = 0.9
Cycle time = 23 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



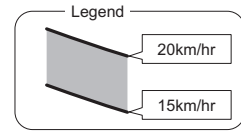
FVBH0608

PC500LC [SE] / HD325



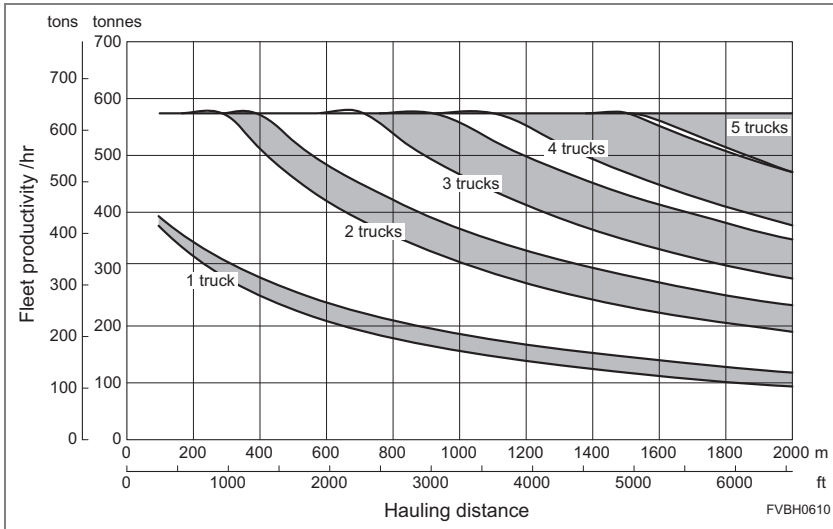
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC500LC [SE]
Bucket size = 3.5 m³
Bucket fill factor = 0.9
Cycle time = 23 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



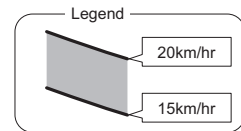
FVBH0609

PC500LC [SE] / HM400 or PC500LC [SE] / HD405



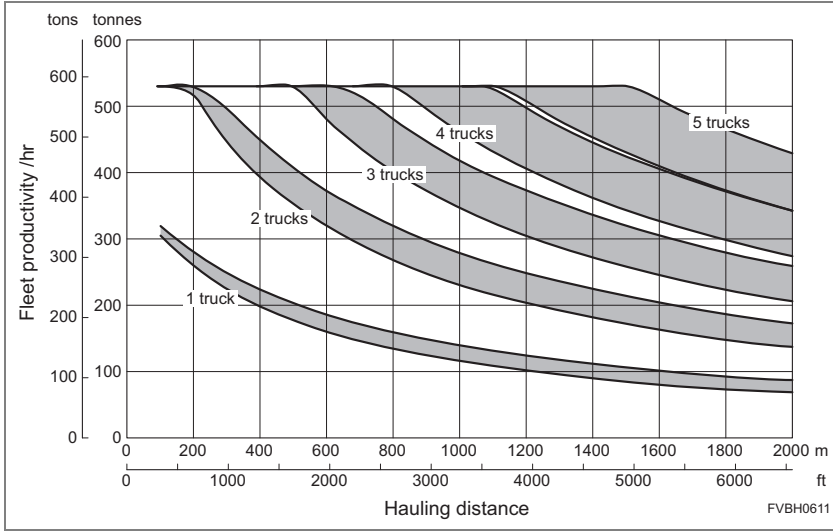
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC500LC [SE]
Bucket size = 3.5 m³
Bucket fill factor = 0.9
Cycle time = 23 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



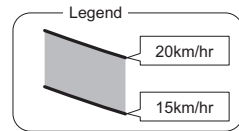
FVBH0610

PC600LC / HM300 or PC700LC / HM300



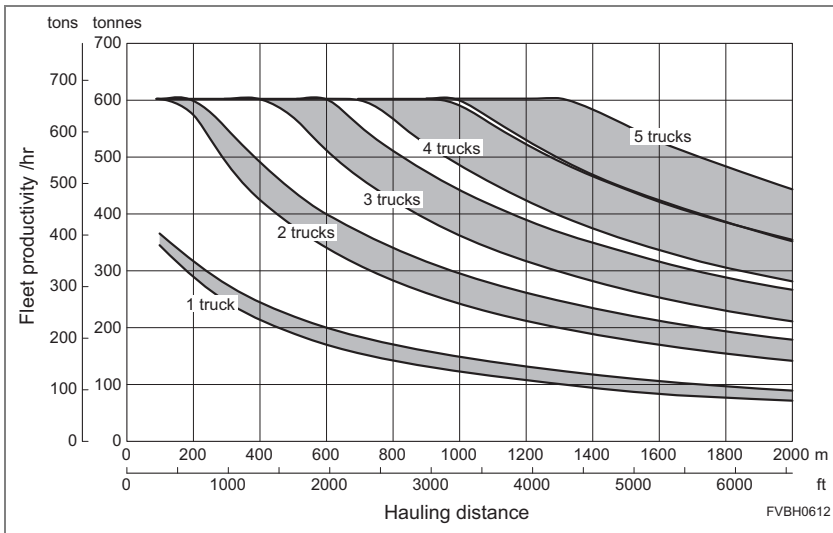
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC600LC or PC700LC
Bucket size = 2.8 m³
Bucket fill factor = 0.9
Cycle time = 20 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



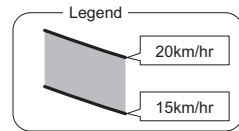
FVBH0611

PC600(LC) [SE] / HM300



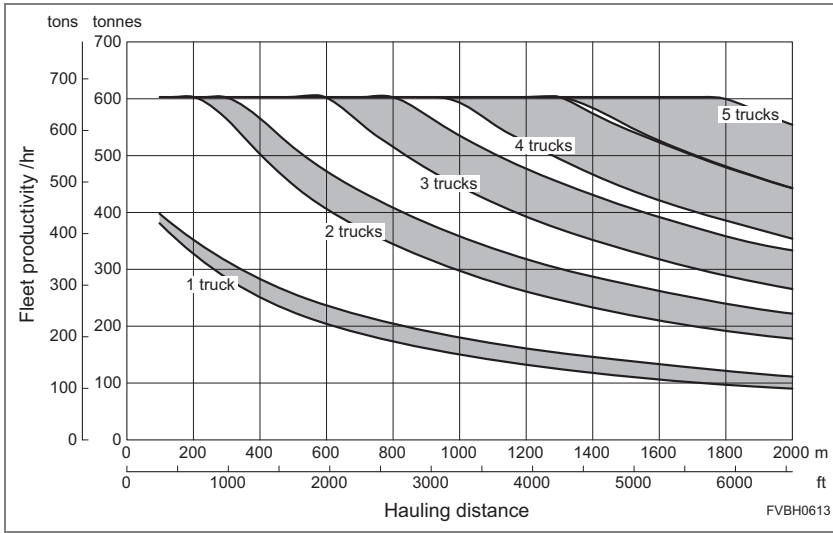
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC600(LC) [SE]
Bucket size = 3.5 m³
Bucket fill factor = 0.9
Cycle time = 22 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



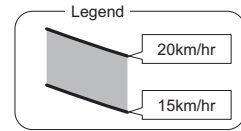
FVBH0612

PC600(LC) [SE] / HD325



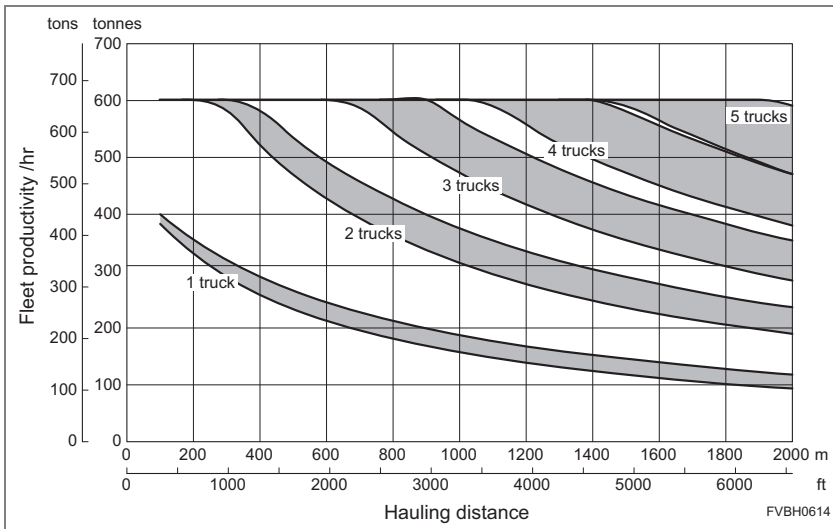
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC600(LC) [SE]
Bucket size = 3.5 m³
Bucket fill factor = 0.9
Cycle time = 22 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



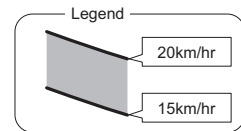
FVBH0613

PC600(LC) [SE] / HM400 or PC600(LC) [SE] / HD405



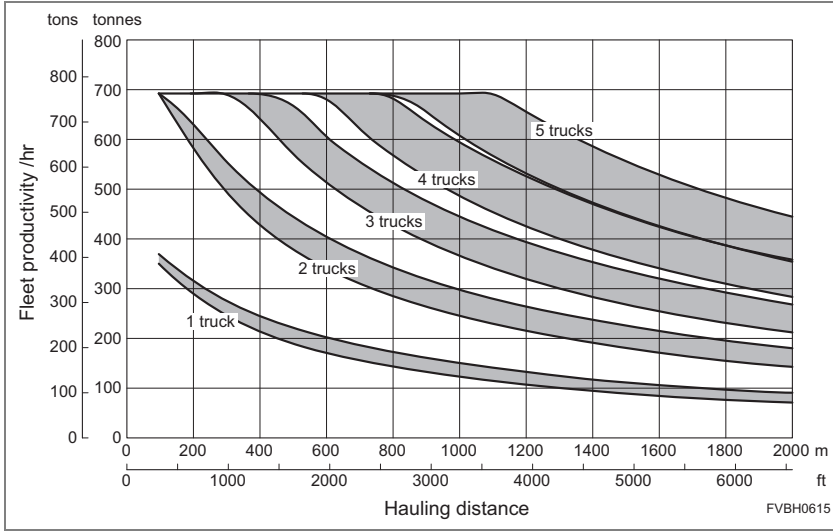
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC600(LC) [SE]
Bucket size = 3.5 m³
Bucket fill factor = 0.9
Cycle time = 22 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



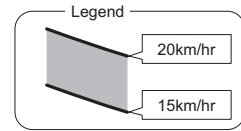
FVBH0614

PC700LC [SE] / HM300



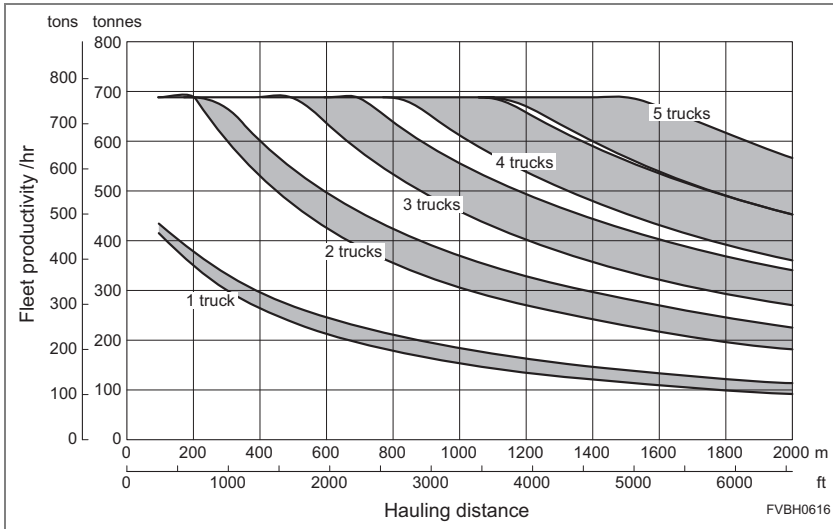
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC700LC [SE]
Bucket size = 4.0 m³
Bucket fill factor = 0.9
Cycle time = 22 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



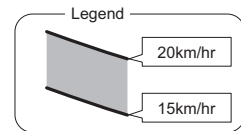
FVBH0615

PC700LC [SE] / HD325



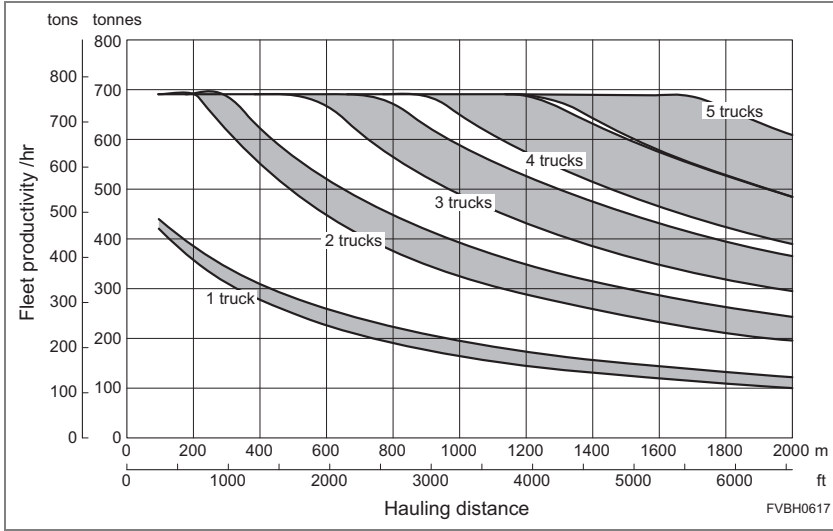
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC700LC [SE]
Bucket size = 4.0 m³
Bucket fill factor = 0.9
Cycle time = 22 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



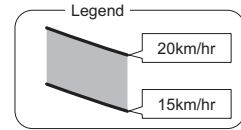
FVBH0616

PC700LC [SE] / HM400 or PC700LC [SE] / HD405



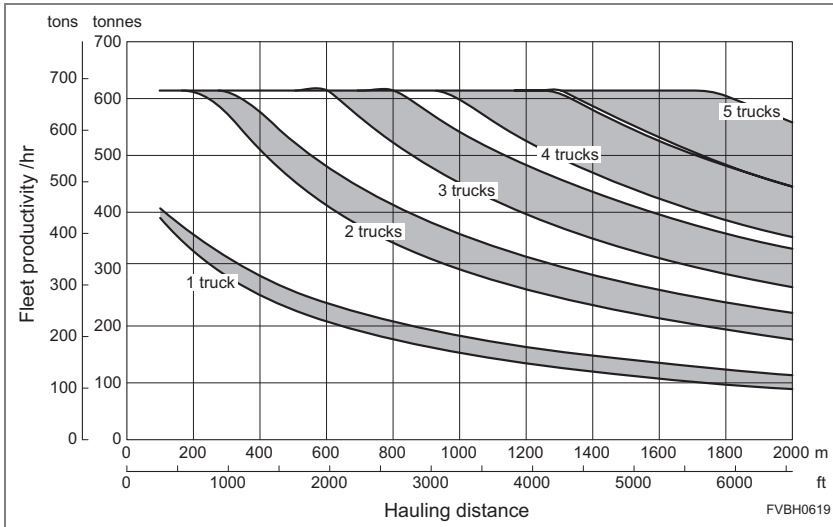
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC700LC [SE]
Bucket size = 4.0 m³
Bucket fill factor = 0.9
Cycle time = 22 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



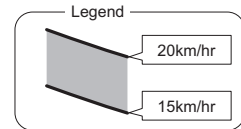
FVBH0617

PC850 / HD325



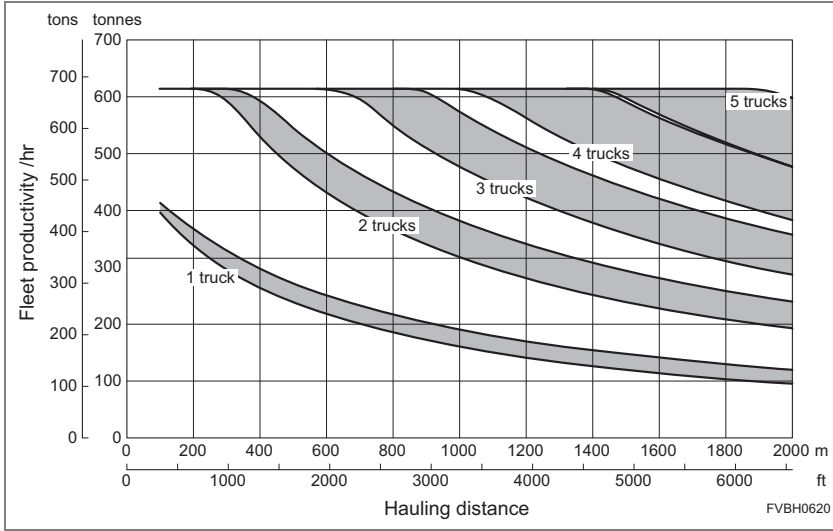
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC850
Bucket size = 3.4 m³
Bucket fill factor = 0.9
Cycle time = 21 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



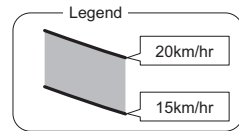
FVBH0619

PC850 / HM400 or PC850 / HD405



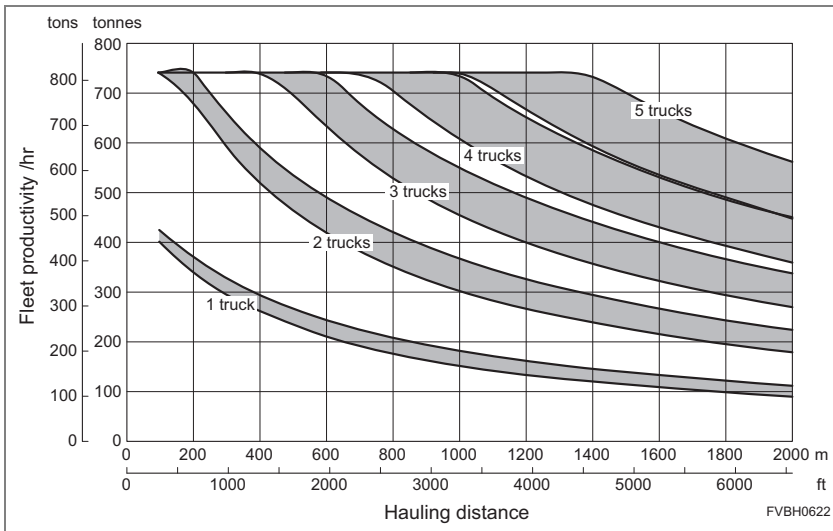
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC850
Bucket size = 3.4 m³
Bucket fill factor = 0.9
Cycle time = 21 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



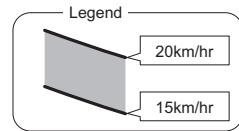
FVBH0620

PC850 [SE] / HD325



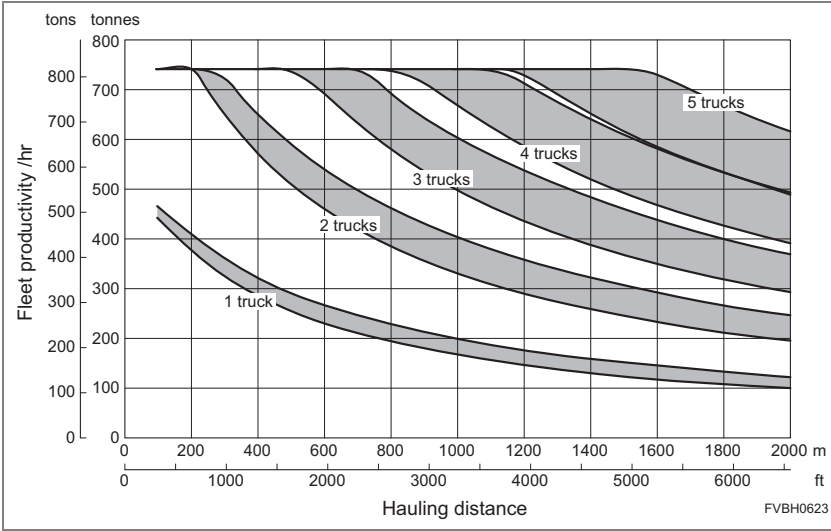
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC850 [SE]
Bucket size = 4.5 m³
Bucket fill factor = 0.9
Cycle time = 23 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



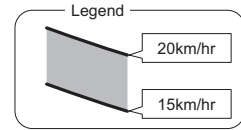
FVBH0622

PC850 [SE] / HM400 or PC850 [SE] / HD405



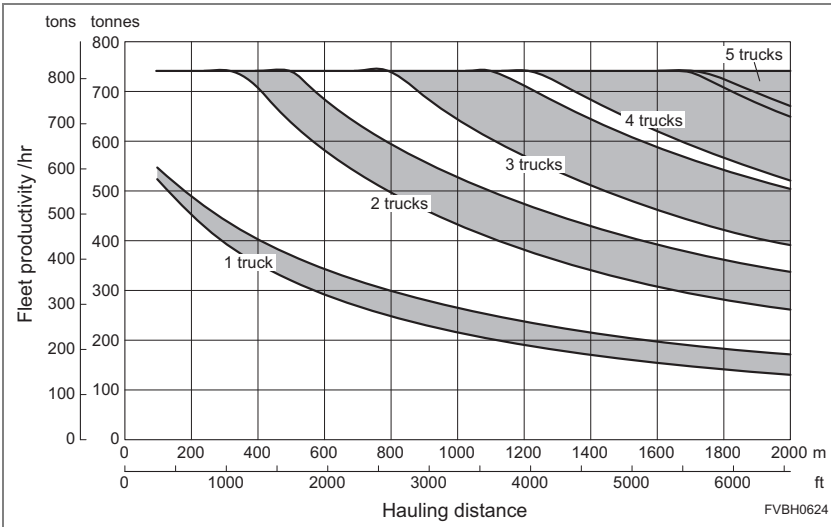
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC850 [SE]
Bucket size = 4.5 m³
Bucket fill factor = 0.9
Cycle time = 23 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



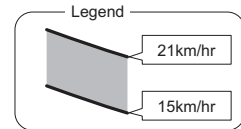
FVBH0623

PC850 [SE] / HD465



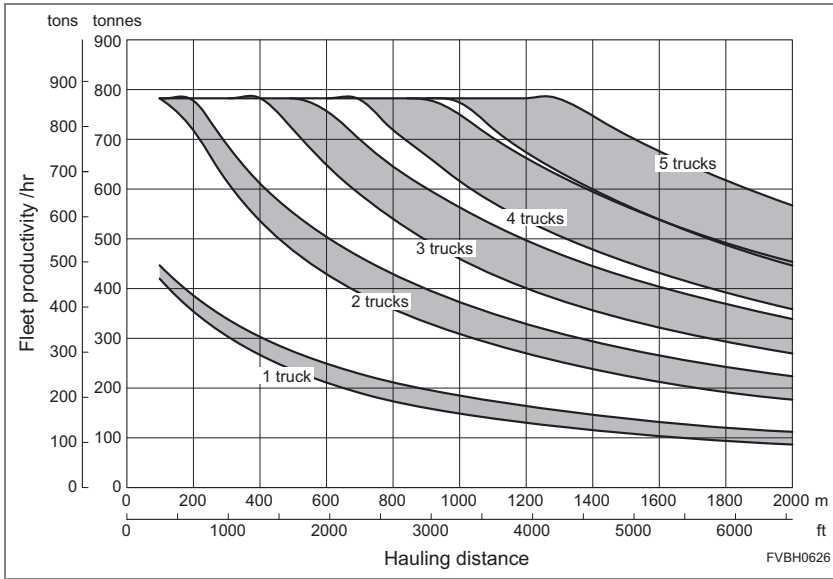
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC850 [SE]
Bucket size = 4.5 m³
Bucket fill factor = 0.9
Cycle time = 23 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD465
Pay load = 55 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



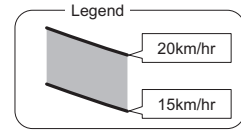
FVBH0624

PC1250 / HD325



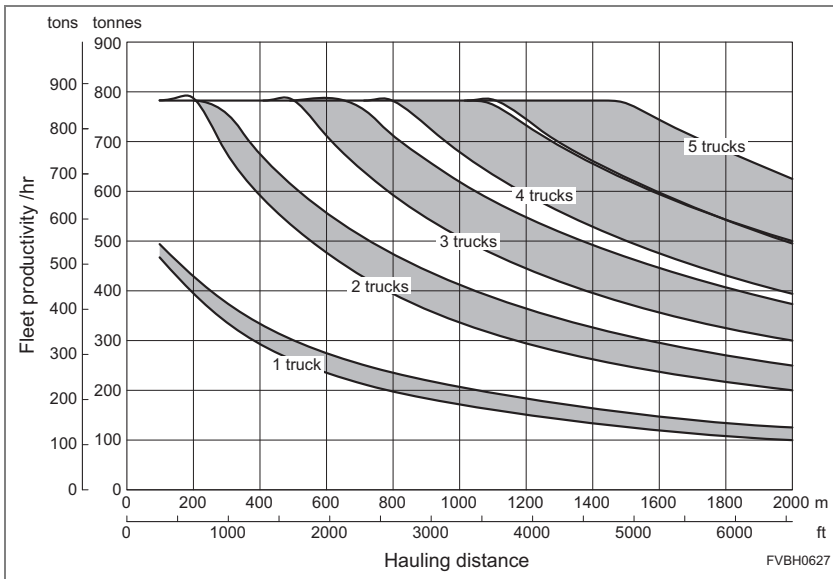
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250
Bucket size = 5.2 m³
Bucket fill factor = 0.9
Cycle time = 25 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



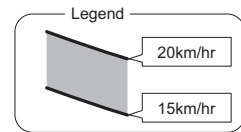
FVBH0626

PC1250 / HM400 or PC1250 / HD405



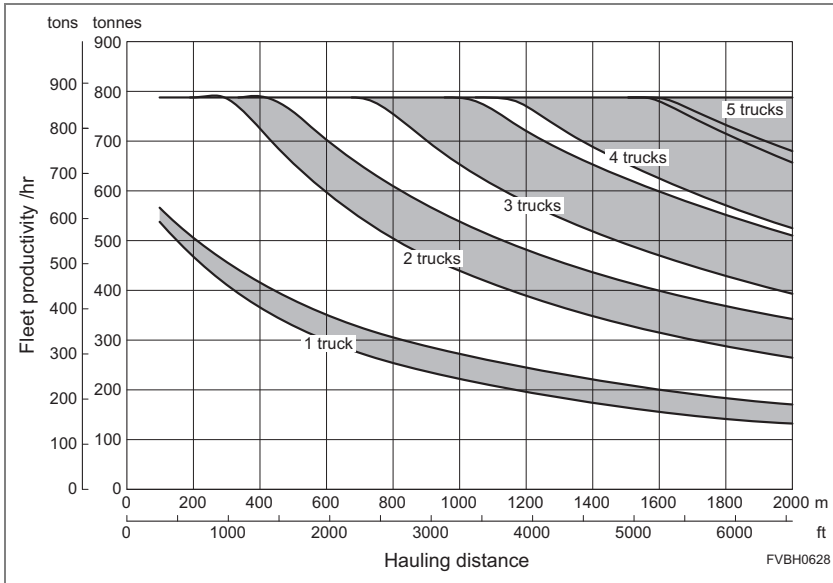
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250
Bucket size = 5.2 m³
Bucket fill factor = 0.9
Cycle time = 25 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



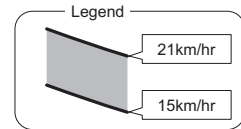
FVBH0627

PC1250 / HM400 or PC1250 / HD465



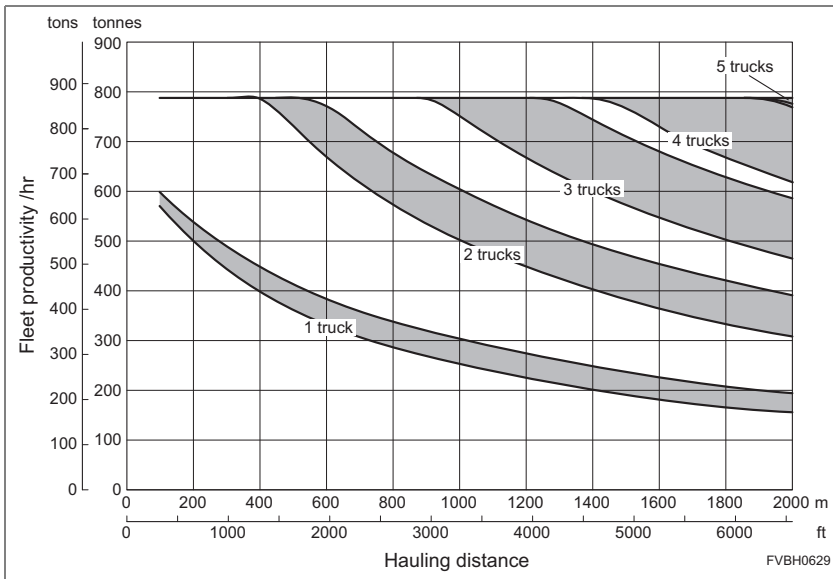
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250
Bucket size = 5.2 m³
Bucket fill factor = 0.9
Cycle time = 25 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD465
Pay load = 55 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



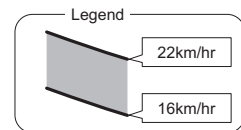
FVBH0628

PC1250 / HD605



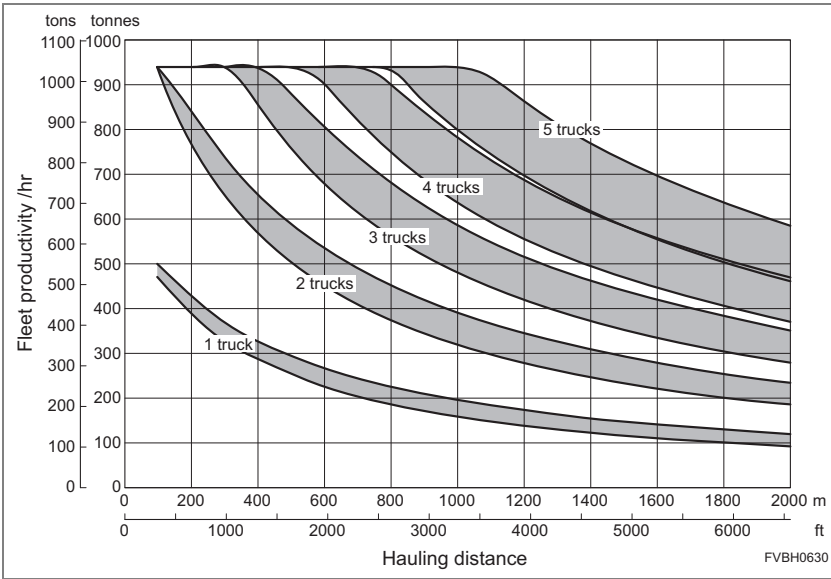
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250
Bucket size = 5.2 m³
Bucket fill factor = 0.9
Cycle time = 25 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD605
Pay load = 63 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



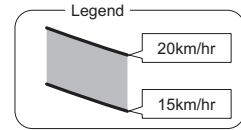
FVBH0629

PC1250 [SP] / HD325



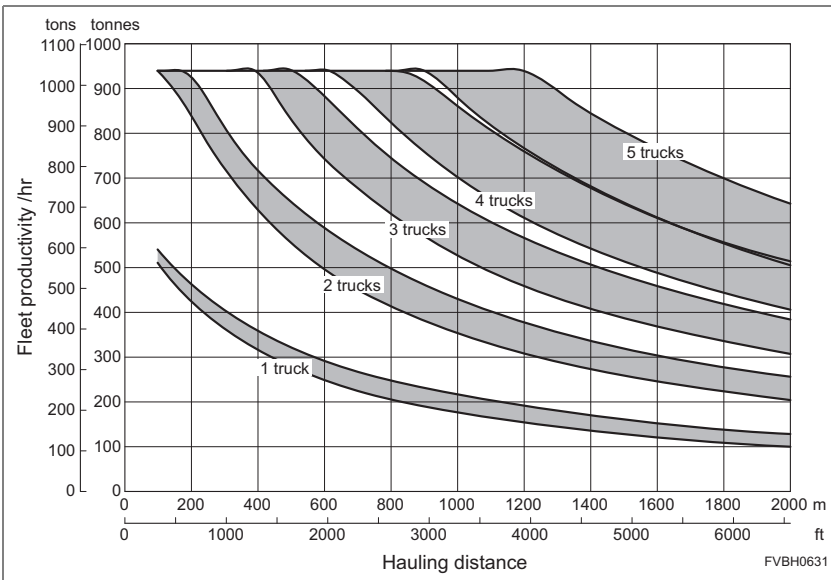
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250 [SP]
Bucket size = 6.7 m³
Bucket fill factor = 0.9
Cycle time = 27 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



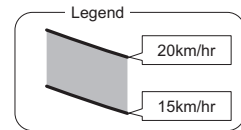
FVBH0630

PC1250 [SP] / HM400 or PC1250 [SP] / HD405



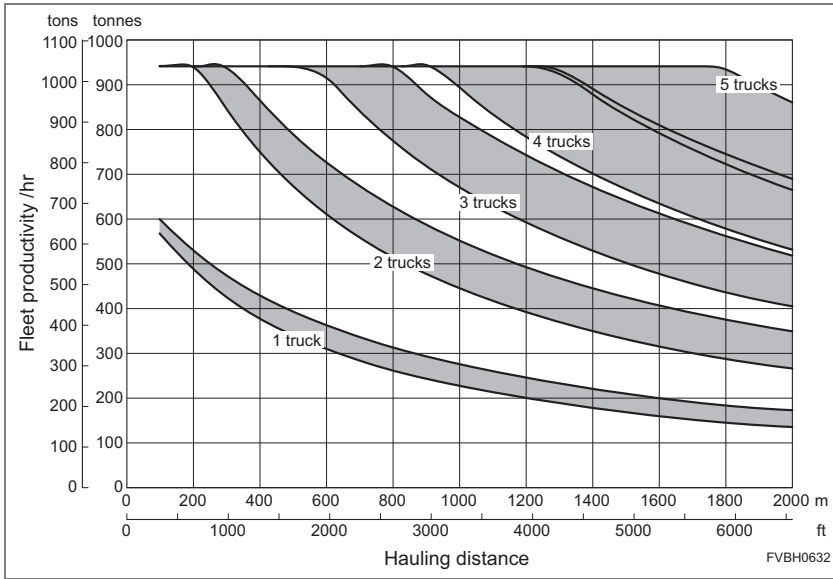
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250 [SP]
Bucket size = 6.7 m³
Bucket fill factor = 0.9
Cycle time = 27 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



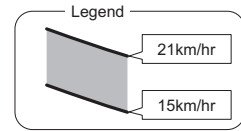
FVBH0631

PC1250 [SP] / HD465



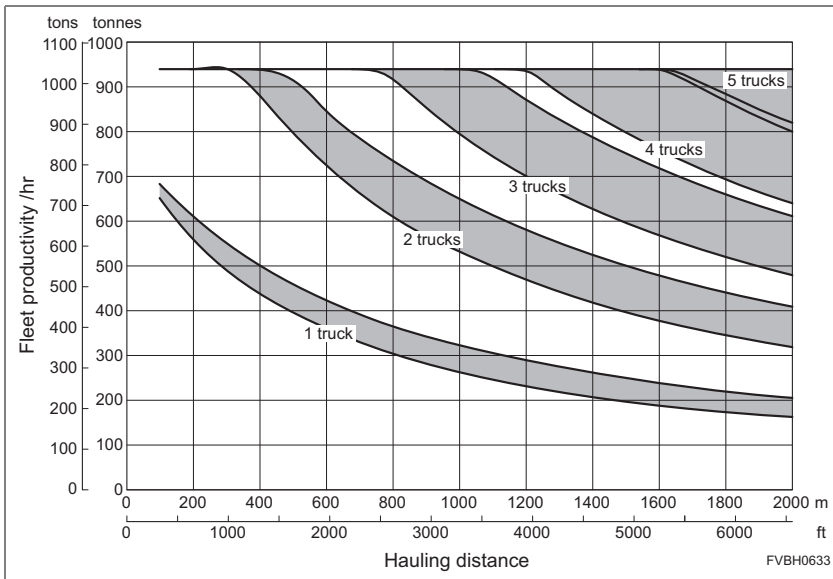
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250 [SP]
Bucket size = 6.7 m³
Bucket fill factor = 0.9
Cycle time = 27 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD465
Pay load = 55 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



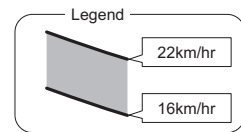
FVBH0632

PC1250 [SP] / HD605



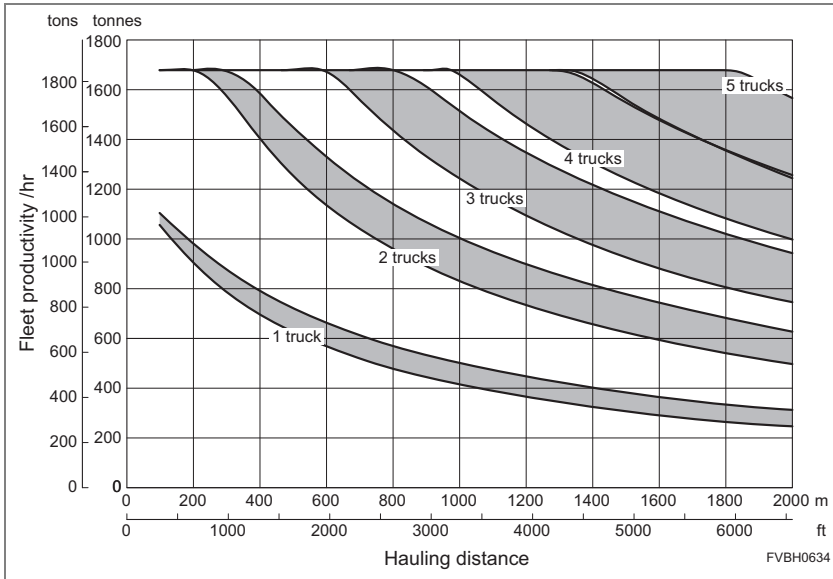
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC1250 [SP]
Bucket size = 6.7 m³
Bucket fill factor = 0.9
Cycle time = 27 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD605
Pay load = 63 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



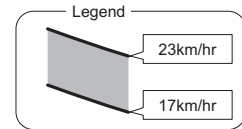
FVBH0633

PC2000 / HD785



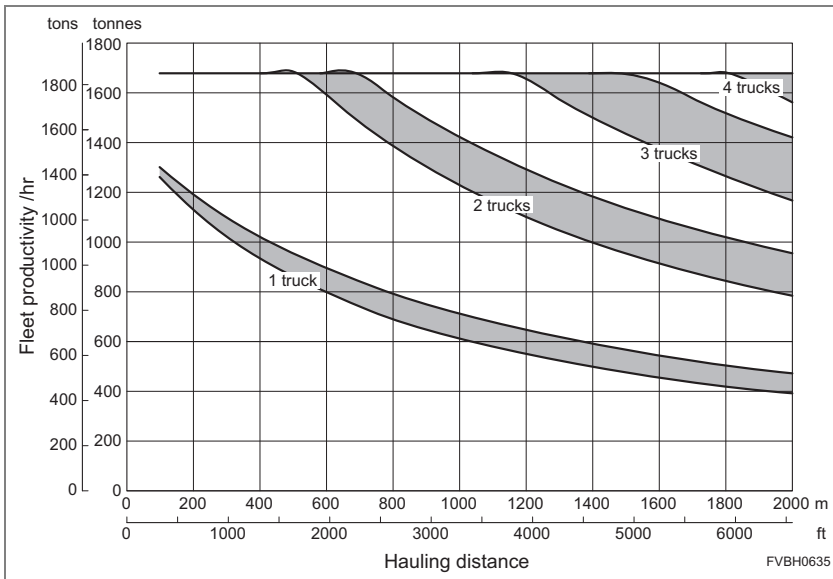
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC2000
Bucket size = 12.0 m³
Bucket fill factor = 0.9
Cycle time = 27 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD785
Pay load = 91 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



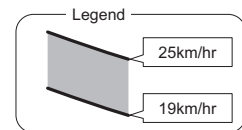
FVBH0634

PC2000 / HD1500



Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = PC2000
Bucket size = 12.0 m³
Bucket fill factor = 0.9
Cycle time = 27 sec
Job efficiency = 65 %
- 3) Hauling conditions
Hauling tool = HD1500
Pay load = 142 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



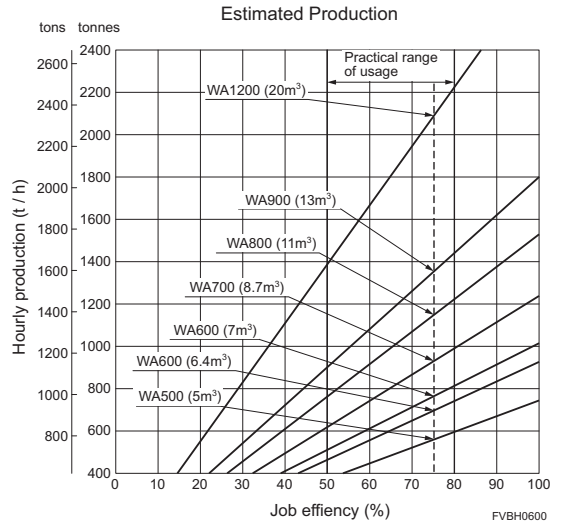
FVBH0634

Production (Wheel Loaders)

1. Calculation conditions

- (1) Material
 - Type of material = Blasted rock
 - Loose density (ρ) = 1.8
- (2) Loading condition
 - Bucket fill factor (K) = 0.9
 - Job efficiency (E) = 75%
 - Loading method = V-shape loading
 - Bucket size (q_1) and Cycle time (C_m)

Model	Bucket size m ³ (cu.yd)	Cycle time (s)
WA1200	20 (26.2)	42
WA900	13 (17.0)	42
WA800	11 (14.4)	42
WA700	8.7 (11.4)	41
WA600	7 (9.2)	40
WA600	6.4 (8.4)	40
WA500	5 (6.5)	39



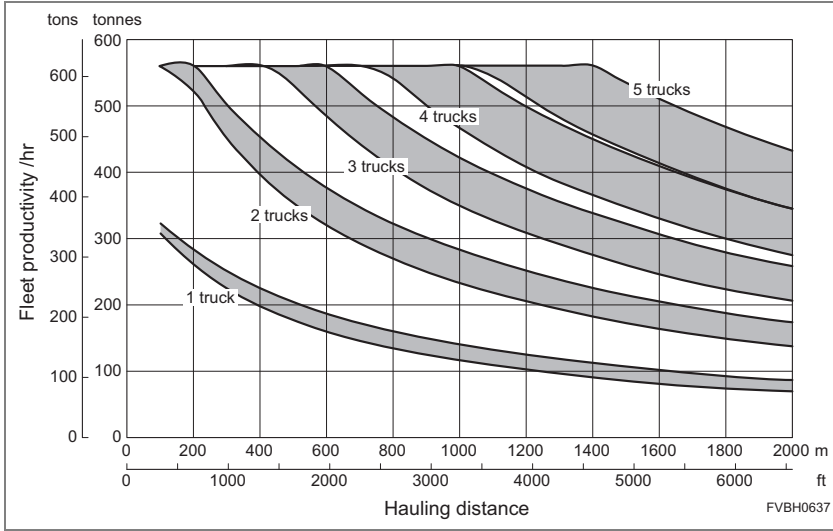
- (3) Formula for Calculating Hourly Production (Q)

$$Q = q_1 \times K \times \rho \times \frac{3600}{C_m} \times E$$

Q = Hourly production (in tonne/h)

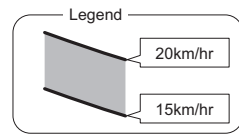
Production (Loading tool & Dump truck)

WA500 / HM300



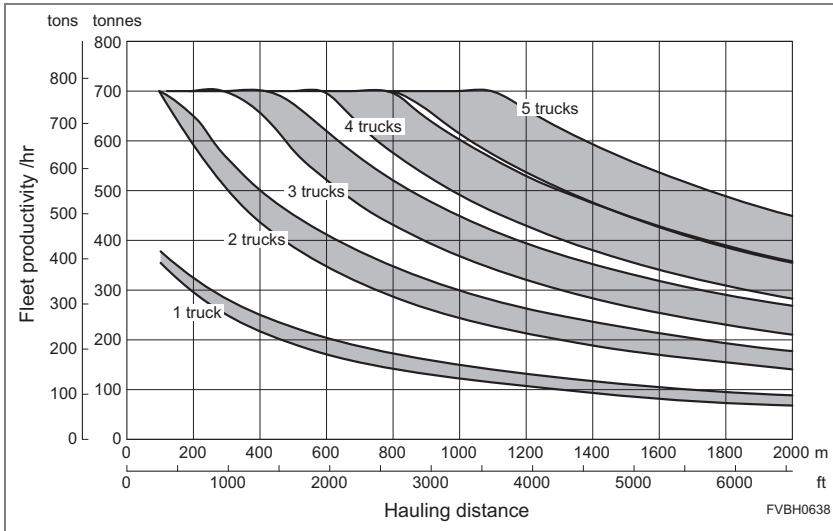
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA500
Bucket size = 5.0 m³
Bucket fill factor = 0.9
Cycle time = 39 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



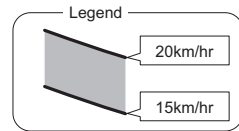
FVBH0637

WA600 (6.4 m³) / HM300



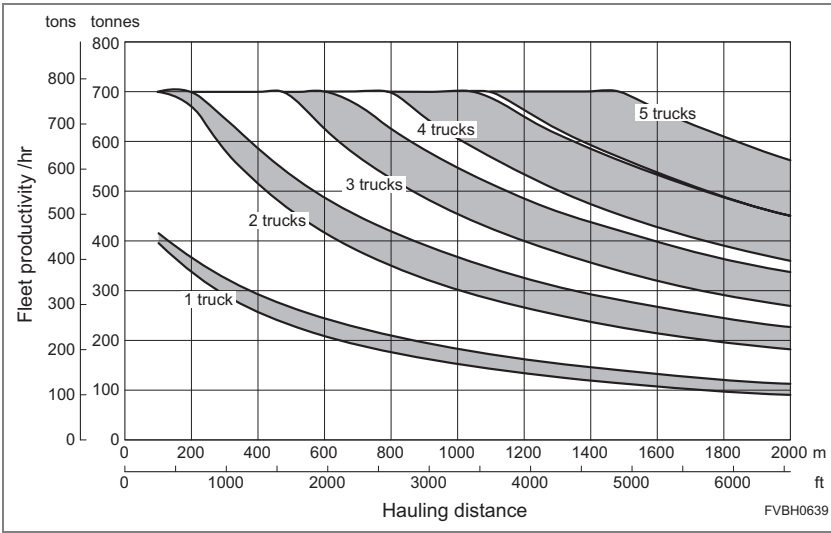
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA600
Bucket size = 6.4 m³
Bucket fill factor = 0.9
Cycle time = 40 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



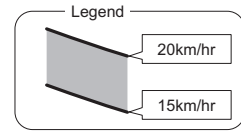
FVBH0638

WA600 (6.4 m³) / HD325



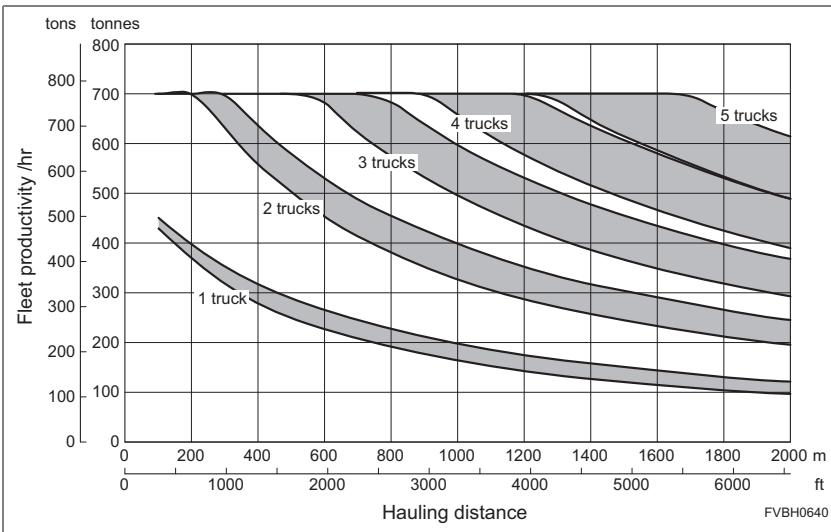
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA600
Bucket size = 6.4 m³
Bucket fill factor = 0.9
Cycle time = 40 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



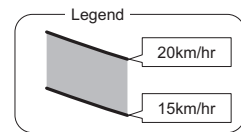
FVBH0639

WA600 (6.4 m³) / HM400 or WA600 (6.4 m³) / HD405



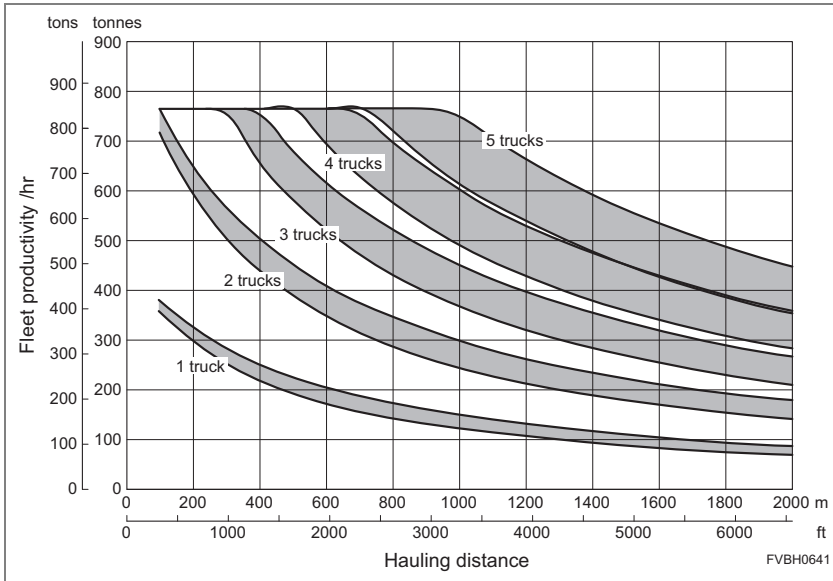
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA600
Bucket size = 6.4 m³
Bucket fill factor = 0.9
Cycle time = 40 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



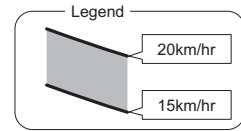
FVBH0640

WA600 (7.0 m³) / HM300



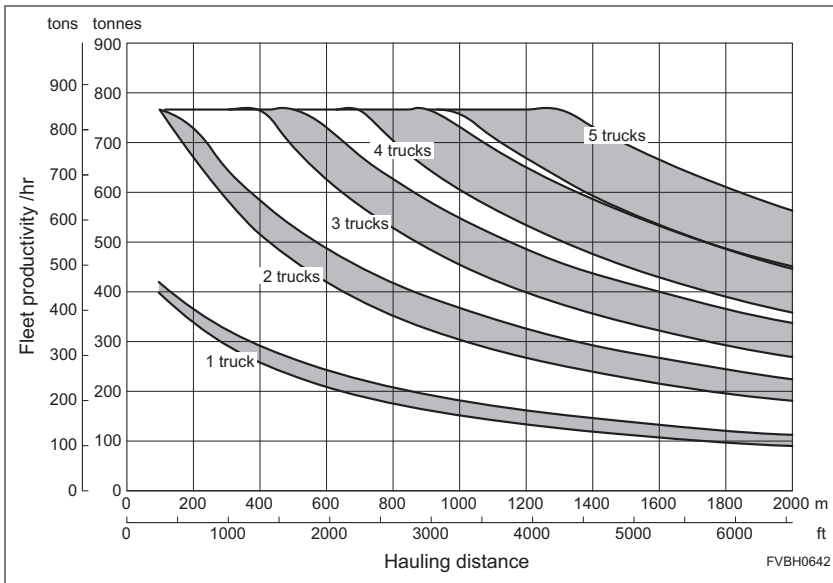
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA600
Bucket size = 7.0 m³
Bucket fill factor = 0.9
Cycle time = 40 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HM300
Pay load = 28 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



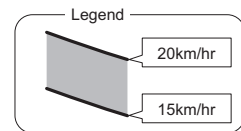
FVBH0642

WA600 (7.0 m³) / HD325



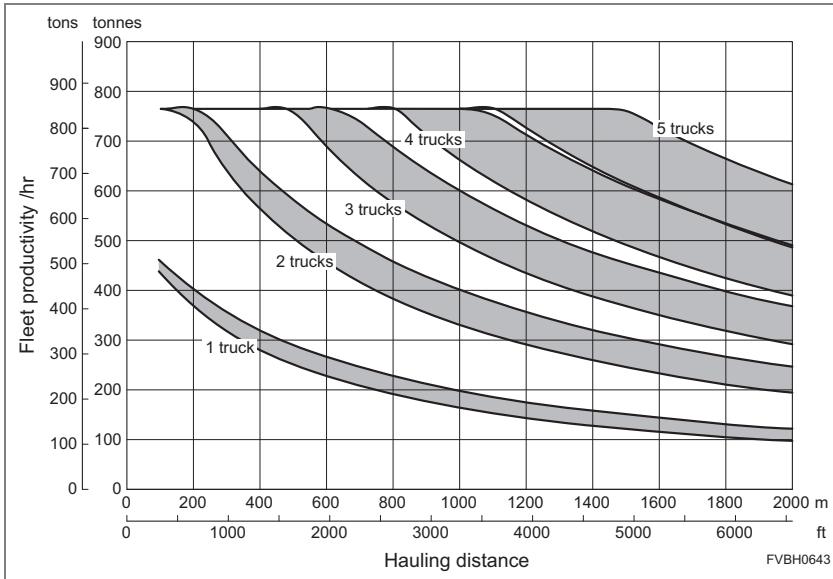
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA600
Bucket size = 7.0 m³
Bucket fill factor = 0.9
Cycle time = 40 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



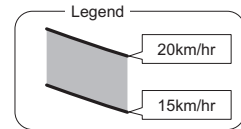
FVBH0642

WA600 (7.0 m³) / HM400 or WA600 (7.0 m³) / HD405



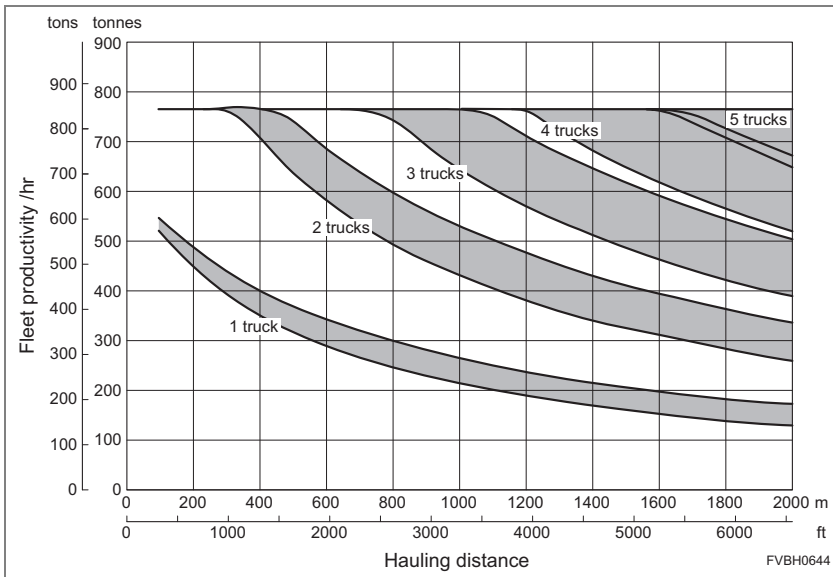
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA600
Bucket size = 7.0 m³
Bucket fill factor = 0.9
Cycle time = 40 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



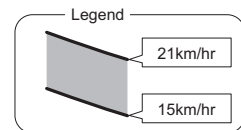
FVB0638

WA600 (7.0 m³) / HD465



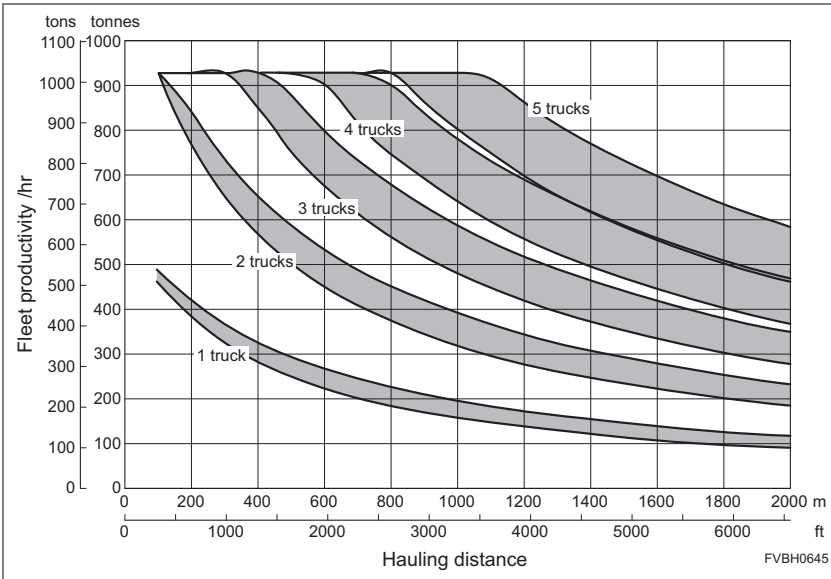
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA600
Bucket size = 7.0 m³
Bucket fill factor = 0.9
Cycle time = 40 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD465
Pay load = 55 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



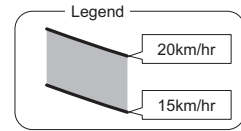
FVB0638

WA700 / HD325



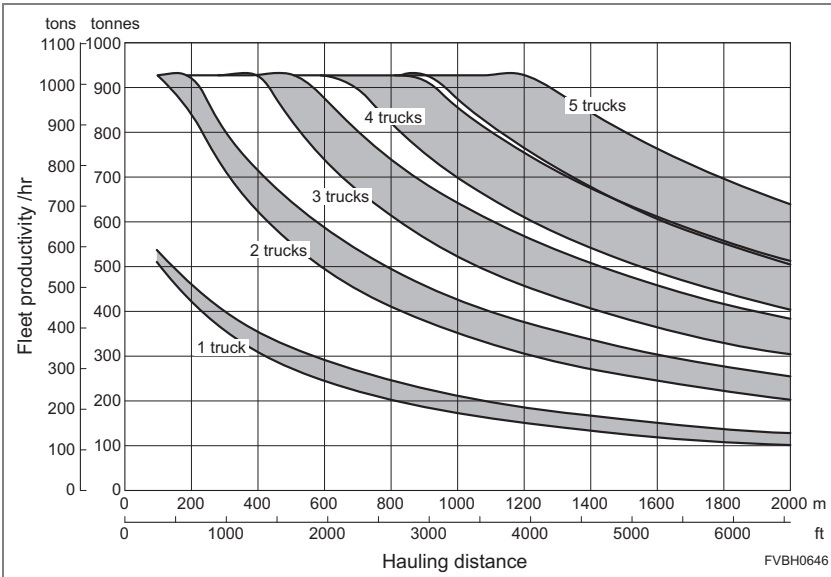
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA700
Bucket size = 8.7 m³
Bucket fill factor = 0.9
Cycle time = 41 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD325
Pay load = 36.5 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



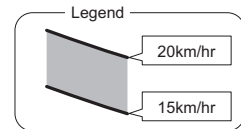
FVBH058

WA700 / HM400 or WA700 / HD405



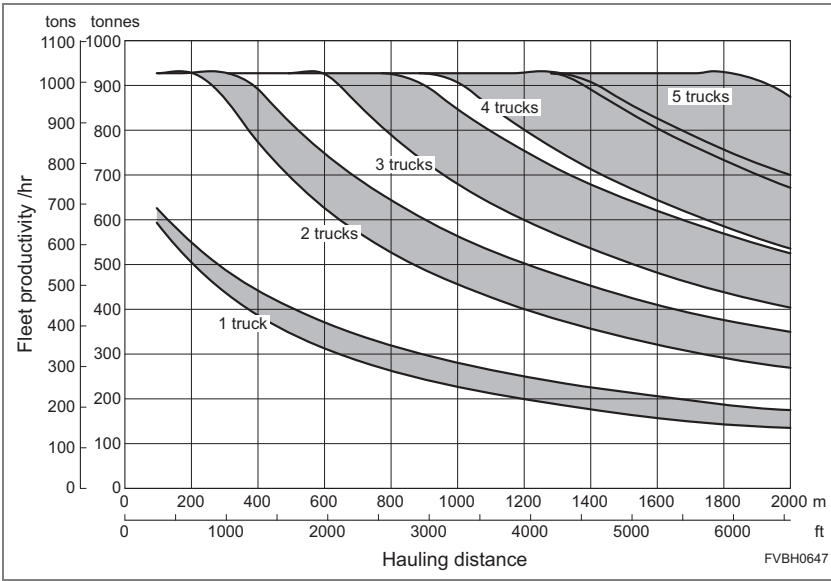
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA700
Bucket size = 8.7 m³
Bucket fill factor = 0.9
Cycle time = 41 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HM400 or HD405
Pay load = 40 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



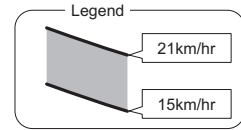
FVBH058

WA700 / HD465



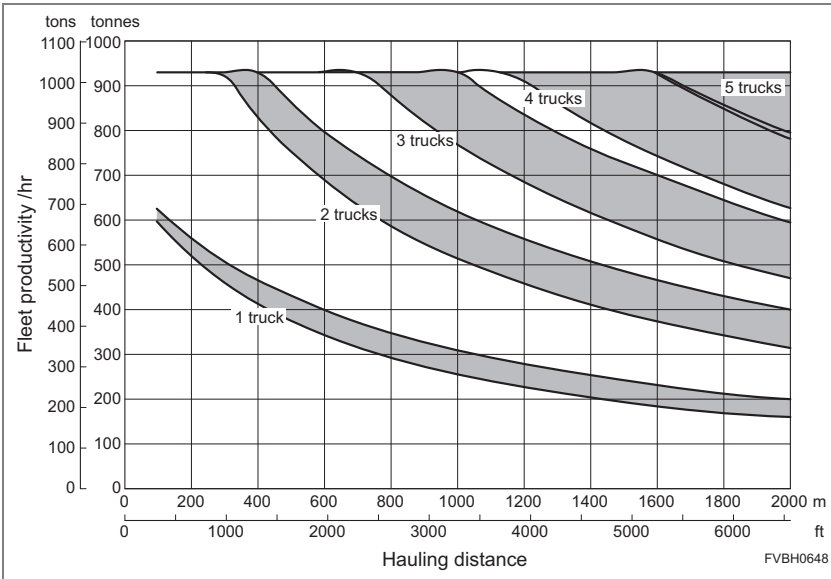
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA700
Bucket size = 8.7 m³
Bucket fill factor = 0.9
Cycle time = 41 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD465
Pay load = 55 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



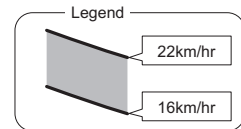
FVBH0648

WA700 / HD605



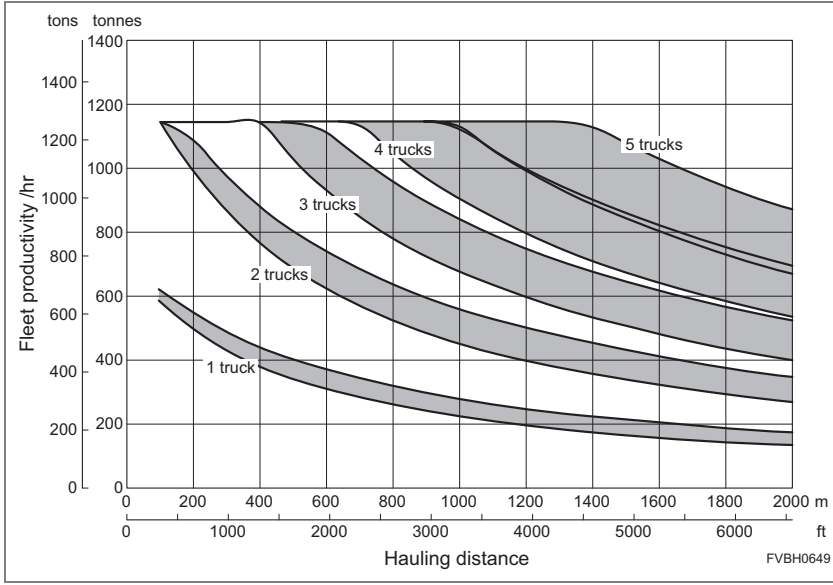
Calculation conditions

- 1) Material
Type of Material = Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA700
Bucket size = 8.7 m³
Bucket fill factor = 0.9
Cycle time = 41 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD605
Pay load = 63 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



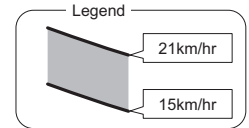
FVBH0648

WA800 / HD465

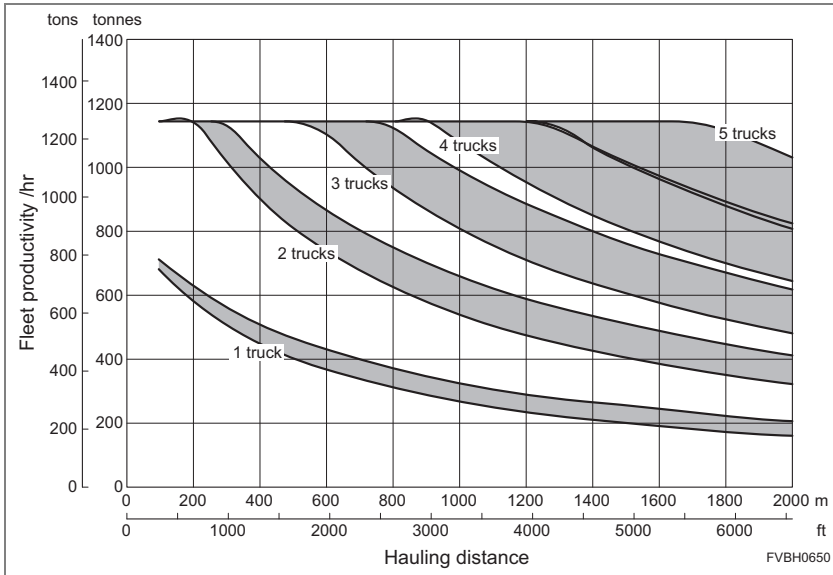


Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA800
Bucket size = 11.0 m³
Bucket fill factor = 0.9
Cycle time = 42 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD465
Pay load = 55 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed

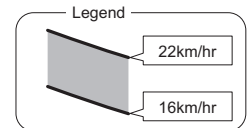


WA800 / HD605

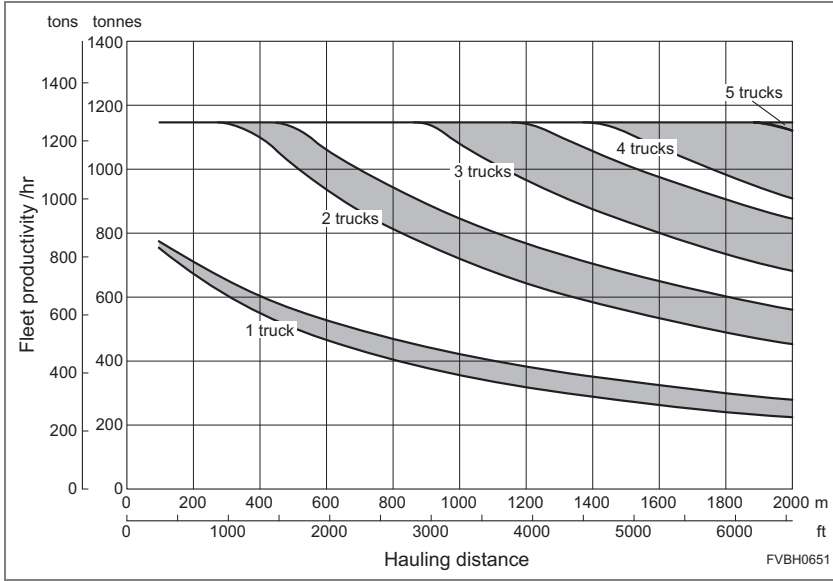


Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA800
Bucket size = 11.0 m³
Bucket fill factor = 0.9
Cycle time = 42 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD605
Pay load = 63 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed

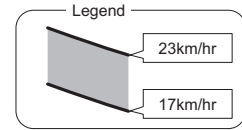


WA800 / HD785



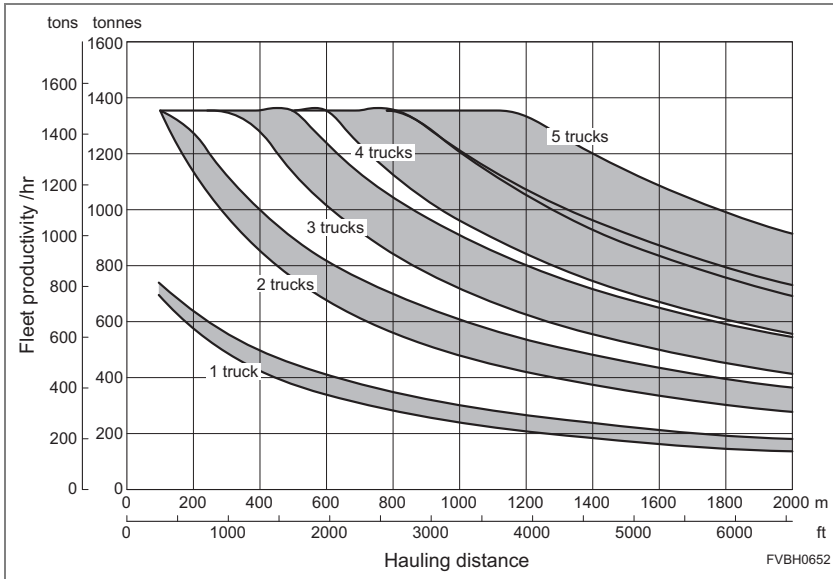
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA800
Bucket size = 11.0 m³
Bucket fill factor = 0.9
Cycle time = 42 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD785
Pay load = 91 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



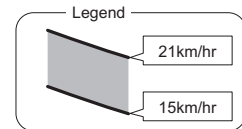
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WA900 / HD465



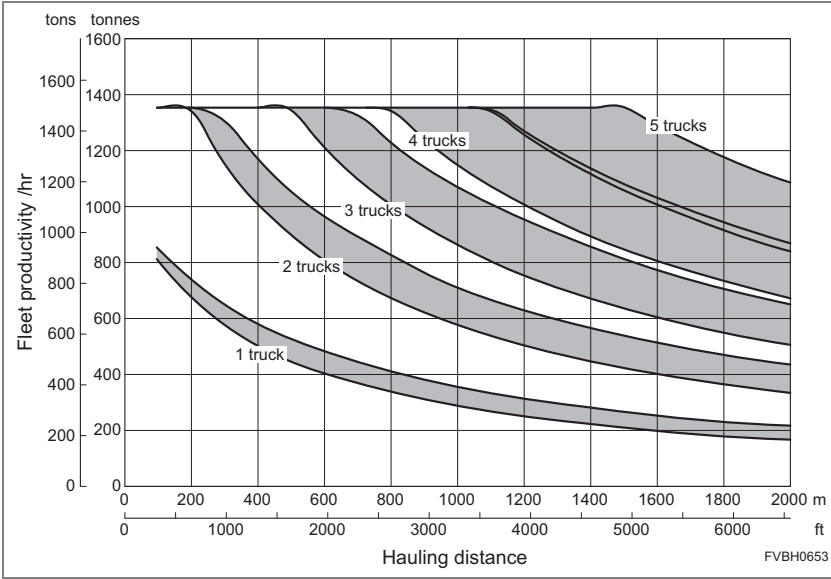
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA900
Bucket size = 13.0 m³
Bucket fill factor = 0.9
Cycle time = 42 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD465
Pay load = 55 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



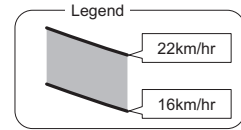
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WA900 / HD605



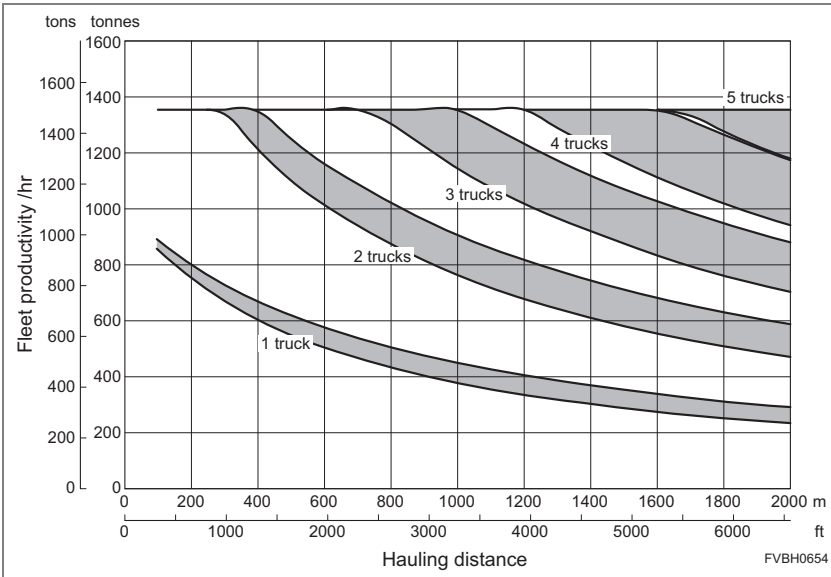
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA900
Bucket size = 13.0 m³
Bucket fill factor = 0.9
Cycle time = 42 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD605
Pay load = 63 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



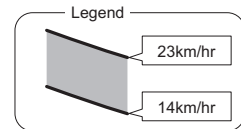
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WA900 / HD785



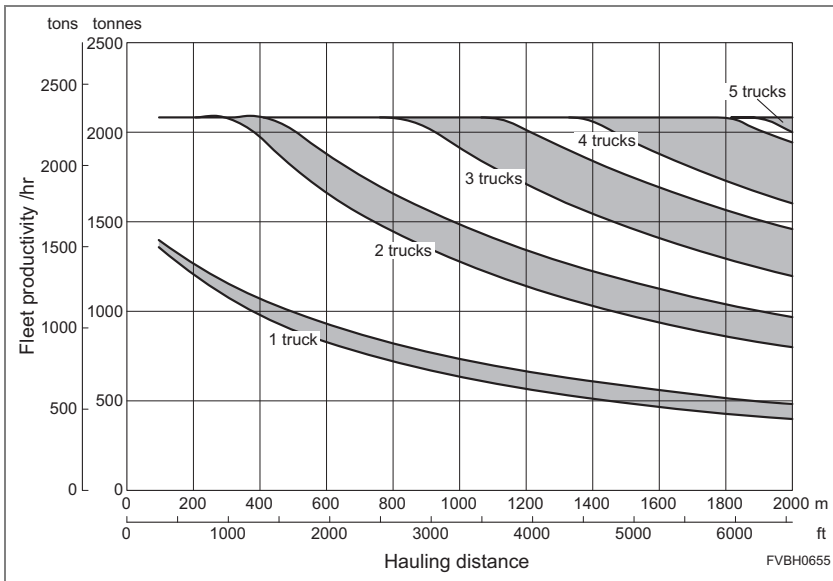
Calculation conditions

- 1) Material
Type of Material =Blasted rock
Loose density = 1.8
- 2) Loading conditions
Loading tool = WA900
Bucket size = 13.0 m³
Bucket fill factor = 0.9
Cycle time = 42 sec
Job efficiency = 75 %
- 3) Hauling conditions
Hauling tool = HD785
Pay load = 91 tonne
Turn & Dump time = 72sec
Spot time = 18 sec
Job efficiency = 80%
Average travel speed



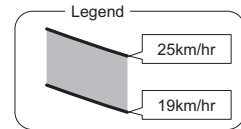
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WA1200 / HD1500



Calculation conditions

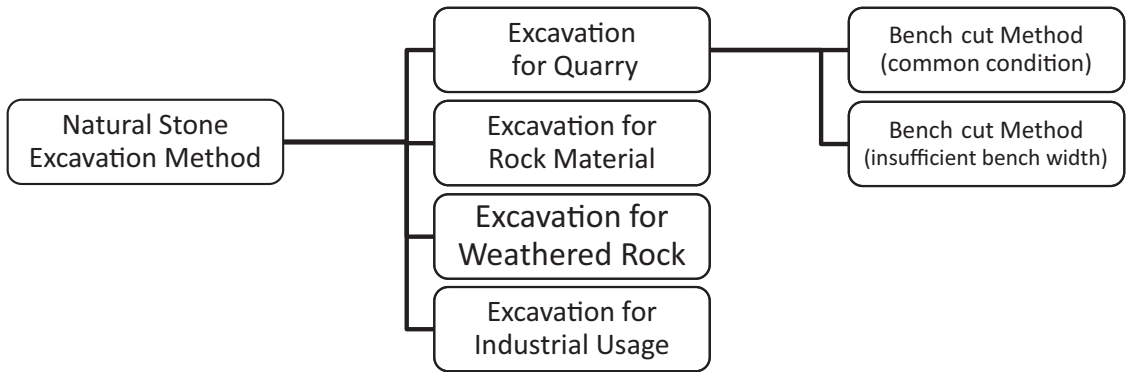
- 1) Material
 Type of Material = Blasted rock
 Loose density = 1.8
- 2) Loading conditions
 Loading tool = WA1200
 Bucket size = 20.0 m³
 Bucket fill factor = 0.9
 Cycle time = 42 sec
 Job efficiency = 75 %
- 3) Hauling conditions
 Hauling tool = HD1500
 Pay load = 142 tonne
 Turn & Dump time = 72sec
 Spot time = 18 sec
 Job efficiency = 80%
 Average travel speed



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The following contents (calculation, formula, recommendation) is written with reference from Japan's Quarry Technology Guidance Standard. Please use this as a reference, and confirm beforehand whether it comply with your working environment before utilizing it in actual practice.

- Considering Hazard Prevention, Preservation and Plantation of end-of-stage wall, also high efficiency and stable production point-of-view, bench-cut method was applied in this calculation (sloping, shaft blasting and other excavation method not used). Wall-face formed during excavation need to be maintained within the range of safe average-slope-angle and place at each certain level below a certain adequate excavation height.
- When performing muck pile moving by open-chute method, in order to prevent accidents such as earth-flow to nearby community/neighborhood, chute area need to have a proper height and face-angle. If necessary, on top of that, Prevention-dam or prevention-net are some options, not to mention water-spraying to prevent dust.
- Under Downward Excavation (Excavation by digging to a level below Base level) operation, it is needed to do necessary action in order not to give damage to surrounding public-spaces, rice-field, farm, water-well, etc. More over, it is recommended to convert to bench-cut method for brown-field job-site which are still performing sloping method or shaft method.
- At this section, it will mentioned technological standard of excavation method based on type of raw stone.

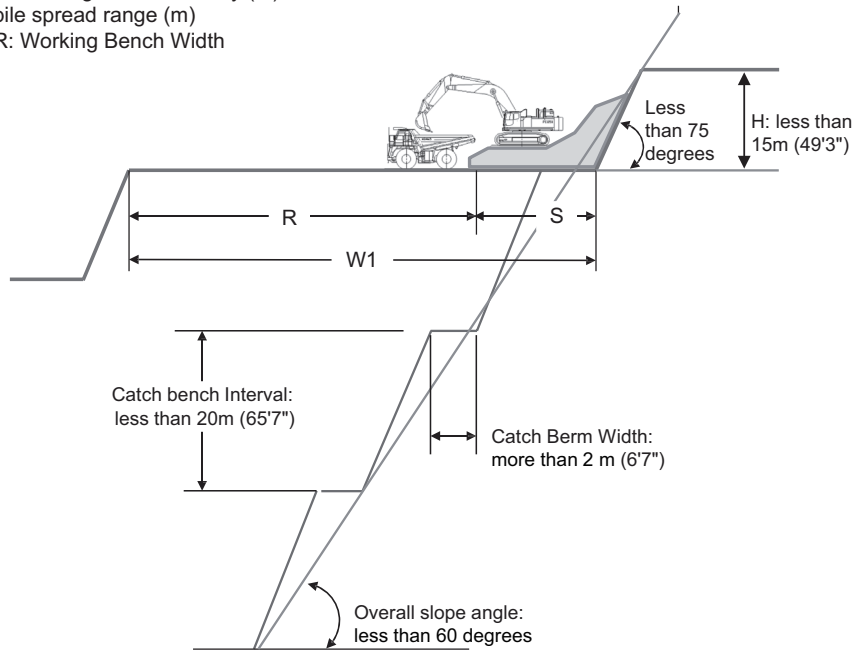


1. Natural Stone Excavation for Quarry

(1) Bench-cut Method (common condition)

In the case of excavating natural stone in quarry (Among several type of natural stone excavation for rock material, definition is including excavating rock for riprap usage etc.), the height of working bench in normal condition should be less than 15 m (49'3"), bench width should be larger than W1 ($W1=S+R$; S is muckpile spread range (cut width) and R is range necessary to safely use machines for excavation work). Moreover, slope angle of working bench's face generally should be less than 75 degrees, to be adjusted accordingly in consideration to work safety for each type of rock. On the other hand, wall formed during excavation, in principal should have a catch bench with at least 2 m (6'7") width, less than 20 m (65'7") height interval and also should be within the range of safe overall slope angle.

H: Bench Height (m)
 R: Range for using machine safely (m)
 S: Muckpile spread range (m)
 $W1 = S + R$: Working Bench Width



R: Range for using machine safely (m)

(a) When loading with hydraulic excavator, area with width more than 3 times of truck's minimum turning radius is necessary.

Model	Min. turning radius m (ft.in)	Bench width m (ft)
HD325-7/7R/8	7.2 (23'7")	22 (72')
HD405-7/7R	7.2 (23'7")	22 (72')
HD405-8	7.9 (25'11")	24 (78')
HD465-7/7R	8.5 (27'11")	26 (84')
HD465-8	8.7 (28'7")	26 (86')
HD605-7E0/7R	8.5 (27'11")	26 (84')
HD605-8	8.7 (28'7")	26 (86')
HD785-7	10.1 (33'2")	30 (99')
HD1500-7	12.2 (40'0")	37 (120')
HD1500-8	11.2 (36'9")	34 (110')

(b) When loading with wheel loader, area with width more than 3 times of wheel loader minimum turning radius is necessary.

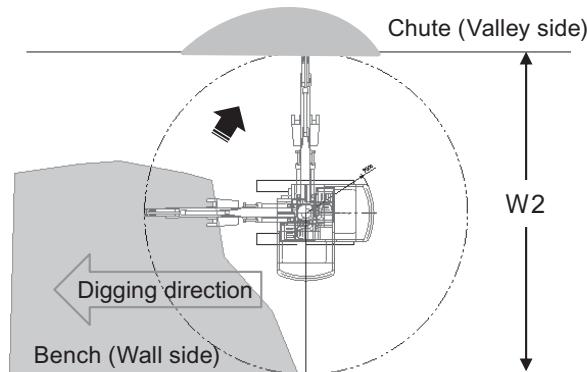
Model	Min. turning radius m (ft.in)	Bench width m (ft)
WA500-6/6R	7.65 (25'1")	23 (75')
WA500-7	8.22 (27')	25 (81')
WA500-8	8.23 (27')	25 (81')
WA600-6/6R	8.4 (27'7")	25 (83')
WA600-8	8.5 (27'11")	26 (84')
WA700-3	9.62 (31'7")	29 (95')
WA800-3E0	10.9 (35'9")	33 (107')
WA900-3E0	11 (36'1")	33 (108')
WA1200-6	14.33 (47')	43 (141')

(2) Bench-cut Method (when cannot obtain sufficient bench width)

Generally bench-cut method should be performed with the same precautions described at section (1). However, in the case of sufficient bench width could not be secured and excavation is performed with open-chute method, bench width still need to be wider than $W2$ ($W2=R'$, while R' is safe range when using track type equipment), even if using track type equipment. However, it is preferable to have $W2$ as wide as possible based on proper excavation plan. Even in this case, safe visibility or eyesight still need to be maintained.

When performing open-chute with hydraulic excavator, area with width more than twice of swing radius at boom full-horizontal position

Model	Swing Radius m (ft.in) (Boom Length)	Bench width m (ft)
PC400 ~ PC490	7.1 (23'4")	14 (47')
PC400 ~ PC490 [SE]	6.7 (22')	13 (44')
PC500LC	7.1 (23'4")	14 (47')
PC500LC [SE]	6.7 (22')	13 (44')
PC600 ~ PC700LC	7.3 (25'2")	15 (48')
PC600 ~ PC700LC [SE]	6.6 (21'8")	13 (43')
PC800	8.2 (26'11")	16 (54')
PC850	8.04 (26'5")	16 (53')
PC800 ~ PC850 [SE]	7.1 (23'4")	14 (47')
PC1250	9.1 (29'10")	18 (60')
PC1250 [SP]	7.8 (25'7")	16 (51')
PC2000	8.7 (28'7")	17 (57')



(3) Excavation of Natural Stone for Rock Material

In case of natural stone excavation for rock material (Ashlar, etc.), in principal, active bench height should be less than 20 m (65'7"), working bench height is less than 5 m (16'5"), and bench width is wider than $W3$ ($W3=R$, while R is range necessary to safely use machines for excavation work). Excavation face's slope angle should be maintained within the range of a safe excavation work of each type of rock. The wall formed during excavation should have at least a catch bench with at least 2 m (6'7") width, less than 20 m (65'7") height interval and also should be within the range of safe overall slope angle.

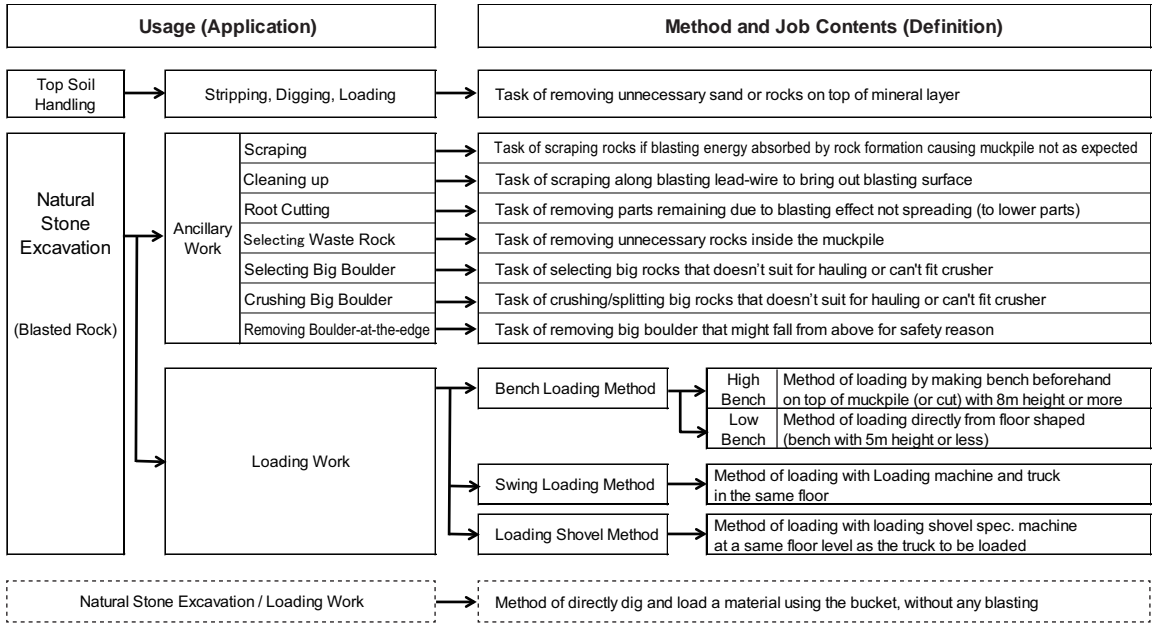
(4) Excavation of Weathered Rock

In the case of weathered rock (mainly weathered granite) excavation, in principal, working bench height should be less than 5 m (16'5"), bench width is more than $W1$ ($W1=S+R$; S is muckpile spread range (cut width) and R is range necessary to safely use machines for excavation work). Moreover, slope angle of working bench's face generally should be less than 45 degrees to be adjusted accordingly in consideration to work safety for each type of rock. Active mine area overall-vertical-height should be less than 50 m (164'). For safety reason, overall slope angle need to be adjusted and maintained according to the nature of the rock to be excavated and resource condition. The wall formed during excavation should have a catch bench with at least 2 m (6'7") width, less than 20 m (65'7") height interval and also should be within the range of safe overall slope angle.

(5) Excavation of Natural Rock for Industrial Usage

According to the nature of applicable stone, excavation condition and other related factor, excavation method should comply natural stone excavation method for quarry, for rock material or for weathered rock.

Hydraulic excavator is usually used in widely in different types of works, depends on work usage, job contents, loading method, etc.
It is possible to propose a recommendation by determining main job of the machine.

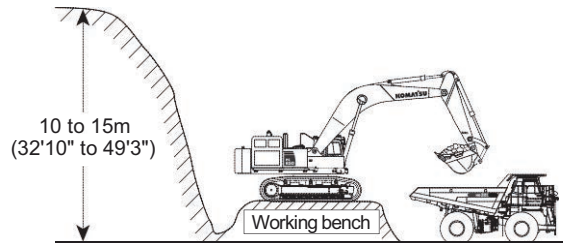


1. Loading Methods of Hydraulic Excavator

(1) High-bench loading (Backhoe)

After blasting a high bench of 10 to 15 m (32'10" to 49'3"), make a working bench with muck pile with 2.0 to 3.0 m (6'7" to 9'10") height. Digging and loading is performed from the top of this working bench.

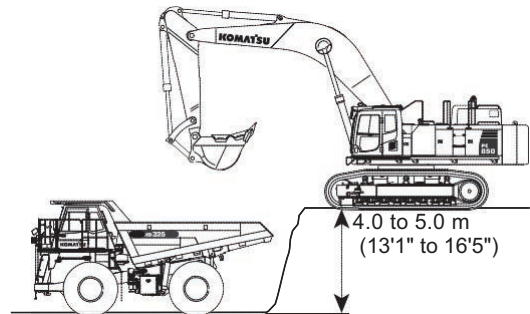
This method reduces swing angle then cycle time, realizing efficient loading. Since operator can view clearly into dump body, impact and shock to dump body during loading can be reduced. This method is most commonly used in blasting operations with high bench approach due to its high efficiency.



(2) Low-bench loading (Backhoe)

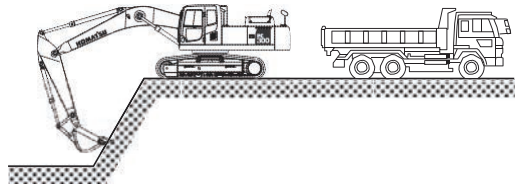
After blasting a low bench of 4 to 5 m (13'1" to 16'5"), digging and loading is performed directly from its top.

Compared to high-bench loading, this method doesn't require making a working bench. Because of this, this method is applied in some quarries.



(3) Swing loading (Backhoe)

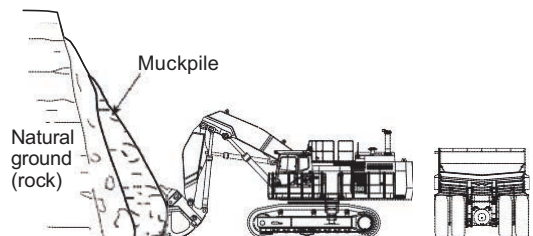
Depends on jobsite conditions, hydraulic excavator may need to operate on the same floor as the truck. Since this method requires a larger swing angle, cycle time is longer. Also, fuel consumption increases due to higher lift. (This method is applied for under-the-water excavation on rivers, etc.)



(4) Loading Shovel Spec.

Loading shovel and truck operate on the same floor. Since bench (wall) can be kept high, effective blasting can be achieved. This method also doesn't require making a working bench.

Another advantage is that bench floor will not be ruined. However, compared to backhoe type, loading shovels lacks in versatility and is less efficient in terms of cycle time.



2. Loading Methods of Wheel Loaders

(1) V-shaped loading

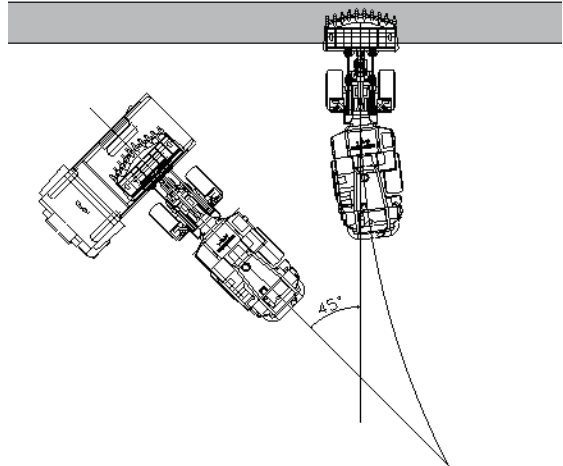
This method is used on jobsites with a wide loading area. Loader moves in a V-shaped movement between working face and truck for loading. This method is commonly used at quarries and mine sites all over the world.

Advantage

- Suitable for high loading frequency because cycle time is fast
- Can select material's quality or size during loading job
- Doesn't need large area for loading

Disadvantage

- Need to be careful about load shape
- Higher load on tires
- Need high-skilled operator for effective operation



(2) Cross loading

This method is used on jobsites with narrow loading area. Loader and truck move in a cross movement for each pass during loading. If timing is not synchronized between operators, loading time increases.

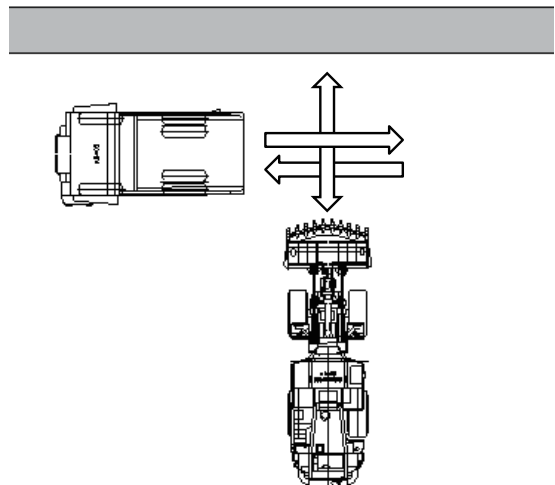
Since truck needs to move several times during loading, truck's fuel consumption increases. However, this method is often employed in case of loading 11-ton trucks with some spillage occurs after leveling load-shape at the end of a cycle, because it's easier to remove the spill after the truck leave for hauling.

Advantage

- Less material spill occurrence and high bucket fill ratio due to simple back-and-forth movement
- Lower load on tires
- Suitable for low loading frequency
- Doesn't need high-skilled operator (generally).

Disadvantage

- Need to match timing with trucks' operator.
- Need to have large area for loading.
- Can't select material's quality or size during loading operation.



Bucket capacity for hydraulic excavator (back-hoe type) is the heaped volume of material until above the top of the bucket with 1:1 angle of repose. (ISO7451)

At below table is mentioned bucket fill factor, coefficients to be considered above to the heaped bucket capacity to estimate actual material volume in the bucket.

Bucket fill factor varies depends on the nature of material.

A suitable coefficient can be selected from below table, in consideration to applicable ground conditions.

	Ground Condition and Material	Bucket Fill Factor
Easy	Digging natural ground of clayey soil, clay, or soft soil	1.1 to 1.2
Average	Digging natural ground of soil such as sandy soil and dry soil	1.0 to 1.1
Slightly Hard	Digging natural ground of sandy soil with gravel	0.8 to 0.9
Hard	Loading blasted rock	0.7 to 0.8

Example of Hydraulic Excavator Bucket Fill Factor Judgement:



Bucket Fill Factor = 100%



Bucket Fill Factor = 80%

Note: It is preferable to estimate average bucket fill factor by taking video because material shape is not constant during operation due to sand or rocks' size and its stickiness.

When recommending a large hydraulic excavator, it is important to select machine spec. and attachments that match field condition or job condition. However, it is not easy to select attachment specs., particularly bucket for quarry specs. (reinforced type), which has a lot of types.

Therefore, please use below table (machine specs. and attachment specs matrix table) as a reference to make a optimum recommendation, matching the needs from customer.

1. Hydraulic Excavator Spec.

Non - Tier4 Region

Model \ Att.	Standard		Short	LS Spec. (Loading Shovel)
	Construction	Quarry	SE/SP Spec.	
PC400(LC)-8	○	○	○	○
PC450(LC)-8	○	○	○	-
PC500LC-8	-	○	○	-
PC550LC-8	○	○	○	-
PC600(LC)-8	○	○	○	○
PC700LC-8	○	○	○	-
PC800-8	○	○	○	○
PC850-8	-	○	○	-
PC1250-8	○	○	○	○
PC2000-8	-	-	○	○

Tier4 Region

Model \ Att.	Standard		Short	LS Spec. (Loading Shovel)
	Construction	Quarry	SE/SP Spec.	
PC400(LC)-11	○	-	-	-
PC450(LC)-11	-	○	-	-
PC490(LC)-11	-	○	-	-
PC600-11	○	○	○	-
PC650LC-11	○	-	○	-
PC700LC-11	○	○	○	-
PC1250-11	○	○	○	-
PC2000-11	-	-	○	-

○: Available Option; -: Option not available

2. Characteristics of large-size hydraulic excavators

Specifications	Features	Applicable Jobsite	Object/materials	Material Conditions
Standard Spec. (for construction work)		Digging and loading job on relatively loose terrain based on soil and sand.	Soil and sand, soil-based natural ground, loose gravel	<ul style="list-style-type: none"> Easily digging terrain
Quarry Spec. (Reinforced type)	Equipped with: <ul style="list-style-type: none"> reinforced work equipment cab top-guard full-length roller guard reinforced revolving frame under-cover 	Quarry site where digging and loading job is performed on rock, blasted rock, and soft rock ground, imposing high load/ stress to work equipment.	Rock, blasted rock, gravel, soft rock-based natural ground	<ul style="list-style-type: none"> Blasted rock Conditions where blasting is partially ineffective. Lump size: Mostly 30 cm or less, but 1 meter class lumps may be included. Hard and firm claystone- or soft rock-based natural ground conditions where blasting is not possible.
SE Spec. (with construction/ STD bucket)	Equipped with: <ul style="list-style-type: none"> large bucket short boom short arm 	Digging and loading job on relatively loose terrain based on soil and sand.	Soil and sand, soil-based natural ground, loose gravel, topsoil	<ul style="list-style-type: none"> Easily excavated terrain
SE Spec. (with quarry bucket)	Equipped with: <ul style="list-style-type: none"> reinforced large bucket short boom short arm 	Quarry site where digging and loading job is performed on a large amount of relatively loose object materials (blasted rock).	Rock, blasted rock, Gravel	<ul style="list-style-type: none"> Blasted rock Conditions where blasting is effective and rock is generally loose. Rock size: Mostly 30 cm or less.
Loading shovel	Equipped with work equipment and bucket for front shovel Opening-clam type bucket is commonly used.	<ul style="list-style-type: none"> Quarry site where loading job is performed on blasted rock. Loading job on relatively loose terrain based on soil and sand. 	Soil and sand, rock, blasted rock	<ul style="list-style-type: none"> Blasted rock Blasting is effective and rock is generally loose. Rock size: Mostly 30 cm or less.

Selection Specification and Attachment of Hydraulic Excavator

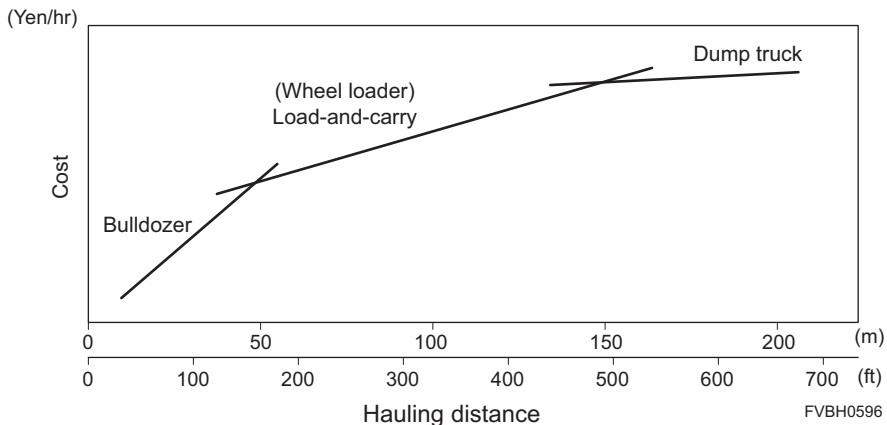
FOR QUARRY

Usage	Advantage	Disadvantage	Remarks
Digging and loading Grading Finishing Pipe laying Deep ditch digging, etc.	In addition to loading, various types of additional jobs are possible.	Not suitable for heavy-duty excavation.	If a quality issue occurred on the site in the past, quarry spec. machines should be recommended even for construction jobsite.
Digging -loading Scraping Root Cutting Removing boulder-at-the-edge	Work equipment is not easily damaged even under severe job conditions (As in quarry, main jobs are heavy-duty excavation, scraping down, etc.).		
Digging and loading	Due to a larger bucket capacity, number of passes required to load a truck is reduced, resulting high efficiency. Due to a larger bucket capacity, number of passes required to load a truck is reduced, resulting in high efficiency.	<ul style="list-style-type: none"> • Due to limited working range, this spec is not suitable for jobsites where long reach work equipment is required in jobs (such as rock piling, etc.). • Working bench set-up is required to be able to load a truck. • If digging work is to be performed, a reinforced bucket should be installed to avoid frequent crack occurrence. 	
Digging and loading	Can be used for blasted rock in a quarry.	<ul style="list-style-type: none"> • Due to limited working range, this spec is not suitable for jobsites where long reach work equipment is required in jobs (such as rock piling, etc.). • Working bench set-up is required to be able to load a truck. • For sites with frequent root- cutting job, additional consideration (such as preparing a narrow bucket as SE heavy-duty bucket, etc.) is necessary. 	For sites where work equipment often cracked in the past or where performed digging jobs with high frequency, a narrow bucket should be installed.
Digging and loading	Compared to backhoe spec.: <ul style="list-style-type: none"> • It is not necessary to cut a loading bench since loading is possible on the same floor. • High bench method (10 to 15 m) can be used to improve blasting efficiency. • Bench floor will not be ruined. • Allows safer operation on a loose ground. 	Compared to backhoe spec.: <ul style="list-style-type: none"> • Operation is harder because operator cannot see bucket contents. • Lack of versatility since it can only perform loading, rock piling and leveling works. • Cycle time is longer. • Less productivity due to low bucket fill factor. 	Used in some sites in CIS, India and China.

1. Guide for Hauling Method Selection

This graph shows economical distance for different earth-moving methods.

Load-and-carry is the most effective method when moving distance is within 50 to 150 m (164' to 492') range, as per below table.



Advantages	Disadvantages
• At short distance, cycle time is fast hence production is bigger.	• Additional force/load to the tires
• Possible to select material's quality or size then move it.	• Additional force/load to power train
• Digging and loading can be performed by a single machine.	• Material Spill occurred more often due to the nature of the work.



2. Production

Below graph (estimated production curve) was calculated according to the following conditions.

Estimated Production Conditions

Loose density	1.8 ton/m ³
Bucket fill factor	1
Travel speed	
Loaded	16 km/h
Empty	17 km/h
Job Efficiency	100%

Actual Production = (Estimated Production) x (Bucket fill factor) x (Job Efficiency)

Correction Factor

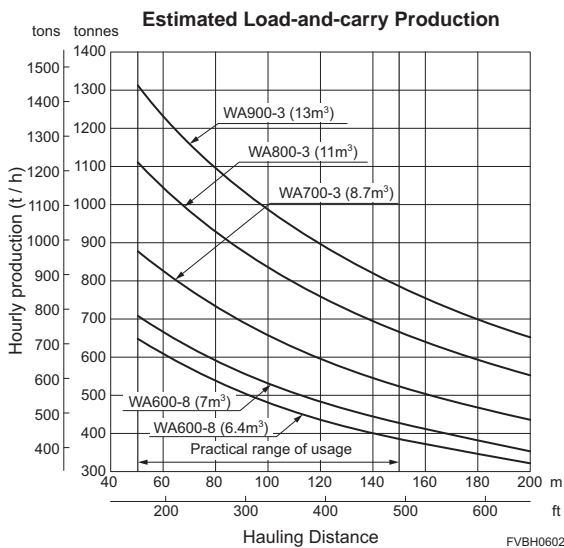
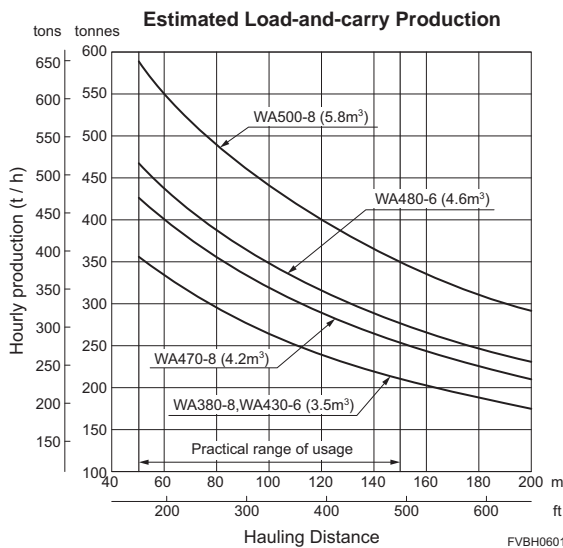
Bucket fill factor

In a load and carry operation, fully heaped bucket causes material spill during travelling, so partial-filled bucket is recommendable.

Please use bucket fill factor from 0.7 to 0.9.

Job Efficiency

Good	0.83 (50 min. out of an hour machine use)
Average	0.80 (48 min. out of an hour machine use)
Slightly Poor	0.75 (45 min. out of an hour machine use)
Poor	0.70 (42 min. out of an hour machine use)



CONTENTS

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APPENDIX DATA	Sec 15B

SECTION **15A**

PRODUCTIVITY

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When planning mechanized projects, one important preparation is to calculate or estimate machine's production.

First step at production estimation is to calculate a theoretical value according to explanation below. This theoretical value is then adjusted according to actual figures obtained from past experience in similar operations.

With these actual figures (especially for job efficiency), it is possible to determine values suitable for the project, neither over-optimistic nor wasteful.

Therefore it is necessary to fully understand how to calculate these theoretical value as first step and to be able to obtain job efficiency figure feasible on that particular site.

With all of this, it is possible to obtain a realistic figure for production volume capable to achieve.

Method of calculating production

Production per hour (m³/h or cu.yd/h) is usually used to express construction machine's production.

This is basically calculated from production per cycle (volume of earth moved per cycle) and number of cycles.

$$Q = q \times N \times E = q \times \frac{60}{Cm} \times E$$

where **Q** : Hourly production (m³/hr; yd³/hr)

q : Production per cycle (m³; yd³), of loose material (after blasting or digging)
(This is determined by machine capacity)

N : Number of cycles per hour = $\frac{60}{Cm}$

Cm : Cycle time (in minutes)

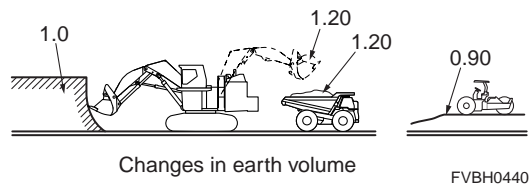
E : Job efficiency (see the item 2)

1. Soil (material) conversion factor (f)

Volume of any material depends on whether the material is in its natural ground condition (unexcavated), whether it is loose, or whether it has been compacted.

This conversion factor depends on the type of soil and operating condition, but in general values listed in the following table can be used.

When estimating productivity of a construction machine, productivity is usually estimated in loose material with soil conversion factor taken from Table 1. However, at actual project planning, production volume is calculated in bank or compacted condition, therefore precaution is necessary when converting these values.

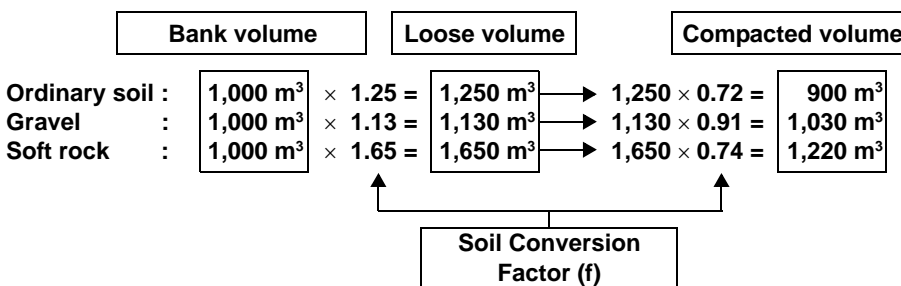


Example:

1,000 m³ of bank (in-place) material has to be excavated and hauled.

(a) How much the volume will be after excavation (digging)?

(b) How much the volume will be if compacted afterwards?



Soil Conversion Factor - Conversion Factor for Earth-volume Change (f)

Nature of earth	Initial	Material condition		
		Bank (In-place)	Loose	Compacted
Sand	(A)	1.00	1.11	0.95
	(B)	0.90	1.00	0.86
	(C)	1.05	1.17	1.00
Sandy clay	(A)	1.00	1.25	0.90
	(B)	0.80	1.00	0.72
	(C)	1.11	1.39	1.00
Clay	(A)	1.00	1.43	0.90
	(B)	0.70	1.00	0.63
	(C)	1.11	1.59	1.00
Gravelly soil	(A)	1.00	1.18	1.08
	(B)	0.85	1.00	0.91
	(C)	0.93	1.09	1.00
Gravel	(A)	1.00	1.13	1.03
	(B)	0.88	1.00	0.91
	(C)	0.97	1.10	1.00
Solid or rugged gravel	(A)	1.00	1.42	1.29
	(B)	0.70	1.00	0.91
	(C)	0.77	1.10	1.00
Broken limestone, sandstone and other soft rocks	(A)	1.00	1.65	1.22
	(B)	0.61	1.00	0.74
	(C)	0.82	1.35	1.00
Broken granite, basalt and other hard rocks	(A)	1.00	1.70	1.31
	(B)	0.59	1.00	0.77
	(C)	0.76	1.30	1.00
Broken rocks	(A)	1.00	1.75	1.40
	(B)	0.57	1.00	0.80
	(C)	0.71	1.24	1.00
Blasted bulky rocks	(A)	1.00	1.80	1.30
	(B)	0.56	1.00	0.72
	(C)	0.77	1.38	1.00

(A) Bank (in-place) condition (B) Loose condition (C) Compacted condition

2. Job efficiency (E)

When planning a project, hourly production of all machines needed in the project is estimated with standard productivity under ideal conditions multiplied by a certain factor, called job efficiency.

Job efficiency depends on many factors such as topography, operator skill, proper selection and disposition of machines. The value refers to time used during an hour of machine operation that actually purposed for the main job.

It is not easy to estimate a perfect value for job efficiency due to many factors involved. With this consideration, job efficiency value given at the following section as only for reference or guidance.

BULLDOZERS

(Dozing)

Hourly production during dozing operation can be estimated by using the following fomula:

$$Q = q \times \frac{60}{Cm} \times e \times E$$

where **Q** : Hourly production (m³ /hr; yd³/hr) **q** : Production per cycle (m³; yd³)
Cm : Cycle time (in minutes) **e** : Grade factor
E : Job efficiency

1. Production per cycle (q)

For dozing operations, production per cycle can be calculated as:

$$q = q_1 \times a \quad q_1 : \text{Blade capacity (m}^3; \text{yd}^3) \quad a : \text{Blade fill factor}$$

When estimating general bulldozer productivity, blade capacity usually referred as the volume of material hauled (moved) at each cycle. Since production per cycle can be different depends on the type of material, blade capacity should be adjusted by multiplying with blade fill factor, listed at following table for reference.

Blade fill factor (a)

Dozing conditions		Blade fill factor (a)
Easy dozing	Full blade of soil can be dozed as completely loosened soil. Low water contented, no-compacted sandy soil, general soil, stockpile material.	1.1 ~ 0.9
Average dozing	Soil is loose, but impossible to doze full blade of soil. Soil with gravel, sand, fine crushed rock.	0.9 ~ 0.7
Rather difficult dozing	High water content and sticky clay, sand with cobbles, hard dry clay and natural ground.	0.7 ~ 0.6
Difficult dozing	Blasted rock, or large pieces of rock	0.6 ~ 0.4

2. Cycle time (Cm)

Cycle time here means the time necessary to complete one cycle (dozing, reversing and gear shifting), calculated by the following formula:

$$Cm \text{ (min.)} = \frac{D}{F} + \frac{D}{R} + Z$$

where **D** : Haul distance (m; yd) **F** : Forward speed (m/min.; yd./min.)
R : Reverse speed (m/min.; yd./min.) **Z** : Time required for gear shifting (min.)

(1) Forward speed/reverse speed

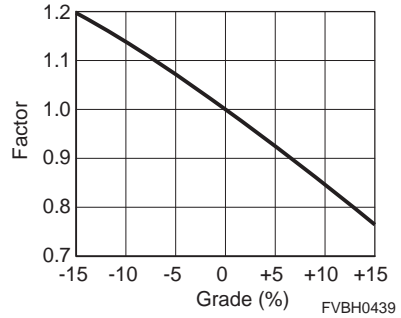
As basic principle, speed should be 3 to 5 km/h (1.9 to 3.1 mph) for forward, and 5 to 7 km/h (3.1 to 4.3 mph) for reverse, for the estimation.

(2) Time for gear shifting

	Time for gear shifting
Direct-drive type	0.10 min.
Torqflow (Torque converter type)	0.05 min.

3. Grade factor (e)

Production is affected by slope grade during dozing. Grade factor can be selected using graph on the right.



4. Job efficiency (E)

Job efficiency (in typical usage) is listed at the following table for reference. To obtain actual production figure, job efficiency should be determined according to actual operating conditions. The value refers to time used during an hour of machine operation that actually purposed for the main job (in this case dozing).

Job efficiency (E)

Operating conditions	Job efficiency
Good	0.83
Average	0.75
Rather poor	0.67
Poor	0.58

(Ripping)

Ripping production varies greatly according to such conditions as the properties of the rock, the method of operation, and the operator's skill. Therefore, it is difficult to estimate. However, from available data, the relationship as shown on the ripper section can be seen between seismic velocity and production.

(Ripping and Dozing)

In normal ripping operations, ripping-dozing task are carried out repeatedly in sequence. Overall production (ripping and dozing) is calculated using the following formula.

$$Q = \frac{QR \times QD}{QR + QD}$$

Where Q = Ripping and dozing production (m³/hr ; yd³/hr)

QR = Ripping production (m³/hr ; yd³/hr)

QD = Dozing production (m³/hr ; yd³/hr)

At this calculation, it is necessary to use same condition for production QR and QD (natural rock position, loose rock condition, soil condition).

WHEEL LOADERS

(Loading)

Generally, hourly production can be estimated by using the following formula:

$$Q = q \times \frac{60}{Cm} \times E$$

where **Q** : Hourly production (m³ /hr; yd³ /hr) **q** : Production per cycle (m³; cu.yd³)
Cm : Cycle time (min.) **E** : Job efficiency

1. Production per cycle (q)

$$q = q_1 \times K$$

Where **q₁** : Heaped bucket capacity (at specifications sheet)

K : Bucket fill factor The actual volume in the bucket differs depending on the type of loading material.
Bucket fill factor is used for that reason.

(1) Bucket fill factor

Bucket fill factor

Loading condition	Wheel loader
A: Easy	1.0 ~ 1.1
B: Average	0.85 ~ 0.95
C: Rather difficult	0.80 ~ 0.85
D: Difficult	0.75 ~ 0.80

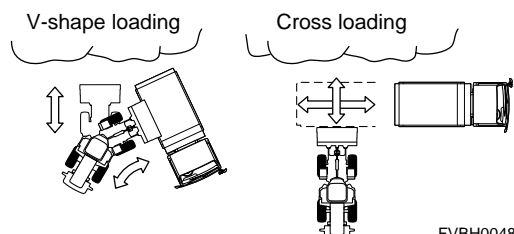
Loading conditions

Operation conditions		Remarks
Easy (A)	Loading from a stockpile or from rock excavated by another excavator, bucket can be filled without any need for digging power. Sand, sandy soil, with good water content conditions.	<ul style="list-style-type: none"> Loading sand or crushed rock products Soil gathering such as loading of soil dozed by a bulldozer.
Average (B)	Loading of loose stockpiled soil more difficult to load than category A but possible to load an almost full bucket. Sand, sandy soil, clayey soil, clay, unscreened gravel, compacted gravel, etc. Or digging and loading of soft soil directly in natural ground condition.	Digging and loading of sandy natural ground.
Rather difficult (C)	Difficult to load a full bucket. Small crushed rock piled by another machine. Finely crushed rock, hard clay, sand mixed with gravel, sandy soil, clayey soil and clay with poor water content conditions.	Loading of small crushed rock
Difficult (D)	Difficult to load bucket, large irregular shaped rocks forming big air pockets. Rocks blasted with explosives, boulders, sand mixed with boulders, sandy soil, clayey soil, clay, etc.	Loading of blasted rock

2. Cycle time (Cm)

The following tables show typical (average) cycle time according to loading method and operating conditions.

It is possible to shorten cycle time (less than average) by minimizing moving distance.



FVBH0048

(1) V-shape loading

Average cycle time

Unit: min.

Loading conditions		Bucket size ~ 3 m ³	3.1 ~ 5 m ³	5.1 m ³ ~
A	Easy	0.45	0.55	0.65
B	Average	0.55	0.65	0.70
C	Rather difficult	0.70	0.70	0.75
D	Difficult	0.75	0.75	0.80

(2) Cross loading

Average cycle time

Unit: min.

Loading conditions		Bucket size ~ 3 m ³	3.1 ~ 5 m ³	5.1 m ³ ~
A	Easy	0.40	0.50	0.60
B	Average	0.50	0.60	0.65
C	Rather difficult	0.65	0.65	0.70
D	Difficult	0.70	0.75	0.75

3. Job efficiency (E)

Job efficiency (in typical usage) is listed at the following table for reference. To obtain actual production figure, job efficiency should be determined according to actual operating conditions.

Job efficiency (E)

Operating conditions	Job efficiency
Very Good	0.83
Good	0.75
Average	0.67
Rather Poor	0.58

(Load and Carry)

$$Q = q \times \frac{60}{Cm} \times E$$

where **Q** : Hourly production (m³/hr; yd³/hr) **q** : Production per cycle (m³; yd³)
Cm : Cycle time (min.) **E** : Job efficiency

1. Production per cycle (q)

$$q = q_1 \times K$$

where **q₁** : Heaped bucket capacity (at specifications sheet)
K : Bucket fill factor

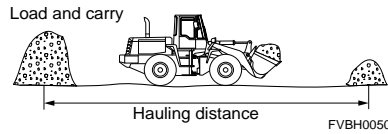
(1) Bucket fill factor

In a load and carry operation, fully heaped bucket causes material spill during travelling, so partial-filled bucket is recommendable.

Please use bucket fill factor between 0.7 and 0.9 for estimation.

2. Cycle time (Cm)

$$Cm = \frac{D}{\frac{1000VF}{60}} + \frac{D}{\frac{1000VR}{60}} + Z$$



Where **D** : Hauling distance (m, yd)
VR: Return speed (km/hr; MPH)

VF: Travel speed with load (km/hr; MPH)
Z : Fixed time (min)

(1) Travel speed

Travel speed

Operation conditions		Speed km/hr(MPH)	
		Loaded	Empty
Good	Hauling on well compacted flat road, few bumps in road surface, no meeting other machines, can concentrate on L & C.	10 ~ 23 (6.2 ~ 14)	11 ~ 24 (6.8 ~ 15)
Average	Few bumps on road surface, flat road, some auxiliary work carrying large lumps of rock.	10 ~ 18 (6.2 ~ 11)	11 ~ 19 (6.8 ~ 12)
Rather poor	Bumps in road surface, high rate of auxiliary work.	10 ~ 15 (6.2 ~ 9.3)	10 ~ 16 (6.2 ~ 10)
Poor	Large bumps in road, meeting other machines, difficult to carry out smooth work, large amount of auxiliary work.	9 ~ 12 (5.6 ~ 7.5)	9 ~ 14 (5.6 ~ 8.7)

(2) Fixed time (Z)

$$Z = t_1 + t_2 + t_3 + t_2$$

where **Z** : 0.60 ~ 0.75 (min.)
t₂ : Turning time (0.15 min.)

t₁ : Loading time (0.20 ~ 0.35 min.)
t₃ : Dumping time (0.10 min.)

3. Job efficiency (E)

Job efficiency (in typical usage) is listed at the following table for reference. To obtain actual production figure, job efficiency should be determined according to actual operating conditions.

Job efficiency (E)

Operating conditions	Job efficiency
Good	0.83
Average	0.80
Rather poor	0.75
Poor	0.70

HYDRAULIC EXCAVATOR**(Construction Application)**

$$Q = q \times \frac{3600}{C_m} \times E$$

where **Q** : Hourly production (m³ /hr; yd³ /hr) **q** : Production per cycle (m³; yd³)
C_m : Cycle time (sec.) **E** : Job efficiency

1. Production per cycle (q)

$$q = q_1 \times K$$

where **q₁** : Bucket capacity (heaped) (m³; yd³) **K** : Bucket fill factor

(1) Bucket fill factor

Bucket fill factor varies depends on the nature of material.

A suitable factor can be selected from table below, taking into consideration the excavation conditions.

Bucket fill factor (Backhoe)

Up to PC2000	Excavating conditions	Bucket fill factor
Easy	Excavating natural ground of clayey soil, clay, or soft soil	1.1 ~ 1.2
Average	Excavating natural ground of soil such as sandy soil and dry soil	1.0 ~ 1.1
Rather difficult	Excavating natural ground of sandy soil with gravel	0.8 ~ 0.9
Difficult	Loading blasted rock	0.7 ~ 0.8

Bucket fill factor (Loading shovel)

Up to PC2000	Excavating conditions	Bucket fill factor
Easy	Loading clayey soil, clay, or soft soil	1.0 ~ 1.1
Average	Loading loose soil with small diameter gravel	0.95 ~ 1.0
Rather difficult	Loading well blasted rock	0.90 ~ 0.95
Difficult	Loading poorly blasted rock	0.85 ~ 0.90

2. Cycle time (Cm)

Cycle time = Dig-to-load time + loaded-swing time + dump time + empty-swing time

However, in this handbook it is using **cycle time = (standard cycle time) × (conversion factor)**

Standard cycle time for each model is listed at the following table.

Standard cycle time for backhoe (unit: sec)

Model	Range	Swing angle	
		45° ~ 90°	90° ~ 180°
PC200, PC210, PC228US		13 ~ 16	16 ~ 19
PC220, PC230, PC240		14 ~ 17	17 ~ 20
PC270, PC290		15 ~ 18	18 ~ 21
PC300, PC350, PC360, PC390		15 ~ 18	18 ~ 21
PC300, PC350, PC360, PC390 [SE]		17 ~ 20	20 ~ 23
PC400, PC450		16 ~ 19	19 ~ 22
PC400, PC450 [SE]		18 ~ 21	21 ~ 24
PC490, PC500		18 ~ 21	21 ~ 24
PC490, PC500 [SE]		20 ~ 23	23 ~ 26
PC600, PC700		17 ~ 20	20 ~ 23
PC600, PC700 [SE]		19 ~ 22	22 ~ 25
PC800, PC850		18 ~ 21	21 ~ 24
PC800, PC850 [SE]		20 ~ 23	23 ~ 26
PC1250		22 ~ 25	25 ~ 28
PC1250 [SP]		24 ~ 27	27 ~ 30
PC2000		24 ~ 27	27 ~ 30

Standard cycle time for loading shovel

Model	Cycle time (sec)
PC600, PC800	23 to 25
PC1250	27 to 30
PC2000	29 to 32

Conversion factor for excavator

Digging condition $\left(\frac{\text{Digging depth}}{\text{Specified max. digging depth}} \right)$	Dumping condition			
	Easy (Dump onto spoil pile)	Normal (Large dump target)	Rather difficult (Small dump target)	Difficult (Small dump target requiring maximum dumping reach)
Below 40%	0.7	0.9	1.1	1.4
40 ~ 75%	0.8	1	1.3	1.6
Over 75%	0.9	1.1	1.5	1.8

3. Job efficiency (E)

Job efficiency (in typical usage) is listed at the following table for reference. To obtain actual production figure, job efficiency should be determined according to actual operating conditions.

Job efficiency (E)

Operating conditions	Job efficiency
Very Good	0.83
Good	0.75
Average	0.67
Rather Poor	0.58

(Mining Application)

Production for mining excavators (backhoe and front shovel) can be calculated bases on loaded trucks per hour.

Hourly production

$$Qh = Tn \times Tq \times E$$

$$Tn = 3600 / (Tt + tsp)$$

$$Tt = (Tq / (Bc \times K \times \text{loose density})) \text{ rounded up} \times tc$$

Qh = hourly production (ton/hr; US ton/hr)

Tn = number of loaded trucks per hour

Tq = truck capacity (ton; US ton)

E = time utilisation per hour (%)

Tt = truck loading time (sec)

tsp = truck spotting time (sec)

Bc = bucket capacity (m³; cu.yd)

K = bucket fill factor (%)

tc = cycle time (sec)

Annual production

$$QY = Qh \times (hy - hs) \times Sa \times M$$

QY = annual production

hy = calendar hours per year (hr)

hs = service (or maintenance) hour per year (hr)

Sa = availability (%)

M = mine efficiency (%)

1. Cycle time (tc)

The following tables give a guideline for estimating cycle time.

Attention:

- (1) Cycle times are average figures and for able-to-dig material only
- (2) Assumption made with skilled operator only
- (3) Cycle time will increase by 1 second every 10 degrees additional-swing.
- (4) Calculated with standard attachments only
- (5) Following cycle times are not purposed for any commitment, due to different job site conditions

(1) Backhoe

Standard cycle time for backhoe

(unit: sec)

Model	Digging conditions			Backhoe application
	Easy	Average	Severe	
PC2000	23 ~ 25	26 ~ 28	29 ~ 31	<ul style="list-style-type: none"> • Truck on lower level; Excavator in the upper level (bench) • Average swing angle: 45°
PC3000	23 ~ 25	26 ~ 28	29 ~ 31	
PC4000	23 ~ 26	27 ~ 29	30 ~ 32	
PC5500	24 ~ 27	28 ~ 30	31 ~ 33	
PC7000	25 ~ 27	27 ~ 29	30 ~ 32	
PC8000	25 ~ 28	29 ~ 31	32 ~ 34	

Model	Digging conditions			Backhoe application
	Easy	Average	Severe	
PC2000	31 ~ 34	35 ~ 37	38 ~ 40	<ul style="list-style-type: none"> • Truck on the same floor as excavator • Average swing angle: 120° • Optimized working depth 4 to 5 m (13'1"-16'5")
PC3000	32 ~ 35	36 ~ 38	39 ~ 41	
PC4000	33 ~ 36	37 ~ 39	40 ~ 42	
PC5500	34 ~ 37	38 ~ 40	41 ~ 43	
PC7000	35 ~ 36	37 ~ 39	40 ~ 43	
PC8000	35 ~ 38	39 ~ 41	42 ~ 44	

Model	Digging conditions			Backhoe application
	Easy	Average	Severe	
PC2000	25 ~ 28	29 ~ 31	32 ~ 34	<ul style="list-style-type: none"> • Split bench application • Average swing angle: 90° ~ 120°
PC3000	26 ~ 29	30 ~ 32	33 ~ 35	
PC4000	27 ~ 30	31 ~ 33	34 ~ 36	
PC5500	28 ~ 31	32 ~ 34	35 ~ 37	
PC7000	28 ~ 30	31 ~ 33	34 ~ 37	
PC8000	29 ~ 32	33 ~ 35	36 ~ 38	

(2) Front shovel

Standard cycle time for front shovel

Model	Digging conditions			Front shovel application
	Easy	Average	Severe	
PC2000	24 ~ 26	27 ~ 29	30 ~ 32	<ul style="list-style-type: none"> • Truck on the same floor level • Average swing angle: 90°
PC3000	24 ~ 26	27 ~ 29	30 ~ 32	
PC4000	24 ~ 27	28 ~ 30	31 ~ 33	
PC5500	25 ~ 28	29 ~ 31	32 ~ 34	
PC7000	25 ~ 28	29 ~ 30	31 ~ 33	
PC8000	26 ~ 29	30 ~ 32	33 ~ 35	

2. Time utilisation per hour (E)

Job efficiency (in typical usage) is listed at the following table for reference. To obtain actual production figure, job efficiency should be determined according to actual operating conditions.

Time utilisation per hour (E)

Operating conditions	Time utilisation
Very Good	0.83
Good	0.75
Average	0.67
Rather poor	0.58

3. Bucket fill factor (K)

The bucket fill factor varies according to the nature of material.

A suitable factor can be selected from the table, taking into consideration the applicable excavating conditions.

Bucket fill factor (Backhoe)

PC2000 ~ PC8000	Excavating conditions	Bucket fill factor
Easy	Excavating natural ground of clayey soil, clay, or soft soil	1.0
Average	Excavating natural ground of soil such as sandy soil and dry soil	0.95
Severe	Excavating natural ground of sandy soil with gravel Loading blasted rock	0.9

Bucket fill factor (Front shovel)

PC2000 ~ PC8000	Excavating conditions	Bucket fill factor
Easy	Loading clayey soil, clay, or soft soil	1.0
Average	Loading loose soil with small diameter gravel	0.95
Severe	Loading well blasted rock Loading poorly blasted rock	0.9

DUMP TRUCKS

When carrying out operations using a suitable number of dump trucks of suitable capacity to match the loader, the operating efficiency is calculated in the following order:

1. Estimating the cycle time

The cycle time of a dump truck consists of the following factors.

- (1) Time required for loader to fill dump truck.
- (2) Hauling time
- (3) Time required for unloading (dumping) plus time expended for standby until unloading is started.
- (4) Time required for returning.
- (5) Time required for dump truck to be positioned for loading and for the loader to start loading.

Accordingly, the cycle time = (1) + (2) + (3) + (4) + (5)

The cycle time is calculated as follows:

Truck's Cycle time (Cmt)

$$\text{Cmt} = \text{Cms} \times (n-1) + \text{ts} + \frac{\text{D}}{\text{V}_1} + \text{t}_1 + \frac{\text{D}}{\text{V}_2} + \text{t}_2$$

(1) (2) (3) (4) (5)

- (1) : Load time
- (2) : Haul time
- (3) : Dump time
- (4) : Return time
- (5) : Spot and delay time

Where, n: Number of passes for loading equipment to load truck $n = C_1 / (q_1 \times K)$

$$n = C_1 / (q_1 \times K)$$

C_1 : Dump body capacity (m^3 , yd^3)

q_1 : Loading equipment bucket capacity (m^3 , yd^3)

K : Bucket fill factor

Cms: Loading equipment cycle time per pass (min)

ts: Time required for 1st pass loading

D: Haul distance (m; yd)

V_1 : Average speed of loaded travel (m/min; yd/min)

V_2 : Average speed of empty travel (m/min; yd/min)

t_1 : Time required for dumping + standby time until dumping starts (min)

t_2 : Time required for truck to be in position and for loader to start loading (min)

(1) Loading time

Time required for a loader to load a truck can be estimated by the following calculation.

Loading time = Cycle time (Cms) × (No. of passes to load a truck (n) - 1) + 1st pass loading time (ts)

(a) Loader's Cycle time (Cms)

Loader's cycle time depends on the type of equipment (backhoe-excavator, front-shovel excavator, wheel loader, etc.).

For loader's cycle time, refer to the section mentioning production estimation of each type of loading equipment.

(b)Number of passes required for loader to load truck (n)

Truck’s payload depends on body capacity or weight (load) can be carried.

When payload determined by volume,
$$n = \frac{\text{Dump Body Capacity (m}^3, \text{yd}^3)}{\text{Bucket capacity (m}^3, \text{yd}^3) \times \text{Bucket Fill Factor}}$$

When payload determined by weight,
$$n = \frac{\text{Dump Truck Maximum Payload (tonne, ton)}}{\text{Bucket Capacity (m}^3, \text{yd}^3) \times \text{Bucket Fill Factor} \times \text{Loose Density}}$$

- * Bucket Capacity and Dump Body Capacity generally refer to heaped capacity, but struck capacity is occasionally used depending on the nature of materials.
- * Bucket Fill Factor varies according to the nature of material. In case of wheel loaders, a suitable factor can be selected from values in Table 3 according to the loading condition.

(2)Travel time (Loaded-travel time/Haul Time and Empty-travel time/Return Time)

Time taken to haul a load and return empty, can be calculated by dividing haul road into sections according to rolling resistance and grade resistance, as explained below.

(a)Rolling resistance and grade resistance

As described above, haul road is divided into several sections according to rolling resistance and grade resistance. All of these rolling resistance and grade resistance values then to be summed up, resulting in total resistance at each section.

Rolling resistance for each road conditions can be selected by referring to following table. Grade resistance can be obtained by averaging the gradients in all sections, converted from degrees to percent (listed at following table).

Rolling resistance

Road conditions	Rolling resistance
Well-maintained road, surface is flat and firm, properly wetted, and does not sink under weight of vehicle	2%
Same road conditions as above, but surface sinks slightly under weight of vehicle	3.5%
Poorly maintained, not wetted, sinks under weight of vehicle	5.0%
Badly maintained, road base not compacted or stabilized, forms ruts easily	8.0%
Loose sand or gravel road	10.0%
Not maintained at all, soft, muddy, deeply rutted	15 to 20%

Grade resistance (%) converted from angle (°) of gradient

Angle	% (sin α)	Angle	% (sin α)	Angle	% (sin α)
1	1.8	11	19.0	21	35.8
2	3.5	12	20.8	22	37.5
3	5.2	13	22.5	23	39.1
4	7.0	14	24.2	24	40.2
5	8.7	15	25.9	25	42.3
6	10.5	16	27.6	26	43.8
7	12.2	17	29.2	27	45.4
8	13.9	18	30.9	28	47.0
9	15.6	19	32.6	29	48.5

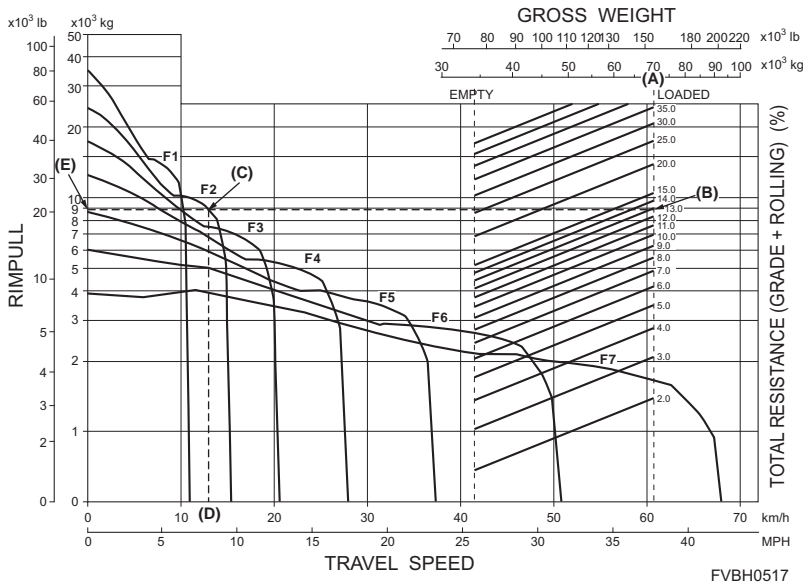
(b)Selecting travel speed

Speed range and maximum speed suited to the resistance can be estimated using Travel Performance Curve, usually included in specification sheet.

Steps to get truck travel speed using Travel Performance Curve is listed as follow.

- (i) Draw a vertical line from Gross Weight axis (A), then mark point (B) according to total resistance (rolling resistance + grade resistance).
- (ii) Draw a horizontal line from (B), then mark (C) where the line intersects the rimpull curve and read (E) for the rimpull.
- (iii) Draw a vertical line downward from (C), and read the travel speed at point (D).

Fig. 1 Example of Travel Performance Curve



Using step (i) to (iii), if a truck with 60 tonnes gross weight traveling at a section with 8% gradient and 5% rolling resistance, the rimpull will be 9 tonnes and travel speed will be 13 km/h at F2.

Maximum speed obtained here is a theoretical value and it should be multiplied by speed factor listed at following reference-table to obtain more-practical average speed.

Selecting Speed Factor

A truck technically can reach desired speed faster (short-time) when starts at a downhill section. In such case, a higher speed factor should be accounted to the calculation. On the other hand, a truck will have more difficulty to reach desired speed when starts a uphill section, therefore a lower speed factor should be accounted to the calculation.

Speed factors

Road- Section Distance (m)	When making a standing start	When running into each section
0 ~ 100	0.25 ~ 0.50	0.50 ~ 0.70
100 ~ 250	0.35 ~ 0.60	0.60 ~ 0.75
250 ~ 500	0.50 ~ 0.65	0.70 ~ 0.80
500 ~ 750	0.60 ~ 0.70	0.75 ~ 0.80
750 ~ 1000	0.65 ~ 0.75	0.80 ~ 0.85
1000 ~	0.70 ~ 0.85	0.80 ~ 0.90

Based on above explanation, average speed can be estimated by the following formula.

Average speed =
Maximum vehicle speed (obtained from travel performance curve) × Speed factor

Average speed mentioned above is applicable in common road (driving) conditions. If there is any factor that can reduce vehicle speed, an applicable factor should be added to the calculation.

The following can be referred as factors reducing travel speed.

These factors should be eliminated wherever possible.

- Trucks passing each other on a narrow road
- Sharp curve or many curves at haul road
- Poor visibility points or section
- Narrow bridges, railway crossings, road intersections
- Sudden and frequent change on rolling resistance
- Pot-holes on the road
- Un-experienced or unskilled operators

(c)Haul time

If each section distance divided by average speed (given in the preceding paragraph), haul time in each section can be estimated. By summing-up these times (haul and return), the total travel time (haul + return time) can be calculated.

Haul and return time at each section

$$= \frac{\text{Section Length/Distance (m)}}{\text{Average speed (m/min.)}}$$

(d)Speed limit at downhill sections

Vehicle speed calculation described at section a) to c) is valid for traveling at total resistance value greater than or equal to 0%. If total resistance is less than 0%, vehicle speed usually will be limited by retarder function at a certain distance.

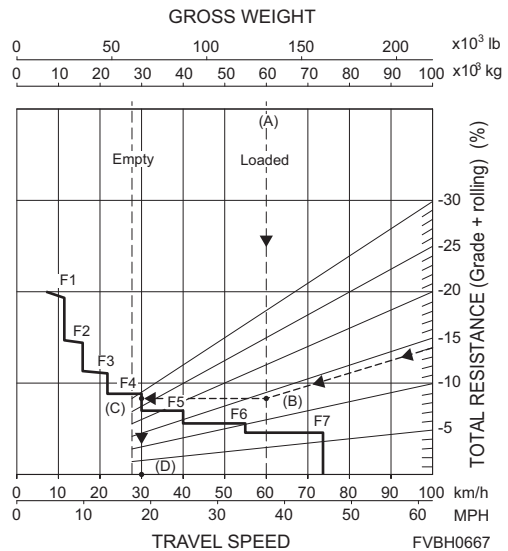
Maximum speed for a truck can travel downhill safely can be obtained by referring to Brake Performance Curve, as shown at Fig. 2 for example. (Continuous Grade Distance).

For example, an assumption was given that total resistance in a section (continuously) is -14% (gradient resistance at -14% and rolling resistance at +2%).

In order to obtain max. speed at this section:

- (i) Draw a vertical line from Gross Weight axis (A), crossing to the line of 14% total resistance (B).
- (ii) Draw a horizontal line from (B) to the left, crossing the stair curve at (C).
- (iii) Draw a vertical line from (C), and then read point (D) to get maximum speed at downhill section.

Fig. 2 Example of Brake Performance Curve (Continuous Grade Distance)



Using step (i) to (iii), the truck mentioned (at the performance curve) should travel at 4th gear with speed around 30km/h (18.6 mph).

(3)Dump time

Dump time here refers to time starts when a truck enter dumping area and ends when the truck starts return trip after dumping the load. Since the length of dump time depends on operation condition, the figures listed on the following table can be used for reference for each condition, with factors causing unnecessarily-long dump time excluded.

Operating conditions	t ₁ , min.
Favorable	0.5 ~ 0.7
Average	1.0 ~ 1.3
Unfavorable	1.5 ~ 2.0

(4)Spotting time

Spotting time here refers to time for a truck to move into loading position (until loader start to dump first pass). Length of spotting time also depends on operation condition, and table on the right can be used for reference at general condition.

Truck's total cycle time can be calculated by adding all the values obtained/calculated according to explanation at section (1) to (4).

Operating conditions	t ₂ , (min.)
Favorable	0.1 ~ 0.2
Average	0.25 ~ 0.35
Unfavorable	0.4 ~ 0.5

Example

- One unit of HD325, working in pair with WA600, is hauling loose material to a dumping point 500 meters away.
How much is HD325 hauling capacity?

Truck's working conditions:

Haul distance: flat road: 450 m
 slope: 50 m
 slope angle: 10%

Speed limits:

For safety purposes, the following speed criteria should not be exceeded.

Haul road condition:

Road with sunken surface, not wetted, poorly maintained.

Material type:

Sandy clay (loose density 1.6 tonnes/ m³)

Job efficiency:

0.83 (good operating conditions)

		Speed
Flat	Loaded	40 km/h
	Empty	60 km/h
Uphill	Loaded	20 km/h
	Empty	40 km/h
Downhill	Loaded	20 km/h
	Empty	40 km/h

Wheel Loader: Bucket capacity : 7.0m³ (9.2cu.yd)
 Cycle time : 0.65 min
 Bucket fill factor : 0.9
 Job efficiency : 0.83

Answer

(a) Cycle time (Cmt)

(i) Loading time

Loader's Cycle time Cms = 0.65 min
 1st pass loading time ts = 0.1 min
 Number of passes to load truck

$$n = \frac{\text{Max. Payload}}{\text{Bucket capacity} \times \text{bucket fill factor} \times \text{loose density}} = \frac{36.5 \text{ tonnes}}{7.0 \text{ m}^3 \times 0.9 \times 1.6} = 3.62$$

n is taken to be 4. (for calculating loading time)

$$\text{Loading time} = \text{Cms} \times (n - 1) + \text{ts} = 0.65 \times (4 - 1) + 0.1 = 2.05 \text{ min}$$

(ii) Travel time (Haul + Return time)

Travel distance is divided into sections and time to travel each section should be calculated.

Hauling:	1 Flat	330 m	Returning:	4 Flat	120 m
	2 Uphill	50 m		5 Downhill	50 m
	3 Flat	120 m		6 Flat	330 m

Truck's EVW (Empty Vehicle Weight): 34,230 kg (Spec. figures)

Loaded weight :

$$\text{Loaded Weight} = n \times \text{bucket capacity} \times \text{bucket fill factor} \times \text{loose density} \times 1,000$$

$$= 3.62 \times 7.0 \times 0.9 \times 1.6 \times 1,000 = 36,500 \text{ kg}$$

$$\text{Overall truck weight (loaded)} = 34,230 \text{ kg} + 36,500 \text{ kg} = 70,730 \text{ kg}$$

Maximum speed for each section can be calculated using Travel Performance Curve and Brake Performance Curve.

The values for HD325 can be referred from Performance Curve at section 5A.

As calculation result shown at the table below, Haul + Return time is 3.10 min.

Travel Time Calculation (Haul + Return time)

		Dis- tance	Grade resis- tance	Rolling resis- tance	Total resis- tance	Speed range	Max. travel speed	Speed factor	Av. spee	Time needed
Haul Time (Loaded)	Flat	330	0	5%	5%	F5	31 km/h (517 m/min)	0.50	258.3 m/min	1.28 min
	Uphill	50	10 %	5%	15%	F1	10 km/h (167 m/min)	0.60	100.0 m/min	0.5
	Flat	120	0	5%	5%	F5	31 km/h (517 m/min)	0.60	310.0 m/min	0.39
Return Time (Empty)	Flat	120	0	5%	5%	F6	59 km/h (983 m/min)	0.35	344.2 m/min	0.35
	Down- hill	50	-10 %	5%	-5%	F6	40 km/h (667 m/min)	0.70	466.7 m/min	0.11
	Flat	330	0	5%	5%	F6	59 km/h (983 m/min)	0.70	688.3 m/min	0.48

Total	3.10 min
-------	----------

(iii) Dumping time and standby time

$$t_1 = 1.15 \text{ min. (average)}$$

(iv) Spotting time

$$t_2 = 0.3 \text{ min. (average)}$$

(v) Cycle time (overall)

$$C_{mt} = 2.05 + 3.10 + 1.15 + 0.3 = 6.6 \text{ min.}$$

(b) Estimation of Truck's Production

$$C = n \times \text{bucket capacity} \times \text{bucket fill factor} = 3.62 \times 7.0 \times 0.9 = 22.80 \text{ m}^3$$

$$P = C \times \frac{60}{C_{mt}} \times E_t = 22.80 \times \frac{60}{6.6} \times 0.83 = 172.0 \text{ m}^3/\text{h}$$

MOTOR GRADERS

The motor grader is used for many purposes such as maintaining roads, final finishing for earthmoving projects, trenching and bank cutting.

Therefore there are many methods of expressing its operating capacity.

1. Calculating the hourly operating area (m²/h)

$$Q_A = V \times (L_e - L_o) \times 1000 \times E$$

Where **Q_A** : Hourly operating area (m²/hr) **V** : Working speed (km/hr)
L_e : Effective blade length (m) **L_o** : Width of overlap (m)
E : Job efficiency

NOTE: Graders usually operate on long stretches, so the time required for gear shifting or turning can be ignored.

(1) Working speed (V)

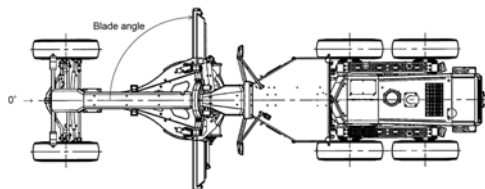
Working speed:

- | | | | |
|------------------|---------------|----------------------|---------------|
| Ditch Grading | : 0 ~ 4 km/h | Ditch Repairing | : 0 ~ 5 km/h |
| Heavy Grading | : 0 ~ 10 km/h | Ripping / Scarifying | : 0 ~ 5 km/h |
| Road Maintenance | : 5 ~ 8 km/h | Snow Removal | : 6 ~ 22 km/h |

(2) Effective blade length (L_e), width of overlap (L_o)

Since the blade is normally angled when cutting or grading the surface, the effective blade length depends on the angle.

The width of overlap is usually 0.6 m (2'0").
 Following table gives the values to be used when applying the formula.



Effective Blade Length(m)

Blade angle	Blade length (m)					
	3.1m(10ft)	3.4m(11ft)	3.7m(12ft)	4.0m(13ft)	4.3m(14ft)	4.9m(16ft)
45°	2.2	2.4	2.6	2.8	3.0	3.5
50°	2.4	2.6	2.8	3.1	3.3	3.8
55°	2.5	2.8	3.0	3.3	3.5	4.0
60°	2.7	2.9	3.2	3.5	3.7	4.2
65°	2.8	3.1	3.4	3.6	3.9	4.4
70°	2.9	3.2	3.5	3.8	4.0	4.6
75°	3.0	3.3	3.6	3.9	4.2	4.7
80°	3.1	3.3	3.6	3.9	4.2	4.8
85°	3.1	3.4	3.7	4.0	4.3	4.9
90°	3.1	3.4	3.7	4.0	4.3	4.9

(3) Job efficiency (E)

The following table gives typical job efficiency as a rough guide. To obtain the actual production figure, determine the efficiency in accordance with actual operating conditions.

Job efficiency (E)

Operating conditions	Job efficiency
Road maintenance, Snow removal	0.8
Other conditions	0.7

2. Calculating the time required to finish a specific area.

$$T = \frac{N \times D}{V \times E}$$

Where **T = Working time (h)**

D = Working distance (km)

E = Job efficiency

N = Number of trips

V = Working speed (km/hr)

Number of trips (N)

When a grader is operating in a job site, and leveling parallel strips, the number of trips can be calculated by using the following formula:

$$N = \frac{W}{Le - Lo} \times n$$

Where **W** : Total width to be leveled (m)

Le : Effective blade length (m)

Lo : Width of overlap (m)

n : Number of grading required to finish the surface to the required flatness.

3. Calculating blade down pressure

This specification indicates cutting ability of a machine.

$$BD = \frac{WB \times FW}{WB - BB}$$

Where **BD: Blade down pressure**

FW: Weight on front

BB: Blade base (Cutting edge to center of front axle)

WB: Wheelbas

4. Calculating blade pull

This specification indicates traction of a machine.

$$BD = RW \times \mu$$

Where **BP: Blade pull**

μ: Traction coefficient

RW: Weight on rear

Note: Coefficient will varies by ground condition. On our brochure, blade pull calculated at 0.8 traction coefficient.

Note: Both blade down pressure and blade pull define working performance of the Machine, but not indicate overall machine productivity. These specifications are also affect each other hence it is always necessary to keep balance.

When a machine has much front weight, it will contributes to larger blade down pressure and more cutting ability. However a machine will lack rear weight which is essential to push against the load. All KOMATSU motor graders are designed to obtain optimum weight balance for maximize productivity.

Number of trips (N)

When a grader is operating in a job site, and leveling parallel strips, the number of trips can be calculated by using the following formula:

$$N = \frac{W}{Le - Lo} \times n$$

Where W : Total width to be leveled (m)

Le : Effective blade length (m)

Lo : Width of overlap (m)

n : Number of grading required to finish the surface to the required flatness.

SECTION **15B**

APPENDIX DATA

CONTENTS

Soil Classification	15B-2
Trafficability	15B-4
Machines and Site Planning	15B-5
Road Surface Rank (Road Surface Roughness) .	15B-8

Soil classification

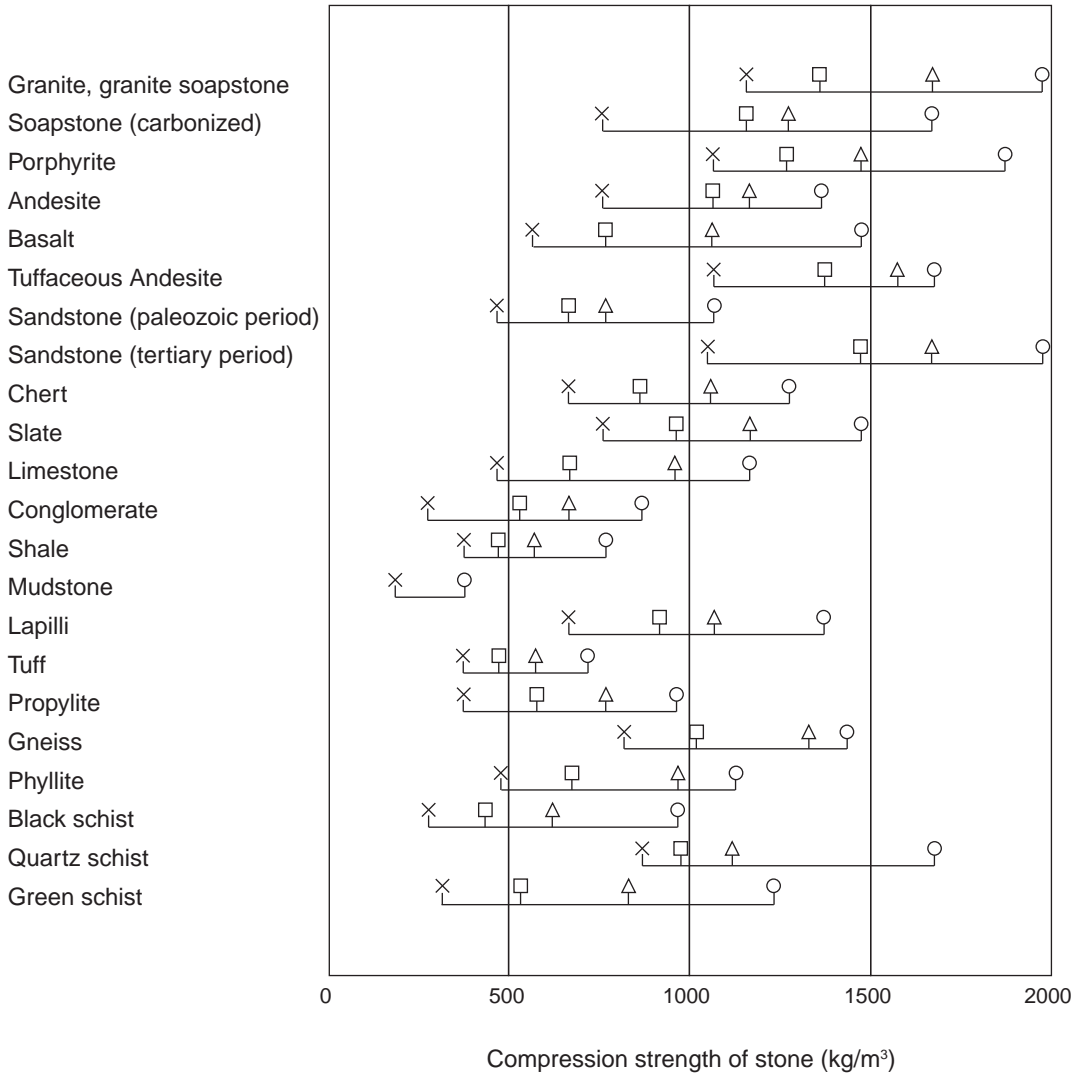
Basic knowledge about the density of main material at the mine is essential when later need to handle or haul. Below is several major rock and material type with its density.

Material density

Material		Material density (tonne/m ³)	
		Bank	Crushed (Loose)
Basalt		2.95	1.7
Bauxite		1.9	1.42
Caliche		2.26	1.25
Carnotite, uranium ore		2.2	1.63
Cinder		0.86	0.56
Clay		1.8	1.45
Clay & gravel		2.0	1.45
Coal	Anthracite	1.3	1.0
	Bituminous	0.59 ~ 0.89	0.53 ~ 0.65
Decomposed Rock - 75% Rock, 25% Earth 50% Rock, 50% Earth 25% Rock, 75% Earth		2.0	1.75
		2.1	1.75
		2.2	1.65
Earth - Dry Wet Loam		1.8	1.4
		2.0	1.6
		1.54	1.25
Granite		2.8	1.6
Gravel		2.17	1.93
Gypsum		3.17	1.81
Hematite, iron ore		3.5	2.0
Limestone		2.8	1.6
Magnetite, iron ore		5.05	2.9
Peat	Dry	0.60 ~ 0.70	0.40 ~ 0.50
	Wet	1.80 ~ 2.00	1.10 ~ 1.20
Pyrite, iron ore		3.03	2.85
Sand - Dry Dump Wet		1.6	1.42
		1.9	1.69
		2.08	1.84
Sand & clay	Loose	2.02	1.6
	Compacted	—	2.4
Sand & gravel	Dry	1.93	1.72
	Wet	2.23	2.02
Sandstone		2.7	1.55
Slag		2.94	1.75
Snow	Dry	—	0.13
	Wet	—	0.52
Stone		2.67	1.6
Taconite		2.36 ~ 2.7	1.63 ~ 1.9
Top soil		1.37	0.95
Trap rock		2.50 ~ 2.70	1.60 ~ 1.80

Rock types and compressive strengths

○ No cracks □ Some cracks
 △ Few cracks × Many cracks



Trafficability

Efficient operation of a construction machine depends largely on the ground surface machine is travelling. In clay, loam or clayey soil with high water or moisture content, the bearing capacity of soil is low and a "kneading" phenomenon can occurred easily. Therefore, there are cases where a construction machine cannot be operated due to the soil type or ground condition.

The degree of construction machines' traveling capability is called trafficability, generally indicated by cone index number.

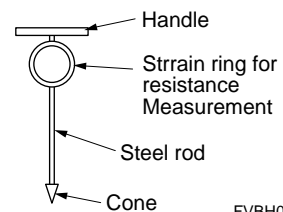
The larger the cone index number is, the higher the machine's trafficability becomes. In other words, a construction machine will be able to travel easier on a ground with larger cone index number.

Minimum cone index numbers required for various types of construction machines to perform digging, hauling, and other operations are as listed below.

Cone index number	Type of construction machine	Ground pressure (kg/cm ²)
Below 2	Ultra swamp bulldozer	0.15 ~ 0.25
2 ~ 4	Swamp bulldozer	0.2 ~ 0.3
4 ~ 5	Small-size bulldozer (D21 ~ D39)	0.3 ~ 0.5
5 ~ 7	Medium-size bulldozer (D51~D85)	0.5 ~ 0.6
7 ~ 10	Large-size bulldozer (D155 ~ D475)	0.7 ~ 1.2
10 ~ 13	Motor scraper	
15 & more	Dump truck	

NOTE:

In determining cone index, apply the cone penetrometer to at least 3 or 4 points to average the variations in the measurement.



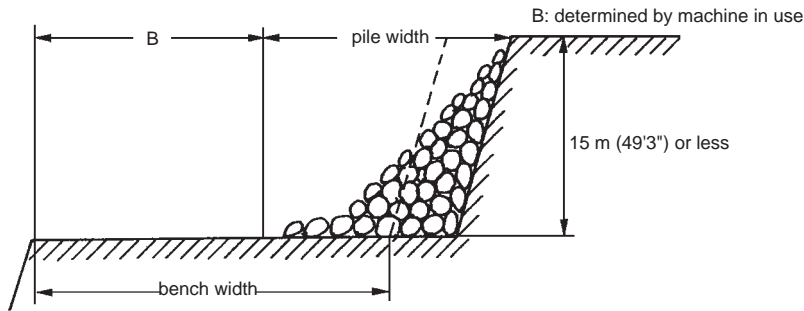
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*** Cone index numbers (qc)**

Cone index number is measured using a penetrometer, a rod with attached cone, in cone penetration test by pushing in into the ground by hand. The pressure required to advance the cone at controlled rate (known as penetration resistance), is then measured and can be read out on the dial gauge to estimate soil's shearing strength. Then the cone index number can be obtained by referring shearing strength to the conversion table attached to penetrometer.

1. Blasting and bench width

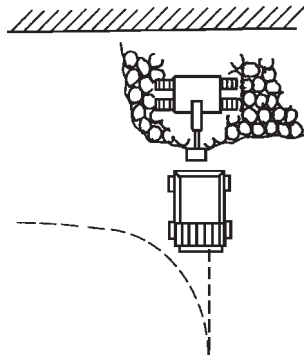
Minimum bench width should be at least twice the cutting face height.



2. Machine and bench width

(1)Hydraulic excavator loading to the dump truck

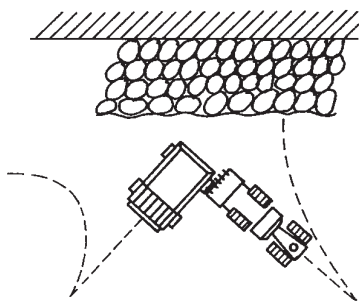
Bench width must be at least three times truck's minimum turning radius.



Model	Min. turning radius m (ft.in)	Bench width m (ft.in)
HD325-7/7R/8	7.2 (23'7")	22 (71')
HD405-7/7R	7.2 (23'7")	22 (71')
HD405-8	7.9 (25'11")	24 (78')
HD465-7/7R	8.5 (27'11")	26 (84')
HD465-8	8.7 (28'7")	26 (86')
HD605-7E0/7R	8.5 (27'11")	26 (84')
HD605-8	8.7 (28'7")	26 (86')
HD785-7	10.1 (33'2")	30 (99')
HD1500-7	12.2 (40'0")	37 (120')
HD1500-8	11.2 (36'9")	34 (110')
730E-8	13.6 (44'6")	41 (134')
830E-AC	14.2 (46'7")	43 (140')
860E-1K	15.5 (50'10")	47 (153')
930E-4/4SE	14.85 (48'9")	45 (146')
960E-2/2K	16 (52'6")	48 (157')
980E-4	16 (52'6")	48 (157')

(2)Wheel loader loading to the dump truck

Bench width must be at least three times loader's overall length.



Model	Wheel loader length m (ft.in)	Bench width m (ft.in)
WA470-6/6R	8.9 (29'3")	27 (88')
WA470-7	8.8 (28'9")	26 (87')
WA470-8	9.0 (29'6")	27 (89')
WA480-6/R	9.2 (30'1")	28 (91')
WA500-6/6R	9.8 (32'1")	29 (96')
WA500-7	9.8 (32'2")	29 (96')
WA500-8	9.9 (32'6")	30 (97')
WA600-6/6R	12.0 (39'4")	36 (118')
WA600-8	12.0 (39'4")	36 (118')
WA700-3	12.5 (41')	38 (123')
WA800-3E0	14.0 (45'10")	42 (138')
WA900-3E0	14.5 (47'7")	44 (143')
WA1200-6	18.3 (60'1")	55 (180')

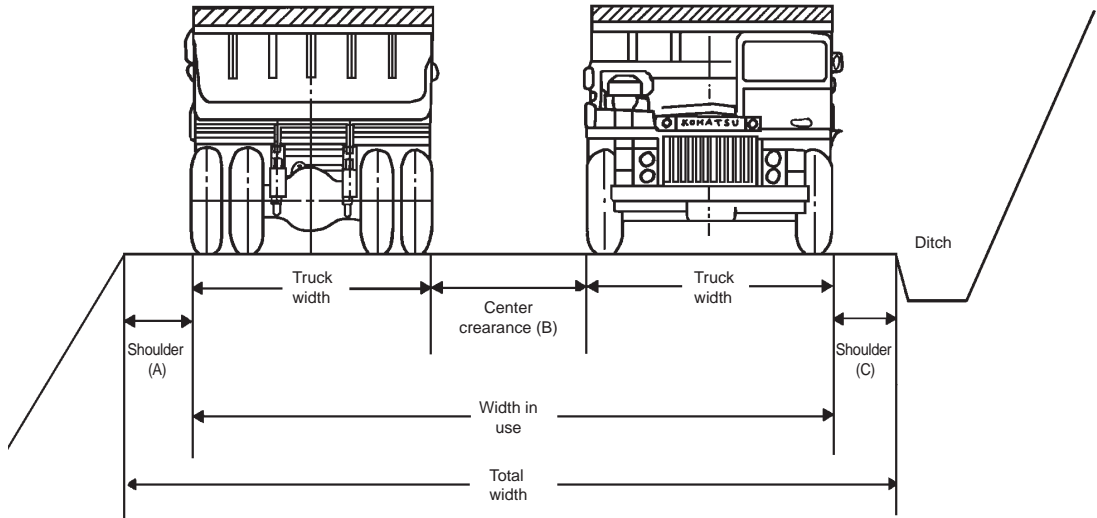
3. Haul road planning

(1) Dump truck width and haul road width

Haul road must have sufficient room to accommodate dump truck model running or will run in the site.

In order to accommodate one lane in each direction with trucks travels at 30 km/h (18.6 MPH), haul road width must be at least four times the truck width.

Dump truck width and haul road width



Model	Speed km/h (MPH)	Downhill shoulder (A) m (ft.in)	Center clearance (B) m (ft.in)	Uphill shoulder (C) m (ft.in)	Total road width m (ft.in)
HD325	20 (12.4)	2.0 (6'7")	3.0 (9'10")	1.5 (4'11")	13.8 (45'3")
Truck width	30 (18.6)	3.0 (9'10")	3.0 (9'10")	1.5 (4'11")	14.9 (48'11")
3.7 m (12'2")	40 (24.9)	3.0 (9'10")	3.5 (11'6")	2.0 (6'7")	15.9 (52'2")
HD405	20 (12.4)	2.0 (6'7")	3.0 (9'10")	1.5 (4'11")	13.8 (45'3")
Truck width	30 (18.6)	3.0 (9'10")	3.0 (9'10")	1.5 (4'11")	14.9 (48'11")
3.7 m (12'2")	40 (24.9)	3.0 (9'10")	3.5 (11'6")	2.0 (6'7")	15.9 (52'2")
HD465	20 (12.4)	3.0 (9'10")	3.0 (9'10")	1.5 (4'11")	16.7 (54'10")
Truck width	30 (18.6)	3.0 (9'10")	3.5 (11'6")	2.0 (6'7")	17.7 (58'1")
4.6 m (15'1")	40 (24.9)	3.5 (11'6")	3.5 (11'6")	2.5 (8'2")	18.7 (61'4")
HD605	20 (12.4)	3.0 (9'10")	3.0 (9'10")	1.5 (4'11")	16.7 (54'10")
Truck width	30 (18.6)	3.0 (9'10")	3.5 (11'6")	2.0 (6'7")	17.7 (58'1")
4.6 m (15'1")	40 (24.9)	3.5 (11'6")	3.5 (11'6")	2.5 (8'2")	18.7 (61'4")
HD785	20 (12.4)	3.5 (11'6")	3.5 (11'6")	2.5 (4'11")	20.5 (67'3")
Truck width	30 (18.6)	4.5 (14'9")	4.0 (13'1")	2.5 (6'7")	22.0 (72'2")
5.48 m (18'0")	40 (24.9)	4.5 (14'9")	4.5 (14'9")	3.0 (8'2")	23.0 (75'6")
HD1500	20 (12.4)	3.5 (11'6")	3.5 (11'6")	2.5 (8'2")	21.7 (71'2")
Truck width	30 (18.6)	4.5 (14'9")	4.0 (13'1")	2.5 (8'2")	23.2 (76'1")
6.1 m (20'0")	40 (24.9)	4.5 (14'9")	4.5 (14'9")	3.0 (9'10")	24.2 (79'5")

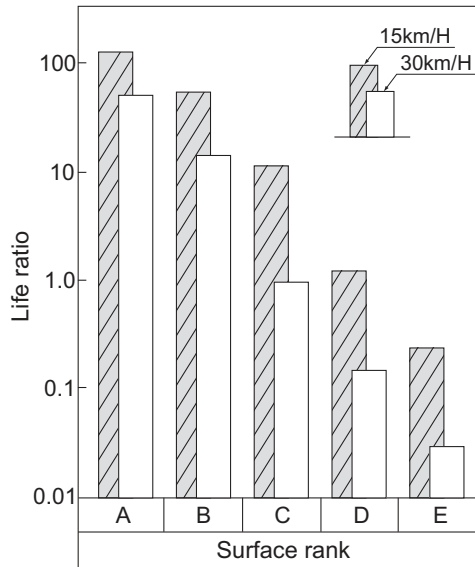
Model	Speed km/h (MPH)	Downhill shoulder (A) m (ft.in)	Center clearance (B) m (ft.in)	Uphill shoulder (C) m (ft.in)	Total road width m (ft.in)
730E-8	20 (12.4)	4.0 (13'1")	3.5 (11'6")	2.5 (8'2")	24.3 (79'8")
Truck width	30 (18.6)	5.0 (16'5")	4.0 (13'1")	2.5 (8'2")	25.8 (84'7")
7.15 m (23'6")	40 (24.9)	5.0 (16'5")	4.5 (14'9")	3.0 (9'10")	26.8 (87'11")
830E-AC	20 (12.4)	4.0 (13'1")	3.5 (11'6")	2.5 (8'2")	24.6 (80'7")
Truck width	30 (18.6)	5.0 (16'5")	4.0 (13'1")	2.5 (8'2")	26.1 (85'7")
7.29 m (23'11")	40 (24.9)	5.0 (16'5")	4.5 (14'9")	3.0 (9'10")	27.1 (88'10")
860E-1K	20 (12.4)	4.0 (13'1")	4.0 (13'1")	2.5 (8'2")	27.2 (89'1")
Truck width	30 (18.6)	5.0 (16'5")	4.5 (14'9")	2.5 (8'2")	28.7 (94'0")
8.33 m (27'4")	40 (24.9)	5.0 (16'5")	5.0 (16'5")	3.0 (9'10")	29.7 (97'4")
930E-4	20 (12.4)	4.0 (13'1")	4.0 (13'1")	2.5 (8'2")	27.9 (91'6")
Truck width	30 (18.6)	5.0 (16'5")	4.5 (14'9")	2.5 (8'2")	29.4 (96'5")
8.69 m (28'6")	40 (24.9)	5.0 (16'5")	5.0 (16'5")	3.0 (9'10")	30.4 (99'8")
960E-2	20 (12.4)	4.0 (13'1")	4.0 (13'1")	2.5 (8'2")	28.9 (94'10")
Truck width	30 (18.6)	5.0 (16'5")	4.5 (14'9")	2.5 (8'2")	30.4 (99'8")
9.19 m (30'2")	40 (24.9)	5.0 (16'5")	5.0 (16'5")	3.0 (9'10")	31.4 (103')
980E-4	20 (12.4)	4.0 (13'1")	4.5 (14'9")	2.5 (8'2")	31.0 (101'10")
Truck width	30 (18.6)	5.0 (16'5")	5.0 (16'5")	2.5 (8'2")	32.5 (106'8")
10.01 m (32'10")	40 (24.9)	5.0 (16'5")	5.5 (16'5")	3.0 (9'10")	33.5 (110')

(2)Haul road grade

For optimum fuel efficiency and safety (in case of slip, etc), road's grade ideally should be under 10%.

1. Road surface rank and vehicle life ratio

Bumpy road has a big effect to the main frame and tires endurance, fuel consumption, cycle time and also productivity. The following method is used as one of the evaluation index for evaluating haul road condition.

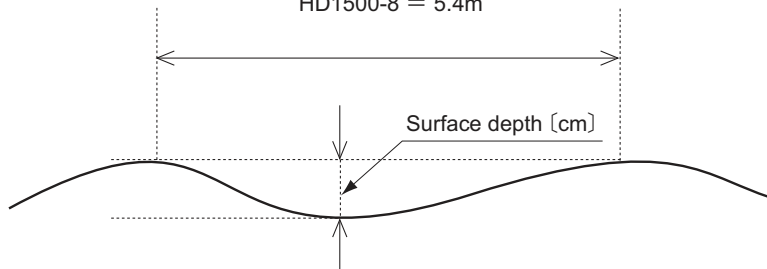


2. Determining road surface rank

Road surface rank is determined by measuring surface depth within the length of wheelbase.

Wheelbase

- HM300-5 = 4.1m
- HM350-2 = 4.35m
- HM400-5 = 4.35m
- HD325/405-8 = 3.75m
- HD465/605-8 = 4.3m
- HD785-7 = 4.95m
- HD1500-8 = 5.4m



Surface rank	A	B	C	D	E
Depth (cm)	2 or less	3~7	8~16	17~34	35 or more

3. Simple evaluation of road surface rank

Since it is difficult to measure surface depth over the entire course, a simplified evaluation method may be used, by driving a vehicle and evaluating surface rank based on the possible travel speed.

Example: If a passenger car can easily travel at 20 km/h or more, the surface rank is "A".

Surface rank	A	B	C	D	E
Passenger car	20 km/h or more	Less than 20 km/h	Less than 10 km/h	×	×
Jeep	40 km/h or more	Less than 40 km/h	Less than 20 km/h	Less than 10 km/h	×
Dump truck	40 km/h or more	Less than 40 km/h	Less than 30 km/h	Less than 20 km/h	Less than 10 km/h

OWNING & OPERATING COSTS Sec 16



SECTION **16**

OWNING & OPERATING COSTS

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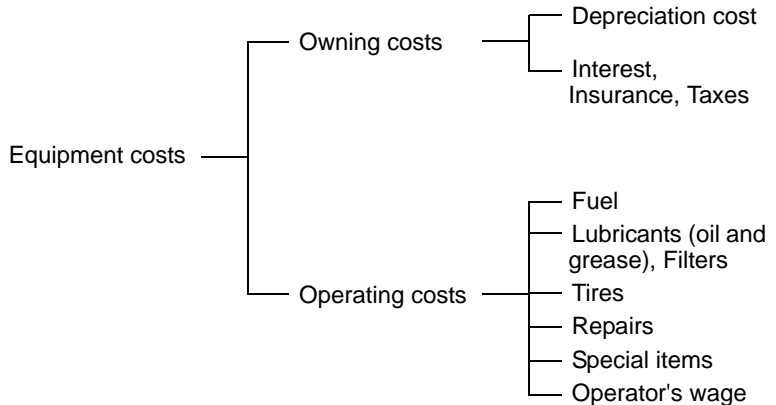
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Estimation of the Owning & Operating Costs

Along with the trend for mechanization adopted for economical and satisfactory job accomplishment, equipment costs now occupy a large proportion of the overall construction cost. Therefore, the estimation of the equipment costs has become more important. Success or failure in a contract for a construction job is virtually dependent on the estimates of the equipment costs. In other words, careful consideration of the equipment costs is of prime importance, if a contractor is to fulfill the contract at a profit. Unless estimates are made properly, there will occur cases where a construction job cannot be accomplished at a profit.

There are two types of equipment costs: owning costs and operating costs. Owning costs refer to the costs incurred even if the machine is not working. They include depreciation, interest, taxes and insurance. Operating costs are the costs incurred in actually operating the machine. They include costs for repair, fuel, lubricants, tires, special items (consumable parts such as ground engaging tool) and operator's wages.



We would like to explain **one method** of estimating the owning and operating costs of construction equipment in this handbook.

The owning and operating costs of construction equipment can vary widely because they are influenced by many factors: the type of work the machine does, local prices of material, labor, fuel and lubricants, interest rates, etc. Accordingly it is very dangerous to estimate the costs relying entirely on an established form of calculation method.

In this Manual, however, we will make approximate estimates of general application of the equipment costs. Accordingly, if users want more accurate values of the costs, we hope that they will make estimates by taking into account their own reference data and territorial or environmental conditions.

Depreciation period, and repair and periodic maintenance cost are especially affected by specific application and type of work. Therefore, if you need those data, we suggest that you contact the local Komatsu distributor with necessary information.

The equipment owning and operating costs are calculated in units of \$/m³, \$/m² or \$/h, etc., depending on the type of construction work. The costs in \$/m³ or \$/m² are obtained by dividing the cost in \$/h by production (m³/h) and thus, it is recommended that the owning and operating costs be calculated in the unit of \$/h as generally accepted.

1. Owning cost

The equipment owning cost is the expense required, as a matter of course, for the purchase and possession of the equipment as a property of its owner and consists of the following two items.

- (1) Depreciation**
- (2) Interest, insurance and taxes**

1-1. Depreciation

In general, depreciation is a tax term referring to the legally permitted decline in value from the original purchase price of equipment, and is an assessable property (expressed in units of years). Depreciation referred to herein is a business practice for conserving the investment in the form of purchased equipment, in other words, for making preparations in a systematic manner for the fund necessary for replacing the existing equipment with new or any other equipment.

$$\text{Depreciation} = \frac{\text{Net Depreciation Value}}{\text{Depreciation Period in Hours}}$$

Net depreciation value means Original purchase price minus Resale or Trade-in price.

The depreciation period varies considerably according to the equipment operating conditions. It is also affected by the speed of fund collection desired by the user, environmental and economic conditions in its applied territory. Furthermore, it goes without saying that maintenance of equipment is a significant

factor in determining the economical life of the equipment. Proper maintenance will extend the life of equipment. On the other hand, poor or improper maintenance will shorten the life. There is the legal depreciation period in each country for tax purpose. However, in the business, it is rather usual to employ the equipment owning period as the depreciation period. The equipment owning period is strongly affected by the economical life of the equipment (Years or hours for which the equipment can be used gainfully).

When you need to estimate the value of the economical life for a specific product, please consult your distributor or Komatsu representative. They can suggest you with the appropriate values from their experience and the data they have. (The former handbook contained the depreciation period, but they are removed because the straight numbers sometimes mislead the readers.)

The net depreciation value is the net amount to be considered in the depreciation of equipment.

In case of crawler-type tractors, their purchase prices are used to calculate the net depreciation value. In wheel type equipment, their tire values should be deducted from the purchase prices, because, unlike the undercarriages of crawler-type equipment, tires wear out earlier than the equipment chassis proper, and tires are not cheap. Further, there is a possibility of tires becoming unserviceable suddenly in unexpected accidents. Hence, it is necessary in tire depreciation to include their degrees of wear into the operating cost.

Resale or trade-in values

At the time of resale or trade-in, construction machines have a value.

Some users will hope that in terms of book value the machine will depreciate completely within the depreciation period. Other users will hope that the residual value expressed as resale value or trade-in value will be left. For these users the resale value or trade-in value is an important factor in reducing the capital invested. This value is also a factor when deciding to purchase a new machine.

The resale value or trade-in value changes greatly according to the territory. Therefore the conditions in that territory must be considered when determining these values. However, major factors in deciding resale value or trade-in value are the hours of operation, nature of work and working environment. The real resale value or trade-in value cannot be decided simply, but when a realistic value is decided it is subtracted from the purchase price to give the Net Depreciation value. It is then possible to obtain the depreciation from the Net Depreciation Value.

1-2. Interest, insurance and taxes

Whether or not purchased equipment is actually in operation, its users must pay interest, insurance and taxes. Interest refers to the interest on the investment, when the investment is covered by the user's own fund or to the interest on the debt, when the investment is covered by a debt. In either case, the interest will be an equal amount.

Insurance and taxes are imposed on the annual residual values of the equipment, which requires knowledge of depreciation as prescribed by the tax law. The depreciation rate or the depreciation period (whether it is a fixed amount or a fixed rate) vary according to the country. For the correct values of insurance and taxes on the residual value in a country, the calculation formulas established in that country must be used.

Interest, insurance and taxes are imposed on the residual value that is the difference between the purchase price and the depreciated amount. This residual value decreases every year. However, when the user calculates owning & operating costs, it is convenient to consider interest, insurance and taxes as a constant amount paid out each year. For this reason, the machine will be considered here to depreciate by a constant annual amount. A calculation is made of the average value of the residual value at the beginning of each year within the depreciation period, and interest, insurance and taxes are imposed on this value. By dividing this value by the number of hours the user expects to operate the machine in one year, the hourly value can be calculated.

This can be calculated by using the following formula.

$$\text{Interest, insurance, tax} = \frac{\text{Factor} \times \text{Delivered price} \times \text{Annual rates}}{\text{Annual use in hours}}$$

The annual rates are the total of those of interest, insurance and tax.
The factor can be obtained by using Table 1 or can be calculated by the following formula.

$$\text{Factor} = 1 - \frac{(n-1)(1-r)}{2n}$$

where **n**: Depreciation period

$$r: \text{Trade-in value rate} = \frac{\text{Machine worth at trade-in or resale time}}{\text{Delivered price}}$$

(Example)

Delivered price: \$100,000

Annual rates: 15%

Annual use in hours: 2,000 hrs

Trade-in value: \$25,000

Depreciation period (n) : 4 years

Solution

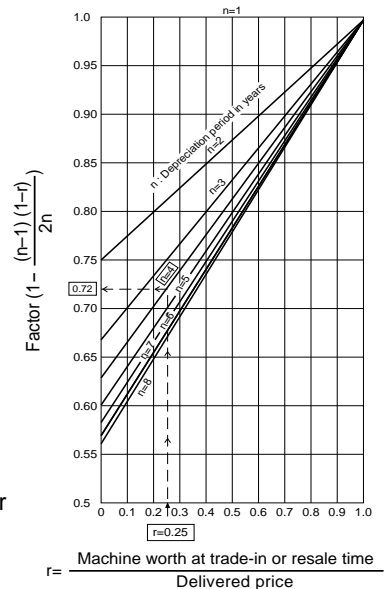
$$r = \frac{25,000}{100,000} = 0.25$$

$$\text{Factor} = 1 - \frac{(4 - 1)(1 - 0.25)}{2 \times 4} = 0.72$$

When obtaining the factor by using Table 1.
Enter $r = 0.25$ in Table 1
Move vertically to $n = 4$ line and horizontally to left axis.
Applicable factor is 0.72

$$\text{Interest, insurance, tax} = \frac{0.72 \times \$100,000 \times 0.15}{2,000} = \mathbf{\$3.59}$$

Table 1 Factor of Interest, Insurance, Taxes



2. Operating cost

The equipment operating costs are proportional to the time that the equipment works. Items considered in this category are as follows:

- (1) Fuel
- (2) Lubricants (oil and grease), Filters and Periodic Maintenance Labor
- (3) Tires
- (4) Repair Cost
- (5) Special items (Ground engaging tools)
- (6) Operator's wage

2-1. Fuel

More definite fuel consumption data should be measured in the field.

It is possible, however, to anticipate the actual or approximate consumption values according to the actual operating conditions without measuring the consumption. **Table 3** gives the hourly fuel consumption values for KOMATSU construction machines. In this table, the average values are given, provided that the job conditions are classified into three different ranges of application. If a user has data on certain operating conditions, more correct or realistic values will be obtained by applying these data in similar operating conditions, provided that the equipment is limited to the same type as that used in the user's data.

To estimate hourly fuel cost, select the job condition based on application and find hourly fuel consumption.

$$\text{Hourly fuel cost} = \text{Hourly fuel consumption} \times \text{Local unit price of fuel}$$

2-2. Lubricants (oil and grease), filters and periodic maintenance labor

It is possible to measure the consumption of lubricants and grease in the same manner as the fuel consumption. The consumption values of lubricants and grease are also obtained by calculation on the basis of lubrication intervals, but they are affected greatly by the type of machines and their operating conditions, which makes it difficult to specify the consumption suited for various machines and their operating conditions. **Table 4** gives the data based on the oil use per hour for your reference.

$$\text{Hourly Lubricant Consumption} = \text{Oil replacement amount (liter)} \div \text{Oil change interval (hour)}$$

Prices of lubricants vary in countries or areas and, therefore, the local price (price in that country or area) should be used.

In KOMATSU construction machines, filter replacement intervals are standardized for each machine model. Thus, the cost of filter can be calculated from the local price of filter and the replacement interval. The hourly filter cost is the total of the hourly costs for each type of filter.

(Example)

$$\text{Hourly cost of filter A} = \frac{\text{Number of filters A} \times \text{Local price of filter A}}{\text{Replacement interval of filter A}}$$

The same method is used for calculating the hourly filter cost of other filters. For quick estimation, hourly filter costs are about 50% of hourly lubricant costs. If they are used in the dusty terrain, the calculated value should be multiplied by a proper factor.

If necessary, we suggest you to contact the local Komatsu distributor with necessary information to get the assistance for estimating them.

2-3. Tires

As has been described in Depreciation, tires are in the category of consumable parts and tires are generally expensive. Therefore, it is better to include the tire cost as an individual item in the operating costs. Tire cost is calculated by the following formula.

$$\text{Hourly tire cost} = \frac{\text{Tire price}}{\text{Estimated life}}$$

As tire prices vary in each country or area, the price of tires actually bought by a user should be applied. It is difficult to indicate definitely the tire life, because the tire life is affected by many factors. However, the general measurements for the life expectancy of tires can be indicated on the basis of past experience and data obtained from the tire manufacturers.

In this table, the approximate life values are given for three different types of conditions. The optimum value for a certain ground condition is one of those obtained by a user in experience on similar ground conditions. When recapped tires are to be used, their prices and life expectancy must be changed correspondingly.

2-4. Repair cost

Components or parts of a machine will in due course wear and sometimes fail. To keep a machine in a properly maintained condition, these components or parts must be replaced. It is natural for the repair cost of a machine to start from a small amount and gradually increase with time as the machine is operated. The repair cost of a machine can be estimated actually as described above with respect to the machine operating time. However, in general, repair cost is considered as an average of total repair costs throughout the service life of a machine. In other words, it is based on the concept that part of repair cost to be paid later should be laid aside in advance.

Repair costs are more greatly affected by the machine operating conditions than by any other cost items. It depends greatly on the job, operating techniques or operator's skill, proper maintenance, etc. In a specific job application, calculation for repair cost should be made on the basis of the data accumulated in the past. If such data are not available, the calculation should be made with due consideration of experience.

Repair Cost are affected by specific application and type of work as well. Therefore, we suggest that you contact the local Komatsu distributor with necessary information for the repair cost estimation.

2-5. Special items (Ground engaging tools)

In the objects of repair, the repair costs include the machine and its attachments. Some parts of a machine wear faster than others. These parts are the ground engaging tools and not included in the category of repair but in a group of special items. Life expectancy of ripper points, ripper shanks and shank protector is given in following table.

Approximate Usable Hours of Special Items

Item	Easy Range	Medium Range	Severe Range
Ripper Point	150	30	15
Shank Protector	1,500	450	150
Shank	7,000	3,500	2,000

2-6. Operator wages

Operator hourly wages vary according to the country and area. Thus, the wages actually paid by users should be used.

3. Example of calculation

PC200 is delivered for \$92,811 at a job site.

Applications:

Mass excavation or trenching where machine digs all the time in natural bed clay soils. Some traveling and steady, full throttle operation.

Net Depreciation Value

Since the machine is a crawler-type, tires are not involved. This owner knows from experience that at trade-in time, the machine will be worth approximately 10% of its delivered price 4 years from now.

Trade-in value is \$9,281

Net depreciation value = \$92,811 – \$9,281 = \$83,530

Owning cost

Depreciation:

Putting 10,000 hours as the example depreciation period.

$$\text{Depreciation} = \frac{\$83,530}{10,000} = \$8.35$$

Interest, Insurance, Taxes

Owner plans to use machine during 4 years and about 2,500 hours per year.

$$\text{Trade-in value rate}(r) = \frac{\$9,281}{\$92,811} = 0.1$$

Calculate the Factor according to depreciation period and trade-in value rate, which is 0.66.

Enter the annual rates of interest, insurance and taxes and total them, which is 0.14 as an example.

$$\text{Interest, insurance, taxes cost} = \frac{0.66 \times \$92,811 \times 0.14}{2,500} = \$3.43$$

Add up the depreciation cost and interest, insurance, taxes cost for total owning.

Operating cost

Fuel: See Table 3.

The intended application is in medium range. The estimated fuel consumption from table is 12.5 liter/hour.

Cost of fuel in this area is \$0.2/liter.

$$\text{Consumption} \times \text{Unit cost} = 12.5 \text{ liter/hr} \times \$0.2/\text{liter} = \$2.5$$

Lubricants, Filters and Periodic Maintenance labor:

Use local Komatsu distributor's estimation. (For calculation example: use \$0.39)

Tires are not involved, since the machine is crawler type.

Repair Cost

Use local Komatsu distributor's estimation. (For calculation example: use \$3.30)

Repairs = \$3.30

Since the machine does not have fast wear parts like ripper points of bulldozer or cutting edge of motor grader, special item can be disregarded.

Operator hourly wage in this area is \$16.00.

Add up the fuel cost, lubricant grease filter costs, repair cost and operator's hourly wage for operating cost.

Total hourly owning and operating costs

Add up the total owning cost and total operating cost.

Estimation of The Owning & Operating Costs

OWNING & OPERATING COSTS

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Estimated Owning and Operating Costs :

Machine & Model : _____
 Attachments : _____
 Delivered Price (including attachments) : _____
 Less Tire Price :
 Front : _____
 Rear : _____
 Total Tire Price : _____
 Delivered Price Less Tire : _____
 Trade-in Value or Resale Value (optional) : _____
 Net Depreciation Value : _____

Owning costs

Depreciation :

$$\frac{\text{Net Depreciation Value}}{\text{Depreciation Period in Hours}} = \text{_____} = \text{_____}$$

Interest, Insurance, Taxes :

Depreciation Period : _____ Years

$$\text{Trade-in value rate (r)} = \frac{\text{Trade-in Value or Resale Value}}{\text{Delivered Price}} = \text{_____} = \text{_____}$$

$$\text{Factor} = 1 - \frac{(n - 1)(1 - r)}{2n} = \text{_____}$$

Annual Rates : (Int. _____ % + Ins. _____ % + Taxes _____ % = _____ %) ÷ 100 =

Approximate Annual Use : _____ Hours

$$\frac{\text{Factor} \times \text{Delivered Price} \times \text{Annual Rates}}{\text{Annual Use in Hours}} = \text{_____} \times \text{_____} = \text{_____}$$

Total Owning Costs _____

Operating costs

Consumption

Unit cost

Fuel : _____ x _____ = _____

Lubricants, Filters and Periodic Maintenance Labor

(Ask your local Komatsu distributor)

Tires

$$\frac{\text{Tire Price}}{\text{Estimated Life}} = \text{_____} = \text{_____}$$

Repair Cost

(Ask your local Komatsu distributor)

Special items _____

Operator's Hourly Wage _____

Total Operating Costs : _____

Total hourly owning and operating costs

Estimation of The Owinging & Operating Costs

OWNING & OPERATING COSTS

The following tables show application and operating conditions in three categories. Condition 1 is the light duty for machine, conditions 2 is the average and Condition 3 is the severe duty. It is the guide line and can be used with fuel and tire life tables to assist to select fuel and tire costs.

Table 2-1 Application and Operating Conditions

	Condition 1	Condition 2	Condition 3
Crawler type tractors	<ul style="list-style-type: none"> • Pulling scrapers, agricultural implements. • Spreading work. 	<ul style="list-style-type: none"> • Digging, dozing, ripping of soft rock, clay, most material. • Scraper pushing • Skidding • Land clearing 	<ul style="list-style-type: none"> • Digging, dozing, ripping of hard rock.
Dozer shovels	<ul style="list-style-type: none"> • Loading of light material from stock pile with substantial Idle time. 	<ul style="list-style-type: none"> • Continuous loading from stock pile. • Light excavation and loading. 	<ul style="list-style-type: none"> • Bank excavation and loading. • Loading of blasted material.
Pipelayers	<ul style="list-style-type: none"> • Operation on stable ground, a little incline of machine. 	<ul style="list-style-type: none"> • Mainly pipe laying operation. 	<ul style="list-style-type: none"> • Operation on poor ground, or on hard rock.
Hydraulic excavators	<ul style="list-style-type: none"> • Slope finishing, light material digging, and other light-duty operation. 	<ul style="list-style-type: none"> • Mainly excavating and loading. • Breaker operation. 	<ul style="list-style-type: none"> • Excavation of hard bank.

Table 2-2 Application and Operating Conditions

	Condition 1	Condition 2	Condition 3
Rigid dump trucks	<ul style="list-style-type: none"> • Level or favorable well-maintained haul road. 	<ul style="list-style-type: none"> • Various operation at mine, quarry and construction site. 	<ul style="list-style-type: none"> • Remarkable overloading • Steep or rough (poor) haul roads. • High load factor. (See Fuel Consumption in this section)
Articulated dump trucks	<ul style="list-style-type: none"> • Level or favorable well-maintained haul road. 	<ul style="list-style-type: none"> • Steep, rough or muddy haul condition 	<ul style="list-style-type: none"> • Remarkable overloading • Remarkable steep, rough or muddy haul road
Motor graders	<ul style="list-style-type: none"> • Finishing and other light-duty operations. 	<ul style="list-style-type: none"> • Mainly road maintenance, repair and construction. • Snow removal 	<ul style="list-style-type: none"> • Maintenance or repair of hard surface road, remarkable scarifying and or ripping operation.
Compactors	<ul style="list-style-type: none"> • Spreading and compaction of sandy soil. 	<ul style="list-style-type: none"> • Spreading and compaction of various types of soil with some rocks. • Break-down of comparatively small wooden items. 	<ul style="list-style-type: none"> • Spreading and compaction of rocky material, high impact conditions. • Break-down of lumber, electrical equipment, industrial products.
Wheel loaders	<ul style="list-style-type: none"> • Loading of light material from stock pile • Operation with substantial truck waiting time. 	<ul style="list-style-type: none"> • Continuous loading from stock pile • Light-duty excavation and loading. 	<ul style="list-style-type: none"> • Bank excavation and loading. • Loading of blasted rock.
Wheel dozers	<ul style="list-style-type: none"> • Light surface finishing • Spreading light material 	<ul style="list-style-type: none"> • Average surface finishing • Digging and dozing soft earth 	<ul style="list-style-type: none"> • Digging and dozing hard earth

Table 3 Hourly Fuel Consumption

Construction
(1) Bulldozers

Machine	Range Amount	Low		Medium		High	
		U.S. Gal/hr.	ltr./hr.	U.S. Gal/hr.	ltr./hr.	U.S. Gal/hr.	ltr./hr.
D21A, P-8E0		0.4 ~ 0.85	1.6 ~ 3.2	0.85 ~ 1.3	3.2 ~ 4.8	1.3 ~ 1.7	4.8 ~ 6.4
D31EX, PX-22		0.9 ~ 1.8	3.3 ~ 6.7	1.8 ~ 2.6	6.7 ~ 10.0	2.6 ~ 3.5	10.0 ~ 13.3
D37EX, PX-22		1.0 ~ 2.0	3.8 ~ 7.6	2.0 ~ 3.0	7.6 ~ 11.4	3.0 ~ 4.0	11.4 ~ 15.1
D37EX, PX-23		0.9 ~ 1.8	3.4 ~ 6.8	1.8 ~ 2.7	6.8 ~ 10.2	2.7 ~ 3.6	10.2 ~ 13.6
D37EX, PX-24		0.9 ~ 1.8	3.4 ~ 6.8	1.8 ~ 2.7	6.8 ~ 10.2	2.7 ~ 3.6	10.2 ~ 13.6
D39EX, PX-22		1.2 ~ 2.4	4.5 ~ 8.9	2.4 ~ 3.5	8.9 ~ 13.4	3.5 ~ 4.7	13.4 ~ 17.9
D39EX, PX-23		1.1 ~ 2.1	4.0 ~ 8.0	2.1 ~ 3.2	8.0 ~ 12.1	3.2 ~ 4.3	12.1 ~ 16.1
D39EX, PX-24		1.1 ~ 2.1	4.0 ~ 8.0	2.1 ~ 3.2	8.0 ~ 12.1	3.2 ~ 4.3	12.1 ~ 16.1
D51EX, PX-22		1.4 ~ 2.8	5.2 ~ 10.5	2.8 ~ 4.1	10.5 ~ 15.7	4.1 ~ 5.5	15.7 ~ 21.0
D51EX, PX-24		1.2 ~ 2.5	4.7 ~ 9.5	2.5 ~ 3.7	9.5 ~ 14.1	3.7 ~ 5.0	14.1 ~ 18.9
D61EX, PX-15E0		1.7 ~ 3.4	6.4 ~ 12.9	3.4 ~ 5.1	12.9 ~ 19.3	5.1 ~ 6.8	19.3 ~ 25.7
D61EX, PX-23		1.5 ~ 3.1	5.8 ~ 11.6	3.1 ~ 4.6	11.6 ~ 17.4	4.6 ~ 6.1	17.4 ~ 23.2
D61EX, PX-23M0		1.7 ~ 3.3	6.3 ~ 12.6	3.3 ~ 5.0	12.6 ~ 18.9	5.0 ~ 6.7	18.9 ~ 25.2
D61EX, PX-24		1.5 ~ 3.1	5.8 ~ 11.6	3.1 ~ 4.6	11.6 ~ 17.4	4.6 ~ 6.1	17.4 ~ 23.2
D63E-12		1.8 ~ 3.7	6.9 ~ 13.9	3.7 ~ 5.5	13.9 ~ 20.8	5.5 ~ 7.3	20.8 ~ 27.7
D65E, P-12		2.1 ~ 4.1	7.8 ~ 15.6	4.1 ~ 6.2	15.6 ~ 23.4	6.2 ~ 8.2	23.4 ~ 31.1
D65EX, PX, WX-16		1.8 ~ 3.6	6.9 ~ 13.8	3.6 ~ 5.5	13.8 ~ 20.7	5.5 ~ 7.3	20.7 ~ 27.6
D65EX, PX, WX-17		1.8 ~ 3.6	6.9 ~ 13.8	3.6 ~ 5.5	13.8 ~ 20.7	5.5 ~ 7.3	20.7 ~ 27.6
D65EX, PX, WX-18		1.8 ~ 3.6	6.9 ~ 13.8	3.6 ~ 5.5	13.8 ~ 20.7	5.5 ~ 7.3	20.7 ~ 27.6
D68ESS-12		1.8 ~ 3.7	6.9 ~ 13.9	3.7 ~ 5.5	13.9 ~ 20.8	5.5 ~ 7.3	20.8 ~ 27.7
D85ESS-2,2A		2.2 ~ 4.4	8.4 ~ 16.8	4.4 ~ 6.7	16.8 ~ 25.2	6.7 ~ 8.9	25.2 ~ 33.6
D85EX,PX-15E0		2.5 ~ 5.1	9.6 ~ 19.2	5.1 ~ 7.6	19.2 ~ 28.8	7.6 ~ 10.1	28.8 ~ 38.4
D85EX,PX-15R		2.5 ~ 4.9	9.4 ~ 18.7	4.9 ~ 7.4	18.7 ~ 28.1	7.4 ~ 9.9	28.1 ~ 37.5
D85EX,PX-18		2.4 ~ 4.8	9.1 ~ 18.2	4.8 ~ 7.2	18.2 ~ 27.4	7.2 ~ 9.6	27.4 ~ 36.5
D155A-6		3.3 ~ 6.6	12.5 ~ 25.0	6.6 ~ 9.9	25.0 ~ 37.5	9.9 ~ 13.2	37.5 ~ 50.0
D155AX-6		3.0 ~ 6.0	11.4 ~ 22.8	6.0 ~ 9.0	22.8 ~ 34.2	9.0 ~ 12.0	34.2 ~ 45.6
D155AX-7		3.0 ~ 6.0	11.4 ~ 22.8	6.0 ~ 9.0	22.8 ~ 34.2	9.0 ~ 12.0	34.2 ~ 45.6
D155AX-8		3.0 ~ 6.0	11.4 ~ 22.8	6.0 ~ 9.0	22.8 ~ 34.2	9.0 ~ 12.0	34.2 ~ 45.6
D275A, AX-5E0		7.7 ~ 10.9	29.2 ~ 41.3	10.9 ~ 14.1	41.3 ~ 53.5	14.1 ~ 17.4	53.5 ~ 65.7
D275A-5R		7.6 ~ 10.8	28.8 ~ 40.8	10.8 ~ 13.9	40.8 ~ 52.8	13.9 ~ 17.1	52.8 ~ 64.8
D375A-6		11.3 ~ 16.0	42.8 ~ 60.6	16.0 ~ 20.7	60.6 ~ 78.5	20.7 ~ 25.4	78.5 ~ 90.4
D375A-6R		10.4 ~ 14.7	39.2 ~ 55.6	14.7 ~ 19.0	55.6 ~ 71.9	19.0 ~ 23.3	71.9 ~ 88.3
D375A-8		10.7 ~ 15.2	40.7 ~ 57.6	15.2 ~ 19.7	57.6 ~ 74.6	19.7 ~ 22.6	74.6 ~ 85.5
D475A-5E0,D475ASD-5E0		15.5 ~ 21.9	58.5 ~ 82.9	21.9 ~ 28.3	82.9 ~ 107.3	28.3 ~ 34.8	107.3 ~ 131.7
D575A-3		20.2 ~ 28.7	76.6 ~ 108.5	28.7 ~ 37.1	108.5 ~ 140.4	37.1 ~ 45.5	140.4 ~ 172.3
D575ASD-3		22.0 ~ 31.2	83.4 ~ 118.1	31.2 ~ 40.4	118.1 ~ 152.9	40.4 ~ 49.6	152.9 ~ 187.6

Low: Work where machine spend most of daily working hours idling or traveling with no load.

Medium: Average earth moving, scraper hauling, easy pushing
Object materials; Not hard to dig

High: Ripping, heavy pushing
Continuous use with engine at full throttle
Object materials; Blasted rock

(2) Pipelayers

Machine	Range Amount	Low		Medium		High	
		U.S. Gal/hr.	ltr./hr.	U.S. Gal/hr.	ltr./hr.	U.S. Gal/hr.	ltr./hr.
D85C-21		2.4 ~ 3.2	9 ~ 12	3.4 ~ 4.2	13 ~ 16	4.2 ~ 5.0	16 ~ 19
D155C-1		3.4 ~ 4.5	13 ~ 17	5.3 ~ 6.3	20 ~ 24	6.9 ~ 7.9	26 ~ 30
D355C-3		4.2 ~ 5.3	16 ~ 20	5.8 ~ 6.9	22 ~ 26	7.4 ~ 8.5	28 ~ 32

Construction

(3) Hydraulic excavators

Machine	Range	Low		Medium		High	
	Amount	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr
PC20MR-3	0.21 ~ 0.29	1.1 ~ 1.6	0.29 ~ 0.45	1.6 ~ 2.3	0.45 ~ 0.77	2.3 ~ 3.9	
PC30MR-3	0.37 ~ 0.53	1.4 ~ 2.0	0.53 ~ 0.77	2.0 ~ 2.9	0.77 ~ 1.29	2.9 ~ 4.9	
PC30MR-5	0.34 ~ 0.48	1.3 ~ 1.8	0.48 ~ 0.71	1.8 ~ 2.7	0.71 ~ 1.22	2.7 ~ 4.6	
PC35MR-3	0.34 ~ 0.50	1.3 ~ 1.9	0.50 ~ 0.77	1.9 ~ 2.9	0.77 ~ 1.27	2.9 ~ 4.8	
PC35MR-5	0.32 ~ 0.48	1.2 ~ 1.8	0.48 ~ 0.71	1.8 ~ 2.7	0.71 ~ 1.16	2.7 ~ 4.4	
PC45MR-3	0.48 ~ 0.69	1.8 ~ 2.6	0.69 ~ 1.00	2.6 ~ 3.8	1.00 ~ 1.69	3.8 ~ 6.4	
PC45MR-5	0.45 ~ 0.63	1.7 ~ 2.4	0.63 ~ 0.98	2.4 ~ 3.7	0.98 ~ 1.61	3.7 ~ 6.1	
PC55MR-3	0.48 ~ 0.69	1.8 ~ 2.6	0.69 ~ 1.03	2.6 ~ 3.9	1.03 ~ 1.74	3.9 ~ 6.6	
PC55MR-5	0.45 ~ 0.66	1.7 ~ 2.5	0.66 ~ 0.98	2.5 ~ 3.7	0.98 ~ 1.64	3.7 ~ 6.2	
PC60-8	0.6 ~ 0.9	2.4 ~ 3.4	0.9 ~ 1.4	3.4 ~ 5.2	1.4 ~ 2.3	5.2 ~ 8.6	
PC70-8	0.8 ~ 1.1	2.9 ~ 4.1	1.1 ~ 1.6	4.1 ~ 6.1	1.6 ~ 2.7	6.1 ~ 10.2	
PC78US-8, PC78UU-8	0.6 ~ 0.9	2.4 ~ 3.5	0.9 ~ 1.4	3.5 ~ 5.2	1.4 ~ 2.3	5.2 ~ 8.7	
PC78US-10	0.6 ~ 0.9	2.3 ~ 3.3	0.9 ~ 1.3	3.3 ~ 5.0	1.3 ~ 2.2	5.0 ~ 8.3	
PC88MR-8	0.8 ~ 1.1	2.9 ~ 4.1	1.1 ~ 1.6	4.1 ~ 6.1	1.6 ~ 2.7	6.1 ~ 10.2	
PC110-7	1.1 ~ 1.6	4.1 ~ 5.9	1.6 ~ 2.3	5.9 ~ 8.8	2.3 ~ 3.9	8.8 ~ 14.6	
PC130, PC130F-7	1.1 ~ 1.6	4.1 ~ 5.9	1.6 ~ 2.3	5.9 ~ 8.8	2.3 ~ 3.9	8.8 ~ 14.6	
PC130-8	1.1 ~ 1.5	4.1 ~ 5.8	1.5 ~ 2.3	5.8 ~ 8.7	2.3 ~ 3.8	8.7 ~ 14.5	
PC138US, PC130USLC-10	1.0 ~ 1.4	3.8 ~ 5.4	1.4 ~ 2.1	5.4 ~ 8.1	2.1 ~ 3.6	8.1 ~ 13.5	
PC130USLC-11	1.0 ~ 1.3	3.6 ~ 5.1	1.3 ~ 2.0	5.1 ~ 7.7	2.0 ~ 3.4	7.7 ~ 12.8	
PC138US-8	1.1 ~ 1.5	4.0 ~ 5.7	1.5 ~ 2.3	5.7 ~ 8.6	2.3 ~ 3.8	8.6 ~ 14.3	
PC160LC-8	1.3 ~ 1.9	5.1 ~ 7.3	1.9 ~ 2.9	7.3 ~ 11.0	2.9 ~ 4.8	11.0 ~ 18.3	
PC170LC-10	1.2 ~ 1.7	4.6 ~ 6.6	1.7 ~ 2.6	6.6 ~ 9.9	2.6 ~ 4.4	9.9 ~ 16.5	
PC170LC-11	1.2 ~ 1.7	4.5 ~ 6.5	1.7 ~ 2.6	6.5 ~ 9.7	2.6 ~ 4.3	9.7 ~ 16.1	
PC200, LC-8	1.6 ~ 2.2	5.9 ~ 8.5	2.2 ~ 3.4	8.5 ~ 12.7	3.4 ~ 5.6	12.7 ~ 21.2	
PC200, LC-8M0	1.4 ~ 2.0	5.4 ~ 7.7	2.0 ~ 3.1	7.7 ~ 11.6	3.1 ~ 5.1	11.6 ~ 19.3	
PC210, LC-10	1.4 ~ 2.0	5.3 ~ 7.6	2.0 ~ 3.0	7.6 ~ 11.4	3.0 ~ 5.0	11.4 ~ 19.0	
PC210, LC-10M0	1.4 ~ 1.6	4.3 ~ 6.2	1.6 ~ 2.5	6.2 ~ 9.3	2.5 ~ 4.1	9.3 ~ 15.4	
PC210, LC-11	1.3 ~ 1.9	5.0 ~ 7.1	1.9 ~ 2.8	7.1 ~ 10.7	2.8 ~ 4.7	10.7 ~ 17.8	
HB205-1M0, 215LC-1M0	1.3 ~ 1.8	4.8 ~ 6.9	1.8 ~ 2.7	6.9 ~ 10.3	2.7 ~ 4.5	10.3 ~ 17.2	
HB215LC-2	1.2 ~ 1.8	4.7 ~ 6.7	1.8 ~ 2.7	6.7 ~ 10.1	2.7 ~ 4.5	10.1 ~ 16.9	
HB215LC-3	1.1 ~ 1.6	4.3 ~ 6.2	1.6 ~ 2.5	6.2 ~ 9.3	2.5 ~ 4.1	9.3 ~ 15.4	
PC220, LC-8	1.9 ~ 2.7	7.1 ~ 10.3	2.7 ~ 4.1	10.3 ~ 15.4	4.1 ~ 6.8	15.4 ~ 25.6	
PC220, LC-8M0	1.8 ~ 2.6	7.0 ~ 10.0	2.6 ~ 4.0	10.0 ~ 15.0	4.0 ~ 6.6	15.0 ~ 25.0	
PC228US, USLC-8	1.7 ~ 2.4	6.3 ~ 9.0	2.4 ~ 3.6	9.0 ~ 13.5	3.6 ~ 5.9	13.5 ~ 22.5	
PC228USLC-10	1.6 ~ 2.3	6.0 ~ 8.6	2.3 ~ 3.4	8.6 ~ 13.0	3.4 ~ 5.7	13.0 ~ 21.6	
PC228USLC-11	1.5 ~ 2.1	5.7 ~ 8.1	2.1 ~ 3.2	8.1 ~ 12.2	3.2 ~ 5.4	12.2 ~ 20.3	
PC240LC, NLC-10	1.8 ~ 2.6	6.8 ~ 9.7	2.6 ~ 3.9	9.7 ~ 14.6	3.9 ~ 6.5	14.6 ~ 24.4	
PC240LC, NLC-11	1.4 ~ 2.0	5.3 ~ 7.6	2.0 ~ 3.0	7.6 ~ 11.4	3.0 ~ 5.0	11.4 ~ 19.0	
PC270LC-8, PC290LC-8	2.1 ~ 3.1	8.1 ~ 11.6	3.1 ~ 4.6	11.6 ~ 17.4	4.6 ~ 7.6	17.4 ~ 28.9	
PC290LC-10	2.1 ~ 3.0	7.9 ~ 11.3	3.0 ~ 4.5	11.3 ~ 16.9	4.5 ~ 7.5	16.9 ~ 28.2	
PC290LC-11	2.0 ~ 2.8	7.5 ~ 10.7	2.8 ~ 4.3	10.7 ~ 16.1	4.3 ~ 7.1	16.1 ~ 26.8	
PC300, LC-8, PC350LC-8	2.8 ~ 4.0	10.6 ~ 15.1	4.0 ~ 6.0	15.1 ~ 22.7	6.0 ~ 10.0	22.7 ~ 37.9	
PC300, LC-8M0, PC350, LC-8M0, PC390LC-8M0	2.7 ~ 3.9	10.3 ~ 14.7	3.9 ~ 5.8	14.7 ~ 22.0	5.8 ~ 9.7	22.0 ~ 36.7	
PC360LC-10	2.6 ~ 3.8	10.0 ~ 14.3	3.8 ~ 5.7	14.3 ~ 21.5	5.7 ~ 9.5	21.5 ~ 35.8	
PC360LC, NLC-11	2.6 ~ 3.7	9.7 ~ 13.9	3.7 ~ 5.5	13.9 ~ 20.8	5.5 ~ 9.2	20.8 ~ 34.7	
HB335LC-1, HB365LC-1	2.3 ~ 3.2	8.5 ~ 12.1	3.2 ~ 4.8	12.1 ~ 18.2	4.8 ~ 8.0	18.2 ~ 30.3	
HB365LC-3	2.0 ~ 2.8	7.4 ~ 10.6	2.8 ~ 4.2	10.6 ~ 15.9	4.2 ~ 7.0	15.9 ~ 26.5	
PC400, LC-8, PC450, LC-8, PC500LC-8	5.1 ~ 6.8	19.3 ~ 25.7	6.8 ~ 8.5	25.7 ~ 32.1	8.5 ~ 12.7	32.1 ~ 48.2	
PC400, LC-8R, PC450, LC-8R, PC500LC-8R	5.0 ~ 6.8	19.3 ~ 25.7	6.8 ~ 8.5	25.7 ~ 32.1	8.5 ~ 12.7	32.1 ~ 48.2	
PC490, LC-10	5.0 ~ 6.7	19.1 ~ 25.5	6.7 ~ 8.4	25.5 ~ 31.9	8.4 ~ 12.6	31.9 ~ 47.8	
PC490, LC-11	4.7 ~ 6.3	17.8 ~ 23.7	6.3 ~ 7.8	23.7 ~ 29.7	7.8 ~ 11.8	29.7 ~ 44.5	
PC500LC-10M0	4.5 ~ 6.1	17.2 ~ 22.9	6.1 ~ 7.6	22.9 ~ 28.6	7.6 ~ 11.3	28.6 ~ 42.9	
PC500LC-10R	4.5 ~ 6.1	17.2 ~ 22.9	6.1 ~ 7.6	22.9 ~ 28.6	7.6 ~ 11.3	28.6 ~ 42.9	
PC550LC-8	5.2 ~ 6.9	19.5 ~ 26.0	6.9 ~ 8.6	26.0 ~ 32.5	8.6 ~ 12.9	32.5 ~ 48.7	

Fuel Consumption

OWNING & OPERATING COSTS

Machine	Range Amount	Low		Medium		High	
		U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr
PC600, LC-8E0, PC650LC-8E0, PC700LC-8E0	6.5 ~ 8.6	24.5 ~ 32.7	8.6 ~ 10.8	32.7 ~ 40.8	10.8 ~ 17.3	40.8 ~ 65.3	
PC600, LC-8R1, PC700LC-8R	6.5 ~ 8.6	24.5 ~ 32.7	8.6 ~ 10.8	32.7 ~ 40.8	10.8 ~ 17.3	40.8 ~ 65.3	
PC650LC-11, PC700LC-11	6.1 ~ 8.1	23.0 ~ 30.7	8.1 ~ 10.1	30.7 ~ 38.4	10.1 ~ 16.2	38.4 ~ 61.4	
PC800, LC-8E0, PC850-8E0	6.7 ~ 8.9	25.2 ~ 33.7	8.9 ~ 11.1	33.7 ~ 42.1	1.1 ~ 17.8	42.1 ~ 67.3	
PC800, LC-8R1, PC850-8R1	6.7 ~ 8.9	25.2 ~ 33.7	8.9 ~ 11.1	33.7 ~ 42.1	1.1 ~ 17.8	42.1 ~ 67.3	
PC1250, SP-7	12.2 ~ 15.3	46.0 ~ 58.0	15.3 ~ 18.5	58.0 ~ 69.9	18.5 ~ 28.0	69.9 ~ 105.9	
PC1250, LC, SP-8	12.1 ~ 15.2	45.7 ~ 57.6	15.2 ~ 18.4	57.6 ~ 69.6	18.4 ~ 27.8	69.6 ~ 105.3	
PC1250, LC, SP-8R	11.7 ~ 14.7	44.2 ~ 55.7	14.7 ~ 17.7	55.7 ~ 67.1	17.7 ~ 26.8	67.1 ~ 101.3	
PC1250-11	11.2 ~ 14.2	42.5 ~ 53.6	14.2 ~ 17.1	53.6 ~ 64.7	17.1 ~ 25.9	64.7 ~ 97.9	
PC2000-8	17.9 ~ 22.1	67.7 ~ 83.6	22.1 ~ 26.3	83.6 ~ 99.5	26.3 ~ 38.9	99.5 ~ 147.2	
PC2000-11	17.0 ~ 22.1	64.3 ~ 79.4	22.1 ~ 26.3	79.4 ~ 94.5	26.3 ~ 38.9	94.5 ~ 139.7	

- Low: Intermittent work with job efficiency less than 65 %
Material; Easy to excavate
- Medium: Digging and loading 65 - 80 % of machine operation hours
Material; Not easy to excavate
- High: Work with job efficiency more than 80 %
Direct excavation needed sometimes.

Construction

(4) Off-highway dump trucks

Machine	Range	Low		Medium		High	
	Amount	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr
HD325-7	4.8 ~ 7.2	18.0 ~ 27.1	7.2 ~ 9.9	27.1 ~ 37.4	9.9 ~ 13.6	37.4 ~ 51.5	
HD325-7R	4.7 ~ 7.1	17.9 ~ 26.8	7.1 ~ 9.8	26.8 ~ 37.2	9.8 ~ 13.6	37.2 ~ 51.4	
HD325-8	4.4 ~ 6.6	16.6 ~ 25.1	6.6 ~ 9.1	25.1 ~ 34.6	9.1 ~ 12.6	34.6 ~ 47.6	
HD405-7	4.8 ~ 7.2	18.0 ~ 27.1	7.2 ~ 9.9	27.1 ~ 37.4	9.9 ~ 13.6	37.4 ~ 51.5	
HD405-7R	4.7 ~ 7.1	17.9 ~ 26.8	7.1 ~ 9.8	26.8 ~ 37.2	9.8 ~ 13.6	37.2 ~ 51.4	
HD405-8	4.4 ~ 6.6	16.6 ~ 25.1	6.6 ~ 9.1	25.1 ~ 34.6	9.1 ~ 12.6	34.6 ~ 47.6	
HD465-7E0	7.0 ~ 10.5	26.4 ~ 39.8	10.5 ~ 14.2	39.8 ~ 53.7	14.2 ~ 20.6	53.7 ~ 78.1	
HD465-7R	6.9 ~ 10.4	26.3 ~ 39.5	10.4 ~ 14.1	39.5 ~ 53.5	14.1 ~ 20.6	53.5 ~ 78.1	
HD465-8	6.3 ~ 9.4	23.7 ~ 35.7	9.4 ~ 12.7	35.7 ~ 48.2	12.7 ~ 18.5	48.2 ~ 70.0	
HD605-7E0	7.0 ~ 10.5	26.4 ~ 39.8	10.5 ~ 14.2	39.8 ~ 53.7	14.2 ~ 20.6	53.7 ~ 78.1	
HD605-7R	6.9 ~ 10.4	26.3 ~ 39.5	10.4 ~ 14.1	39.5 ~ 53.5	14.1 ~ 20.6	53.5 ~ 78.1	
HD605-8	6.3 ~ 9.4	23.7 ~ 35.7	9.4 ~ 12.7	35.7 ~ 48.2	12.7 ~ 18.5	48.2 ~ 70.0	
HD785-7	10.2 ~ 15.2	38.5 ~ 57.7	15.2 ~ 20.4	57.7 ~ 77.3	20.4 ~ 28.6	77.3 ~ 108.2	
HD1500-7 (SDA12V160 Tier 1)	14.8 ~ 18.6	56.2 ~ 70.3	18.6 ~ 26.0	70.3 ~ 98.4	26.0 ~ 35.7	98.4 ~ 135.0	
HD1500-7* (SDA16V159E Tier 2)	15.6 ~ 19.5	59.0 ~ 73.7	19.5 ~ 27.3	73.7 ~ 103.2	27.3 ~ 37.4	103.2 ~ 141.5	
HD1500-8 (NON)	15.0 ~ 18.7	56.7 ~ 70.9	18.7 ~ 26.2	70.9 ~ 99.3	26.2 ~ 36.0	99.3 ~ 136.2	
HD1500-8 (Tier 2)	15.5 ~ 19.4	58.7 ~ 73.4	19.4 ~ 27.1	73.4 ~ 102.7	27.1 ~ 37.2	102.7 ~ 140.9	
730E	19.1 ~ 23.8	72.2 ~ 90.2	23.8 ~ 33.4	90.2 ~ 126.3	33.4 ~ 45.8	126.3 ~ 173.2	
830E-AC (SDA16V160 Tier 1)	24.8 ~ 31.0	93.9 ~ 117.4	31.0 ~ 43.4	117.4 ~ 164.4	43.4 ~ 59.6	164.4 ~ 225.4	
830E-AC (SDA16V160 Tier 2)	25.8 ~ 32.2	97.6 ~ 122.0	32.2 ~ 45.2	122.0 ~ 170.9	45.2 ~ 61.9	170.9 ~ 234.3	
860E-1K (SSDA16V160 Tier 1)	26.8 ~ 33.5	101.4 ~ 126.8	33.5 ~ 46.9	126.8 ~ 177.5	46.9 ~ 64.3	177.5 ~ 243.5	
860E-1K (SSDA16V160 Tier 2)	27.2 ~ 33.9	102.8 ~ 128.5	33.9 ~ 47.5	128.5 ~ 179.9	47.5 ~ 65.2	179.9 ~ 246.7	
930E-4 (SSDA16V160 Tier 1)	26.8 ~ 33.5	101.4 ~ 126.8	33.5 ~ 46.9	126.8 ~ 177.5	46.9 ~ 64.3	177.5 ~ 243.5	
930E-4 (SSDA16V160 Tier 2)	27.2 ~ 33.9	102.8 ~ 128.5	33.9 ~ 47.5	128.5 ~ 179.9	47.5 ~ 65.2	179.9 ~ 246.7	
930E-4SE	35.2 ~ 44.3	134.1 ~ 167.6	44.3 ~ 62.0	167.6 ~ 234.7	62.0 ~ 85.0	234.7 ~ 321.8	
960E-2 (SSDA18V170 Tier 1)	33.8 ~ 42.3	128.0 ~ 160.0	42.3 ~ 59.2	160.0 ~ 224.1	59.2 ~ 81.2	224.1 ~ 307.3	
960E-2 (SSDA18V170 Tier 2)	35.2 ~ 44.3	134.1 ~ 167.6	44.3 ~ 62.0	167.6 ~ 234.7	62.0 ~ 85.0	234.7 ~ 321.8	
960E-2K (SSDA18V170 Tier 1)	33.8 ~ 42.3	128.0 ~ 160.0	42.3 ~ 59.2	160.0 ~ 224.1	59.2 ~ 81.2	224.1 ~ 307.3	
960E-2K (SSDA18V170 Tier 2)	35.2 ~ 44.3	134.1 ~ 167.6	44.3 ~ 62.0	167.6 ~ 234.7	62.0 ~ 85.0	234.7 ~ 321.8	

CONDITIONS:

- Low : High ratio of loading time to cycle time, good haul road conditions
Low truck job efficiency
- Medium : Medium ratio of traveling time to cycle time, medium load factor of truck, and medium haul road conditions and grade
Total resistance; Over 2 % through 10 %
- High : High ratio of traveling time to cycle time, tough load factor of truck, severe haul road conditions and grade
Total resistance; 10 % and above
- * : USA source

Construction

(5) Articulated dump trucks

Range Amount Machine	Low		Medium		High	
	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr
HM300-2	3.5 ~ 5.2	13.1 ~ 19.7	5.2 ~ 6.9	19.7 ~ 26.2	6.9 ~ 9.5	26.2 ~ 36.1
HM300-2R	3.5 ~ 5.2	13.1 ~ 19.7	5.2 ~ 6.9	19.7 ~ 26.2	6.9 ~ 9.5	26.2 ~ 36.1
HM300-3	2.8 ~ 4.4	10.6 ~ 16.8	4.4 ~ 5.6	16.8 ~ 21.3	5.6 ~ 8.9	21.3 ~ 33.7
HM300-5	2.8 ~ 4.4	10.6 ~ 16.8	4.4 ~ 5.6	16.8 ~ 21.3	5.6 ~ 8.9	21.3 ~ 33.7
HM350-2	4.4 ~ 6.6	16.5 ~ 24.8	6.6 ~ 8.7	24.8 ~ 33.1	8.7 ~ 12.0	33.1 ~ 45.5
HM400-3	4.4 ~ 5.5	16.7 ~ 21.0	5.5 ~ 7.9	21.0 ~ 29.9	7.9 ~ 11.8	29.9 ~ 44.7
HM400-3M0	4.6 ~ 5.7	17.3 ~ 21.6	5.7 ~ 8.2	21.6 ~ 30.9	8.2 ~ 12.2	30.9 ~ 46.1
HM400-3R	4.4 ~ 5.5	16.6 ~ 20.8	5.5 ~ 7.8	20.8 ~ 29.7	7.8 ~ 11.7	29.7 ~ 44.3
HM400-5	4.3 ~ 5.3	16.1 ~ 20.2	5.3 ~ 7.6	20.2 ~ 28.9	7.6 ~ 11.4	28.9 ~ 43.1

CONDITIONS:

Low : Long loading time, downhill travel with load, travel on well maintained road

Medium : Normal loading time , uphill travel with load (normal grade), travel on well maintained road

High : Short loading time, uphill travel with load (steep grade), travel on normally maintained road

Construction
(6) Wheel loaders

Machine	Range Amount	Low		Medium		High	
		U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr
WA150-5		1.2 ~ 1.7	4.5 ~ 6.3	1.7 ~ 2.1	6.3 ~ 7.9	2.1 ~ 2.9	7.9 ~ 11.0
WA150-6		1.2 ~ 1.7	4.7 ~ 6.5	1.7 ~ 2.2	6.5 ~ 8.2	2.2 ~ 3.0	8.2 ~ 11.4
WA200-5		1.6 ~ 2.2	5.9 ~ 8.3	2.2 ~ 2.7	8.3 ~ 10.4	2.7 ~ 3.8	10.4 ~ 14.5
WA200,PZ-6		1.6 ~ 2.2	5.9 ~ 8.3	2.2 ~ 2.7	8.3 ~ 10.4	2.7 ~ 3.8	10.4 ~ 14.4
WA200-7		1.5 ~ 2.1	5.6 ~ 7.8	2.1 ~ 2.6	7.8 ~ 9.8	2.6 ~ 3.6	9.8 ~ 13.7
WA200-8		1.5 ~ 2.0	5.4 ~ 7.6	2.0 ~ 2.5	7.6 ~ 9.6	2.5 ~ 3.5	9.6 ~ 13.3
WA250-5		1.8 ~ 2.6	7.0 ~ 9.8	2.6 ~ 3.2	9.8 ~ 12.3	3.2 ~ 4.3	12.3 ~ 16.2
WA250, PZ-6		1.8 ~ 2.5	6.9 ~ 9.6	2.5 ~ 3.2	9.6 ~ 12.1	3.2 ~ 4.2	12.1 ~ 15.9
WA270-7		1.8 ~ 2.5	6.7 ~ 9.3	2.5 ~ 3.1	9.3 ~ 11.7	3.1 ~ 4.1	11.7 ~ 15.4
WA270-8		1.8 ~ 2.5	6.7 ~ 9.3	2.5 ~ 3.1	9.3 ~ 11.7	3.1 ~ 4.1	11.7 ~ 15.4
WA320-5		2.2 ~ 3.0	8.2 ~ 11.5	3.0 ~ 3.8	11.5 ~ 14.5	3.8 ~ 5.0	14.5 ~ 19.1
WA320, PZ-6		2.2 ~ 3.0	8.2 ~ 11.5	3.0 ~ 3.8	11.5 ~ 14.4	3.8 ~ 5.0	14.4 ~ 19.0
WA320-7		2.1 ~ 2.9	7.8 ~ 11.0	2.9 ~ 3.6	11.0 ~ 13.8	3.6 ~ 4.8	13.8 ~ 18.2
WA320-8		2.1 ~ 2.9	7.8 ~ 11.0	2.9 ~ 3.6	11.0 ~ 13.8	3.6 ~ 4.8	13.8 ~ 18.2
WA380-5		2.9 ~ 4.0	10.8 ~ 15.2	4.0 ~ 5.0	15.2 ~ 19.1	5.0 ~ 6.6	19.1 ~ 25.1
WA380-6		2.4 ~ 3.4	9.1 ~ 12.8	3.4 ~ 4.3	12.8 ~ 16.1	4.3 ~ 5.8	16.1 ~ 22.1
WA380-7		2.1 ~ 2.9	7.9 ~ 11.1	2.9 ~ 3.7	11.1 ~ 14.0	3.7 ~ 5.1	14.0 ~ 19.2
WA380-8		2.1 ~ 2.9	7.8 ~ 11.0	2.9 ~ 3.6	11.0 ~ 13.8	3.6 ~ 5.0	13.8 ~ 18.8
WA430-5		3.3 ~ 4.6	12.5 ~ 17.6	4.6 ~ 5.8	17.6 ~ 22.1	5.8 ~ 7.7	22.1 ~ 29.1
WA430-6		2.8 ~ 4.1	10.7 ~ 15.4	4.1 ~ 5.1	15.4 ~ 19.2	5.1 ~ 6.8	19.2 ~ 25.8
WA470-5		3.5 ~ 4.8	13.1 ~ 18.3	4.8 ~ 6.1	18.3 ~ 23.0	6.1 ~ 8.0	23.0 ~ 30.3
WA470-6*, 6R*		2.9 ~ 4.1	11.0 ~ 15.5	4.1 ~ 5.1	15.5 ~ 19.3	5.1 ~ 7.1	19.3 ~ 27.0
WA470-7		2.9 ~ 4.1	11.0 ~ 15.5	4.1 ~ 5.1	15.5 ~ 19.3	5.1 ~ 7.1	19.3 ~ 27.0
WA470-8		2.9 ~ 4.1	11.0 ~ 15.5	4.1 ~ 5.1	15.5 ~ 19.3	5.1 ~ 7.1	19.3 ~ 27.0
WA480-6*,6R		3.1 ~ 4.3	11.6 ~ 16.2	4.3 ~ 5.4	16.2 ~ 20.4	5.4 ~ 7.8	20.4 ~ 29.6
WA480-8		3.1 ~ 4.3	11.6 ~ 16.2	4.3 ~ 5.4	16.2 ~ 20.4	5.4 ~ 7.8	20.4 ~ 29.6
WA500-6, 6R		4.9 ~ 6.9	18.7 ~ 26.2	6.9 ~ 8.7	26.2 ~ 33.1	8.7 ~ 12.0	33.1 ~ 45.6
WA500-7		4.6 ~ 6.4	17.4 ~ 24.3	6.4 ~ 8.1	24.3 ~ 30.7	8.1 ~ 11.3	30.7 ~ 42.6
WA500-8		4.5 ~ 6.3	17.0 ~ 23.7	6.3 ~ 7.9	23.7 ~ 30.0	7.9 ~ 11.0	30.0 ~ 41.5
WA600-6, 6R		7.9 ~ 10.6	30.0 ~ 40.2	10.6 ~ 12.7	40.2 ~ 51.9	13.7 ~ 18.9	51.9 ~ 71.6
WA600-8		7.9 ~ 10.6	30.0 ~ 40.2	10.6 ~ 12.7	40.2 ~ 51.9	13.7 ~ 18.9	51.9 ~ 71.6
WA700-3		10.3 ~ 14.5	39.1 ~ 54.8	14.5 ~ 18.3	54.8 ~ 69.1	18.3 ~ 24.1	69.1 ~ 91.3
WA800-3		11.8 ~ 16.5	44.6 ~ 62.5	16.5 ~ 20.8	62.5 ~ 78.9	20.8 ~ 31.4	78.9 ~ 119.0
WA800-3E0		11.8 ~ 16.5	44.6 ~ 62.5	16.5 ~ 20.8	62.5 ~ 78.9	20.8 ~ 31.4	78.9 ~ 119.0
WA900-3		12.3 ~ 17.2	46.5 ~ 65.1	17.2 ~ 21.7	65.1 ~ 82.1	21.7 ~ 28.7	82.1 ~ 124.0
WA900-3E0		12.5 ~ 17.5	47.3 ~ 66.2	17.5 ~ 22.1	66.2 ~ 83.5	22.1 ~ 33.3	83.5 ~ 126.1
WA1200-6		22.5 ~ 31.5	85.3 ~ 119.4	31.5 ~ 39.8	119.4 ~ 150.7	39.8 ~ 52.6	150.7 ~ 199.1

CONDITIONS:

- Low : Light utility, work with considerable amount of idling
- Medium : Non-stop operation over a long distance
Operation according to a basic loader cycle with frequent idling
- High : Non-stop operation according to a basic loader cycle
- * : With large-capacity torque convertor

(7) Wheel dozers

Range Machine Amount	Low		Medium		High	
	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr
WD600-3	8.6 ~ 12.0	32.4 ~ 45.3	12.0 ~ 15.1	45.3 ~ 57.2	15.1 ~ 19.9	57.2 ~ 75.5
WD600-6, 6R	8.6 ~ 12.1	32.6 ~ 45.7	12.1 ~ 15.2	45.7 ~ 57.6	15.2 ~ 20.1	57.6 ~ 76.1
WD900-3	13.5 ~ 18.9	51.2 ~ 71.7	18.9 ~ 23.9	71.7 ~ 90.5	23.9 ~ 31.6	90.5 ~ 119.5

CONDITIONS:

- Low : Work where machine spend most of operation hours idling or traveling with no load
- Medium : Average earth moving, scraper hauling, easy pushing
- High : Heavy pushing
Continuous operation

(8) Motor graders

Range Machine Amount	Low		Medium		High	
	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr	U.S. Gal/hr	ltr./hr
GD511A-1	2.0 ~ 3.2	7.5 ~ 12.0	3.2 ~ 4.4	12.0 ~ 16.5	4.4 ~ 5.5	16.5 ~ 21.0
GD535-5	1.7 ~ 2.6	6.5 ~ 9.8	2.6 ~ 3.5	9.8 ~ 13.1	3.5 ~ 5.6	13.1 ~ 21.3
GD555-5	1.9 ~ 2.9	7.3 ~ 11.0	2.9 ~ 3.9	11.0 ~ 14.7	3.9 ~ 6.3	14.7 ~ 23.8
GD655-5, GD675-5	2.1 ~ 3.2	8.1 ~ 12.2	3.2 ~ 4.3	12.2 ~ 16.3	4.3 ~ 7.0	16.3 ~ 26.5
GD663A-2	2.1 ~ 3.4	8.0 ~ 12.8	3.4 ~ 4.6	12.8 ~ 17.6	4.6 ~ 5.9	17.6 ~ 22.4
GD655-6, GD675-6	2.0 ~ 3.1	7.7 ~ 11.6	3.1 ~ 4.1	11.6 ~ 15.5	4.1 ~ 6.6	15.5 ~ 25.1
GD705-5	2.5 ~ 3.7	9.4 ~ 14.1	3.7 ~ 5.0	14.1 ~ 18.8	5.0 ~ 8.1	18.8 ~ 30.6
GD755-5R	2.9 ~ 4.3	10.8 ~ 16.2	4.3 ~ 5.7	16.2 ~ 21.6	5.7 ~ 9.3	21.6 ~ 35.1
GD825A-2	3.7 ~ 6.0	14.1 ~ 22.6	6.0 ~ 8.2	22.6 ~ 31.0	8.2 ~ 10.4	31.0 ~ 39.5

CONDITIONS:

- Low: Minor road maintenance, leveling, traveling with no load
- Medium: Average road maintenance, scarifying, light snow removal
- High: Heavy pushing, continuous operation

Table 4 Approx. Hourly Lubricants Consumption *
(* Oil replacement (liter) ÷ Oil change interval (hour))

(1) Bulldozers

Application Unit Q'TY	*(1) Crank case		*(2) Transmission		Final Drives		Hydraulic Control		Grease	
	US Gal	Liter	US Gal	Liter	US Gal	Liter	US Gal	Liter	lb	kg
D31EX, PX-22	0.006	0.022	—	—	0.002	0.007	0.008	0.03	0.04	0.02
D37EX, PX-22	0.006	0.022	—	—	0.002	0.007	0.008	0.03	0.04	0.02
D37EX, PX-23	0.006	0.022	—	—	0.002	0.007	0.009	0.032	0.04	0.02
D37EX, PX-24	0.006	0.022	—	—	0.002	0.007	0.009	0.032	0.04	0.02
D39EX PX-22	0.008	0.03	—	—	0.002	0.007	0.008	0.03	0.04	0.02
D39EX PX-23	0.006	0.022	—	—	0.002	0.007	0.008	0.03	0.04	0.02
D39EX, PX-24	0.006	0.022	—	—	0.002	0.007	0.009	0.032	0.04	0.02
D51EX-22	0.01	0.04	—	—	0.002	0.008	0.0085	0.032	0.04	0.02
D51PX-22	0.01	0.04	—	—	0.002	0.008	0.0085	0.032	0.04	0.02
D51EX, PX-24	0.009	0.032	—	—	0.003	0.011	0.009	0.032	0.04	0.02
D61EX, PX-23	0.014	0.054	—	—	0.004	0.016	0.014	0.051	0.04	0.02
D61EX, PX-24	0.014	0.054	—	—	0.004	0.016	0.014	0.051	0.04	0.02
D63E-12	0.01	0.038	0.02	0.075	0.015	0.057	0.006	0.024	0.04	0.02
D65EX-16	0.015	0.056	0.013	0.048	0.013	0.048	0.007	0.028	0.04	0.02
D65PX-16	0.015	0.056	0.013	0.048	0.013	0.048	0.007	0.028	0.04	0.02
D65WX-16	0.015	0.056	0.013	0.048	0.013	0.048	0.007	0.028	0.04	0.02
D65EX, PX, WX-17	0.013	0.05	0.013	0.048	0.012	0.044	0.007	0.028	0.04	0.02
D65EX, PX/WX-18	0.016	0.061	0.013	0.048	0.012	0.044	0.008	0.031	0.04	0.02
D85EX-15E0	0.02	0.076	0.016	0.06	0.014	0.052	0.01	0.036	0.04	0.02
D85PX-15E0	0.02	0.076	0.016	0.06	0.019	0.072	0.01	0.036	0.04	0.02
D85EX-15R	0.02	0.076	0.016	0.06	0.014	0.052	0.01	0.036	0.04	0.02
D85PX-15R	0.02	0.076	0.016	0.06	0.019	0.072	0.01	0.036	0.04	0.02
D85EX-18	0.02	0.076	0.016	0.06	0.014	0.052	0.009	0.035	0.04	0.02
D85PX-18	0.02	0.076	0.016	0.06	0.019	0.072	0.009	0.035	0.04	0.02
D155AX-6	0.02	0.074	0.024	0.09	0.016	0.062	0.012	0.046	0.07	0.03
D155A-6	0.02	0.074	0.024	0.09	0.016	0.062	0.012	0.046	0.07	0.03
D155AX-7	0.02	0.074	0.024	0.09	0.016	0.062	0.012	0.046	0.07	0.03
D155AX-8	0.02	0.074	0.024	0.09	0.016	0.062	0.013	0.048	0.07	0.03
D275AX-5E0	0.026	0.1	0.024	0.09	0.01	0.04	0.017	0.065	0.09	0.04
D275A-5R	0.026	0.1	0.024	0.09	0.01	0.04	0.017	0.065	0.09	0.04
D275A-5D	0.055	0.208	0.026	0.1	0.01	0.038	0.017	0.065	0.09	0.04
D375A-5E0	0.032	0.12	0.04	0.15	0.019	0.07	0.016	0.06	0.09	0.04
D375A-6	0.045	0.172	0.04	0.15	0.016	0.061	0.017	0.065	0.09	0.04
D375A-5R	0.045	0.172	0.04	0.15	0.016	0.061	0.018	0.069	0.09	0.04
D375A-5D	0.054	0.204	0.04	0.15	0.017	0.065	0.016	0.06	0.09	0.04
D375A-6R	0.045	0.172	0.04	0.15	0.016	0.061	0.017	0.065	0.09	0.04
D375A-8	0.045	0.172	0.04	0.15	0.017	0.065	0.017	0.065	0.09	0.04
D475A-5E0	0.064	0.242	0.055	0.21	0.02	0.075	0.022	0.085	0.11	0.05
D575A-3	0.137	0.52	0.093	0.35	0.042	0.16	0.04	0.15	0.13	0.06

*(1) Includes lubricant oil of compressor for Portable Air Compressor

*(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.

Lubricant Consumption

OWNING & OPERATING COSTS

(2) Hydraulic excavators

Application Unit Q'TY	*(1) Crank case		Swing Machinery		*(2) Final Drives		Hydraulic Control		Generator motor		Grease	
	US Gal	Liter	US Gal	Liter	US Gal	Liter	US Gal	Liter	lb	kg	lb	kg
PC20MR-3	0.002	0.007	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC27MR-3	0.004	0.014	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC30MR-3	0.004	0.014	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC30MR-5	0.003	0.013	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC35MR-3	0.004	0.014	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC35MR-5	0.003	0.013	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC45MR-3	0.004	0.015	—	—	0.0005	0.002	0.003	0.010	—	—	0.04	0.02
PC45MR-5	0.004	0.015	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC55MR-3	0.004	0.015	—	—	0.0005	0.002	0.003	0.010	—	—	0.04	0.02
PC55MR-5	0.004	0.015	—	—	0.0003	0.001	0.003	0.010	—	—	0.04	0.02
PC70-8	0.006	0.023	0.0005	0.002	0.0005	0.002	0.0032	0.012	—	—	0.09	0.04
PC78US-8	0.006	0.022	0.0005	0.002	0.0005	0.002	0.0032	0.012	—	—	0.09	0.04
PC78UU-8	0.006	0.022	0.0005	0.002	0.0005	0.002	0.003	0.011	—	—	0.09	0.04
PC78US-10	0.006	0.023	0.0005	0.002	0.0005	0.002	0.003	0.011	—	—	0.09	0.04
PC88MR-8	0.006	0.022	0.0008	0.003	0.0005	0.002	0.003	0.011	—	—	0.09	0.04
PC88MR-10	0.006	0.023	0.0008	0.003	0.0005	0.002	0.003	0.011	—	—	0.09	0.04
PC130-8	0.006	0.022	0.0008	0.003	0.0011	0.004	0.0048	0.018	—	—	0.11	0.05
PC138US-8	0.006	0.022	0.0008	0.003	0.0011	0.004	0.0037	0.014	—	—	0.11	0.05
PC138USLC-11	0.006	0.023	0.0008	0.003	0.0010	0.004	0.0037	0.014	—	—	0.11	0.05
PC160LC-8	0.008	0.032	0.0013	0.005	0.0008	0.003	0.0063	0.024	—	—	0.11	0.05
PC170LC-10	0.010	0.036	0.0013	0.005	0.0013	0.005	0.0060	0.024	—	—	0.11	0.05
PC170LC-11	0.010	0.036	0.0013	0.005	0.0013	0.005	0.0060	0.024	—	—	0.11	0.05
PC200-8	0.012	0.046	0.0018	0.007	0.0008	0.003	0.007	0.027	—	—	0.15	0.07
PC200/LC-8M0	0.012	0.046	0.0018	0.007	0.0011	0.004	0.007	0.027	—	—	0.15	0.07
PC210LC-10	0.012	0.046	0.0018	0.007	0.0013	0.005	0.007	0.027	—	—	0.15	0.07
PC210LC-11	0.012	0.046	0.0018	0.007	0.0013	0.005	0.007	0.026	—	—	0.15	0.07
HB205/215LC-1M0	0.01	0.036	0.0018	0.007	0.0008	0.003	0.007	0.027	0.0016	0.006	0.15	0.07
HB215LC-2	0.01	0.036	0.0018	0.007	0.0013	0.005	0.007	0.026	0.0016	0.006	0.15	0.07
HB215LC-3	0.01	0.036	0.0018	0.007	0.0013	0.005	0.007	0.026	0.0018	0.007	0.15	0.07
PC220-8	0.012	0.046	0.0021	0.008	0.0013	0.005	0.007	0.027	—	—	0.15	0.07
PC220-8M0	0.012	0.046	0.0018	0.007	0.0013	0.005	0.0066	0.025	—	—	0.15	0.07
PC228US/LC-8	0.012	0.046	0.0018	0.007	0.0013	0.005	0.0066	0.025	—	—	0.15	0.07
PC228USLC-10	0.012	0.046	0.0018	0.007	0.0013	0.005	0.0066	0.025	—	—	0.15	0.07
PC228USLC-11	0.012	0.046	0.0018	0.007	0.0013	0.005	0.0066	0.025	—	—	0.15	0.07
PC238USLC-11	0.012	0.046	0.0018	0.007	0.0013	0.005	0.0066	0.025	—	—	0.15	0.07
PC240LC-10	0.012	0.046	0.0018	0.007	0.0013	0.005	0.007	0.026	—	—	0.15	0.07
PC240LC-11	0.012	0.046	0.0018	0.007	0.0013	0.005	0.007	0.026	—	—	0.15	0.07
PC270/LC-8	0.012	0.046	0.0021	0.008	0.0024	0.009	0.007	0.026	—	—	0.15	0.07
PC290LC-10	0.012	0.046	0.0021	0.008	0.0021	0.008	0.007	0.026	—	—	0.15	0.07
PC290LC-11	0.012	0.046	0.0018	0.007	0.0024	0.009	0.007	0.026	—	—	0.15	0.07
PC300/300LC-8	0.019	0.070	0.0045	0.017	0.0024	0.009	0.010	0.038	—	—	0.22	0.10
PC300/LC-8M0	0.020	0.074	0.0040	0.016	0.0024	0.009	0.010	0.038	—	—	0.22	0.10
PC350/LC-8	0.019	0.070	0.0045	0.017	0.0024	0.009	0.010	0.038	—	—	0.22	0.10
PC350/LC-8M0	0.018	0.070	0.0045	0.017	0.0024	0.009	0.010	0.038	—	—	0.22	0.10
PC360LC-10	0.018	0.070	0.0045	0.017	0.0024	0.009	0.01	0.038	—	—	0.22	0.10
PC360LC-11	0.020	0.077	0.0037	0.014	0.0024	0.009	0.01	0.038	—	—	0.22	0.10
PC390LC-8M0	0.020	0.074	0.0045	0.017	0.0024	0.009	0.01	0.038	—	—	0.22	0.10
PC390LC-11	0.021	0.078	0.0037	0.014	0.0029	0.011	0.01	0.038	—	—	0.22	0.10
HB335LC-1	0.020	0.075	0.0042	0.016	0.0024	0.009	0.01	0.038	0.002	0.009	0.22	0.10
HB365LC-3	0.020	0.077	0.0042	0.016	0.0024	0.009	0.01	0.038	0.002	0.009	0.22	0.10
PC400/LC-7	0.020	0.08	0.007	0.027	0.0034	0.013	0.013	0.050	—	—	0.26	0.12
PC400/LC-8	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC450-8	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC400-8R	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC450-8R	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC490LC-10	0.020	0.076	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC490LC-11	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12

Lubricant Consumption

OWNING & OPERATING COSTS

Application Unit Q'TY Machine Model	*(1) Crank case		Swing Machinery		*(2) Final Drives		Hydraulic Control		Generator motor		Grease	
	US Gal	Liter	US Gal	Liter	US Gal	Liter	US Gal	Liter	lb	kg	lb	kg
PC500LC-8	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC500LC-8R	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC500LC-10M0	0.020	0.074	0.0045	0.017	0.0024	0.009	0.015	0.056	—	—	0.26	0.12
PC500LC-10R	0.020	0.074	0.0045	0.017	0.0024	0.009	0.015	0.056	—	—	0.26	0.12
PC550LC-8	0.020	0.074	0.0053	0.020	0.0029	0.011	0.013	0.050	—	—	0.26	0.12
PC600-8E0	0.021	0.080	0.0069	0.026	0.0026	0.010	0.019	0.072	—	—	0.35	0.16
PC600-8R1	0.021	0.080	0.0069	0.026	0.0026	0.010	0.019	0.072	—	—	0.35	0.16
PC650LC-11	0.025	0.096	0.0070	0.026	0.0026	0.010	0.019	0.072	—	—	0.35	0.16
PC700LC-8E0	0.021	0.080	0.0069	0.026	0.0026	0.010	0.019	0.072	—	—	0.35	0.16
PC700LC-8R	0.021	0.080	0.0069	0.026	0.0026	0.010	0.019	0.072	—	—	0.35	0.16
PC700LC-11	0.025	0.096	0.0070	0.026	0.0063	0.024	0.013	0.050	—	—	0.35	0.16
PC800-8E0	0.028	0.106	0.013	0.049	0.0053	0.020	0.025	0.094	—	—	0.35	0.16
PC800-8R1	0.028	0.106	0.013	0.049	0.0053	0.020	0.025	0.094	—	—	0.35	0.16
PC850-8E0	0.028	0.106	0.013	0.049	0.0053	0.020	0.025	0.094	—	—	0.35	0.16
PC850-8R1	0.028	0.106	0.013	0.049	0.0053	0.020	0.025	0.094	—	—	0.35	0.16
PC1250-7	0.032	0.120	0.013	0.050	0.006	0.022	0.037	0.140	—	—	0.40	0.18
PC1250-8,	0.045	0.172	0.013	0.049	0.0055	0.021	0.035	0.134	—	—	0.44	0.20
PC1250-8R	0.045	0.172	0.013	0.049	0.0055	0.021	0.035	0.134	—	—	0.44	0.20
PC1250/LC-11	0.045	0.172	0.010	0.040	0.0055	0.021	0.035	0.134	—	—	0.44	0.20
PC2000-8	0.063	0.240	0.016	0.060	0.0220	0.085	0.069	0.260	—	—	0.18	0.08
PC2000-11	0.068	0.256	0.016	0.060	0.0225	0.085	0.069	0.260	—	—	0.18	0.08

*(1) Includes lubricant of PTO case.

*(2) Includes lubricant of differential gear box.

	Total Capacities Per Excavator					Total Consumption Per Excavator (Including oil change volume)				
	Engine ltr. (US Gal)	PTO ltr. (US Gal)	Hydraulic Reservoir ltr. (US Gal)	Slew gears ltr. (US Gal)	Travel gears ltr. (US Gal)	Engine Oil ltr/h (US Gal/h)	Hydraulic Oil ltr/h (US Gal/h)*	Gear Oil ltr/h (US Gal/h)**	Central Lubrication kg/h (lb/h)	Slew ring gear Lubrication kg/h (lb/h)
PC3000-6 SSA12V159	190 (50.2)	90 (23.8)	2900 (766)	83 (21.9)	135 (35.7)	0.8 (0.21)	0.53 (0.14)	0.10 (0.026)	0.14 (0.31)	0.035 (0.08)
PC3000E-6	—	90 (23.8)	2900 (766)	83 (21.9)	135 (35.7)	—	0.53 (0.14)	0.10 (0.026)	0.14 (0.31)	0.035 (0.08)
PC4000-6 SDA16V160	866*** (229)	150 (39.6)	3900 (1030)	166 (43.9)	310 (81.9)	1.1 (0.29)	0.72 (0.19)	0.21 (0.055)	0.16 (0.35)	0.04 (0.09)
PC4000E-6	—	150 (39.6)	3900 (1030)	166 (43.9)	310 (81.9)	—	0.72 (0.19)	0.21 (0.055)	0.16 (0.35)	0.04 (0.09)
PC5500-6 2 x SSA12V159	380*** (100)	190 (50.2)	3800 (1004)	166 (43.9)	237 (62.6)	1.6 (0.42) 1.8*** (0.48)	0.70 (0.21)	0.20 (0.053)	0.18 (0.40)	0.05 (0.11)
PC5500E-6	—	153 (40.4)	3800 (1004)	166 (43.9)	237 (62.6)	—	0.70 (0.21)	0.19 (0.05)	0.18 (0.40)	0.05 (0.11)
PC8000-6 2 x SDA16V160	2214*** (585)	240 (63.4)	8350 (2206)	249 (65.8)	780 (206)	2.2*** (0.58)	1.53 (0.40)	0.43 (0.114)	0.20 (0.44)	0.06 (0.13)
PC8000E-6	—	240 (63.4)	8350 (2206)	100 (26.4)	900 (238)	—	1.53 (0.40)	0.42 (0.11)	0.20 (0.44)	0.06 (0.13)

* 10% of oil change volume between oil change intervals plus volume of oil change (latest every 6000 h)

** 2% of oil change volume between oil change interval (3000 h) plus volume of oil change

*** Including oil management system

(3) Off-highway dump trucks

Application Unit Q'TY	*(1) Crank case		*(2) Transmission		*(3) Final Drives		*(4) Hydraulic Control		Grease	
	US Gal	Liter	US Gal	Liter	US Gal	Liter	US Gal	Liter	lb	kg
Machine Model										
HD325-7	0.026	0.10	0.024	0.09	0.01	0.038	0.009	0.033	0.04	0.02
HD325-7R	0.026	0.10	0.024	0.09	0.01	0.038	0.009	0.033	0.04	0.02
HD325-8	0.026	0.10	0.03	0.112	0.01	0.038	0.008	0.03	0.04	0.02
HD405-7	0.026	0.10	0.024	0.09	0.01	0.038	0.009	0.033	0.04	0.02
HD405-7R	0.026	0.10	0.024	0.09	0.01	0.038	0.009	0.033	0.04	0.02
HD405-8	0.026	0.10	0.03	0.112	0.01	0.038	0.008	0.03	0.04	0.02
HD465-7E0	0.042	0.16	0.057	0.215	0.018	0.069	0.008	0.031	0.04	0.02
HD465-7	0.042	0.16	0.057	0.215	0.018	0.069	0.008	0.031	0.04	0.02
HD465-8	0.042	0.16	0.057	0.215	0.018	0.069	0.01	0.037	0.04	0.02
HD605-7E0	0.042	0.16	0.057	0.215	0.018	0.069	0.008	0.031	0.04	0.02
HD605-7R	0.042	0.16	0.057	0.215	0.018	0.069	0.008	0.031	0.04	0.02
HD605-8	0.042	0.16	0.057	0.215	0.018	0.069	0.01	0.037	0.04	0.02
HD785-7	0.069	0.26	0.054	0.205	0.035	0.133	0.012	0.044	0.09	0.03
HD1500-8	0.122	0.46	0.034	0.129	0.086	0.327	0.021	0.079	0.07	0.02
HM300-2	0.02	0.074	0.021	0.08	0.013	0.049	0.008	0.03	0.04	0.02
HM300-2R	0.02	0.074	0.021	0.08	0.013	0.049	0.008	0.03	0.04	0.02
HM300-3	0.019	0.07	0.021	0.08	0.012	0.047	0.007	0.026	0.04	0.02
HM300-5	0.019	0.07	0.021	0.08	0.012	0.047	0.007	0.026	0.04	0.02
HM350-2	0.026	0.1	0.03	0.115	0.019	0.071	0.012	0.045	0.04	0.02
HM350-2R	0.026	0.1	0.03	0.115	0.019	0.071	0.012	0.045	0.04	0.02
HM400-2	0.026	0.1	0.03	0.115	0.020	0.075	0.012	0.045	0.04	0.02
HM400-2R	0.026	0.1	0.03	0.115	0.020	0.075	0.012	0.045	0.04	0.02
HM400-3	0.026	0.1	0.033	0.125	0.018	0.07	0.011	0.042	0.04	0.02
HM400-3M0	0.026	0.1	0.033	0.125	0.018	0.07	0.011	0.042	0.04	0.02
HM400-3R	0.026	0.1	0.033	0.125	0.018	0.07	0.011	0.042	0.04	0.02
HM400-5	0.026	0.1	0.033	0.125	0.018	0.07	0.011	0.042	0.04	0.02

- *(1) Includes lubricant oil of compressor for Portable Air Compressor
- *(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.
- *(3) Includes oils in the differential case of Dump Truck
- *(4) Includes oils in the brake cooling tank

(4) Wheel loaders and Wheel dozers

Application Unit Q'TY	*(1) Crank case		*(2) Transmission		Axle		*(3) Hydraulic Control		Grease	
	US Gal	Liter	US Gal	Liter	US Gal	Liter	US Gal	Liter	lb	kg
Machine Model										
WA150-5	0.007	0.025	0.001	0.004	0.004	0.0143	0.006	0.024	0.02	0.01
WA150-6	0.006	0.023	0.001	0.004	0.004	0.0143	0.006	0.024	0.02	0.01
WA200-5	0.010	0.039	0.0013	0.005	0.005	0.019	0.008	0.029	0.02	0.01
WA200-6, WA200PZ-6	0.008	0.031	0.0013	0.005	0.005	0.018	0.008	0.029	0.02	0.01
WA200-7	0.008	0.031	0.0013	0.005	0.005	0.0183	0.008	0.029	0.02	0.01
WA200-8	0.008	0.031	0.0013	0.005	0.005	0.0183	0.008	0.029	0.02	0.01
WA250-5	0.010	0.039	0.0016	0.006	0.005	0.018	0.009	0.034	0.02	0.01
WA250-6, WA250PZ-6	0.012	0.046	0.0013	0.005	0.005	0.018	0.009	0.034	0.02	0.01
WA270-7	0.012	0.046	0.0018	0.007	0.005	0.0183	0.01	0.039	0.02	0.01
WA270-8	0.012	0.046	0.0018	0.007	0.005	0.0183	0.01	0.04	0.02	0.01
WA320-5	0.010	0.039	0.002	0.007	0.006	0.024	0.012	0.045	0.02	0.01
WA320-6, WA320PZ-6	0.012	0.046	0.002	0.007	0.006	0.024	0.012	0.045	0.02	0.01
WA320-7	0.012	0.046	0.0016	0.006	0.007	0.0263	0.012	0.045	0.02	0.01
WA320-8	0.012	0.046	0.0016	0.006	0.007	0.0263	0.012	0.046	0.02	0.01
WA380-5	0.017	0.064	0.014	0.054	0.010	0.038	0.017	0.065	0.02	0.01
WA380-6, WA380Z-6	0.012	0.046	0.010	0.038	0.011	0.040	0.018	0.070	0.02	0.01
WA380-7	0.012	0.046	0.014	0.054	0.011	0.040	0.020	0.076	0.02	0.01
WA380-8	0.012	0.046	0.014	0.054	0.01	0.040	0.019	0.071	0.02	0.01
WA430-5	0.020	0.076	0.014	0.054	0.012	0.045	0.017	0.065	0.02	0.01
WA430-6	0.016	0.060	0.014	0.054	0.012	0.045	0.018	0.070	0.02	0.01
WA470-5	0.020	0.076	0.014	0.054	0.014	0.052	0.025	0.095	0.02	0.01
WA470-6**	0.020	0.076	0.017	0.065	0.0153	0.058	0.023	0.087	0.02	0.01
WA470-6R	0.020	0.076	0.017	0.065	0.015	0.058	0.023	0.087	0.02	0.01
WA470-7	0.020	0.076	0.017	0.065	0.015	0.057	0.023	0.087	0.02	0.01
WA470-8	0.020	0.076	0.017	0.065	0.015	0.058	0.023	0.087	0.02	0.01
WA480-6**	0.020	0.076	0.017	0.065	0.016	0.059	0.023	0.087	0.02	0.01
WA480-6R	0.020	0.076	0.017	0.065	0.016	0.059	0.023	0.087	0.02	0.01
WA480-8	0.020	0.076	0.017	0.065	0.016	0.060	0.023	0.087	0.02	0.01
WA500-3	0.020	0.074	0.016	0.062	0.021	0.078	0.023	0.088	0.04	0.02
WA500-6, WA500-6R	0.020	0.074	0.020	0.076	0.022	0.084	0.045	0.169	0.04	0.02
WA500-7	0.020	0.074	0.019	0.071	0.025	0.095	0.045	0.169	0.04	0.02
WA500-8	0.020	0.074	0.019	0.071	0.025	0.095	0.045	0.169	0.04	0.02
WA600-3	0.032	0.120	0.029	0.110	0.033	0.124	0.046	0.173	0.04	0.02
WA600-6, WA600-6R	0.045	0.172	0.022	0.083	0.041	0.155	0.059	0.222	0.04	0.02
WA600-8	0.045	0.172	0.021	0.078	0.05	0.19	0.059	0.222	0.04	0.02
WA700-3	0.027	0.104	0.028	0.105	0.083	0.315	0.062	0.235	0.04	0.02
WA800-3	0.070	0.264	0.037	0.140	0.095	0.360	0.096	0.363	0.04	0.02
WA800-3E0	0.069	0.260	0.037	0.140	0.095	0.360	0.096	0.363	0.04	0.02
WA900-3	0.070	0.264	0.037	0.140	0.095	0.360	0.096	0.363	0.04	0.02
WA900-3E0	0.069	0.260	0.037	0.140	0.095	0.360	0.096	0.363	0.04	0.02
WA1200-6	0.148	0.560	0.079	0.300	0.177	0.670	0.180	0.680	0.04	0.02
WD600-3	0.032	0.120	0.029	0.110	0.033	0.124	0.029	0.108	0.04	0.02
WD600-6	0.045	0.172	0.022	0.083	0.041	0.155	0.059	0.222	0.04	0.02
WD600-6R	0.045	0.172	0.022	0.083	0.041	0.155	0.059	0.222	0.04	0.02
WD900-3	0.070	0.264	0.037	0.140	0.095	0.360	0.096	0.363	0.04	0.02

*(1) Includes lubricant oil of compressor for Portable Air Compressor

*(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.

*(3) Includes oils in the brake cooling tank

** With large-capacity torque converter

(5) Motor graders

Application Unit Q'TY	*(1) Crank case		*(2) Transmission		*(3) Final Drives and Axle		Hydraulic Control		Grease	
	US Gal	Liter	US Gal	Liter	US Gal	Liter	US Gal	Liter	lb	kg
GD511A-1	0.010	0.036	0.009	0.034	0.006	0.024	0.008	0.030	0.04	0.02
GD555-5	0.012	0.046	0.012	0.045	0.024	0.091	0.009	0.035	0.04	0.02
GD655-5	0.012	0.046	0.012	0.045	0.024	0.091	0.009	0.035	0.04	0.02
GD663A-2	0.032	0.12	0.009	0.035	0.023	0.086	0.008	0.030	0.04	0.02
GD675-5	0.024	0.092	0.012	0.045	0.024	0.091	0.009	0.035	0.04	0.02
GD705A-4	0.025	0.096	0.006	0.024	0.036	0.137	0.008	0.030	0.04	0.02
GD755-5R	0.02	0.076	0.013	0.05	0.034	0.128	0.007	0.026	0.09	0.04
GD825A-2	0.018	0.068	0.007	0.025	0.040	0.152	0.021	0.080	0.09	0.04

*(1) Includes lubricant oil of compressor for Portable Air Compressor

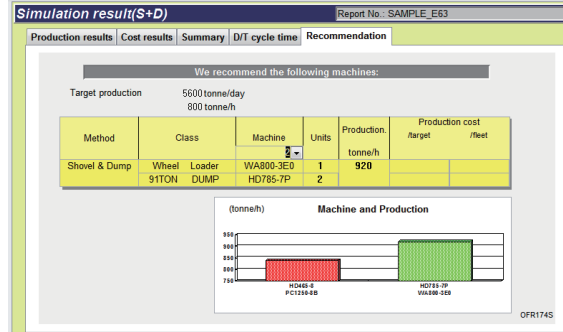
*(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.

*(3) Includes oils in the tandem case of Motor Grader

Fleet Recommendation & Application Engineering

Optimum Fleet Recommendation (OFR) software program OFR V6.3 is available for Komatsu distributors. OFR is able to simulate optimum fleet for the inputted production target with following features.

1. Machine selection based on site conditions and production target.
2. Estimation of each machine's production.
3. Estimation of owning and operating costs.
4. Estimation of production cost.



Available machine type in the database

1. Dump truck
2. Wheel loader
3. Hydraulic excavator
4. Bulldozer

Report contents

1. Production condition, material properties, cost data
2. Optimum machine combination
3. Production
4. Number of units required
5. Production cost

For Customer

Please contact nearest Komatsu distributor with your specific site conditions, application and requirements. Distributor's application engineer will support your fleet evaluation.

Required information. *1

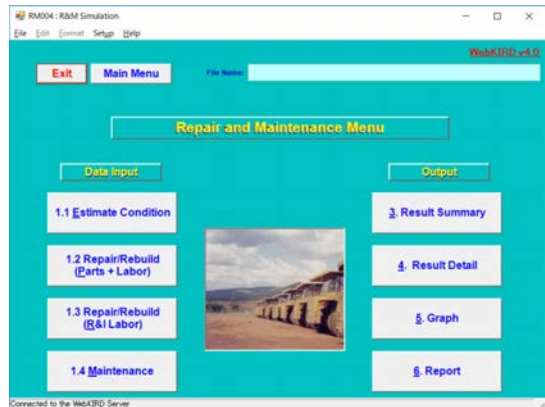
1. Ore type, material density, production target (per year, per hour, operational days, shifts).
2. Haul road profile. (Please ask distributor for application engineering support)

*1 The required information listed above is the most basic items for estimation. To get accurate estimation result, additional information may be further required.

Repair and Maintenance Cost Estimation

For the estimation of Repair and Maintenance cost, repair and maintenance cost estimating software WebKIRD V4.0 (Komatsu Information on Reliability and Durability) is available for Komatsu distributors. By using this software, distributor can calculate Repair and Maintenance cost for Komatsu equipment with local conditions such as followings.

1. Parts price (Each country has different import duty, transportation charge and etc.)
2. Hourly labor charges
3. Lubricants prices
4. Repairing methods (Repair option)
 - Rebuild
 - REMAN (Komatsu component exchange)
5. Man- hours
6. Component and system replacement intervals per operating conditions
 - Application
 - Environments
 - Handling materials (Ore type)
 - Operating methods



For Customer

Please contact the nearest Komatsu distributor with your specific model, application and requirements.

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SECTION **17**

KOMTRAX Sec 17

SECTION **17**

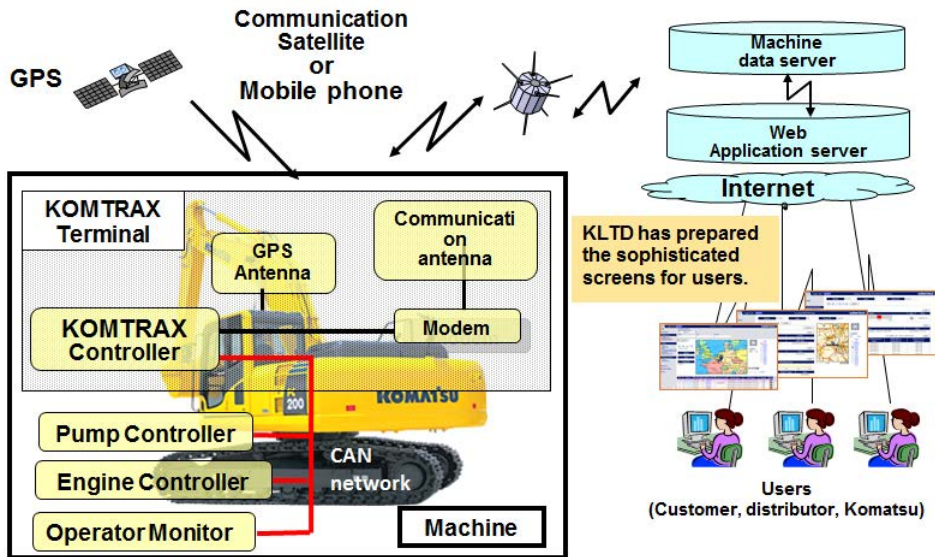
KOMTRAX

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KOMTRAX System 17-2
KOMTRAX Plus 17-3

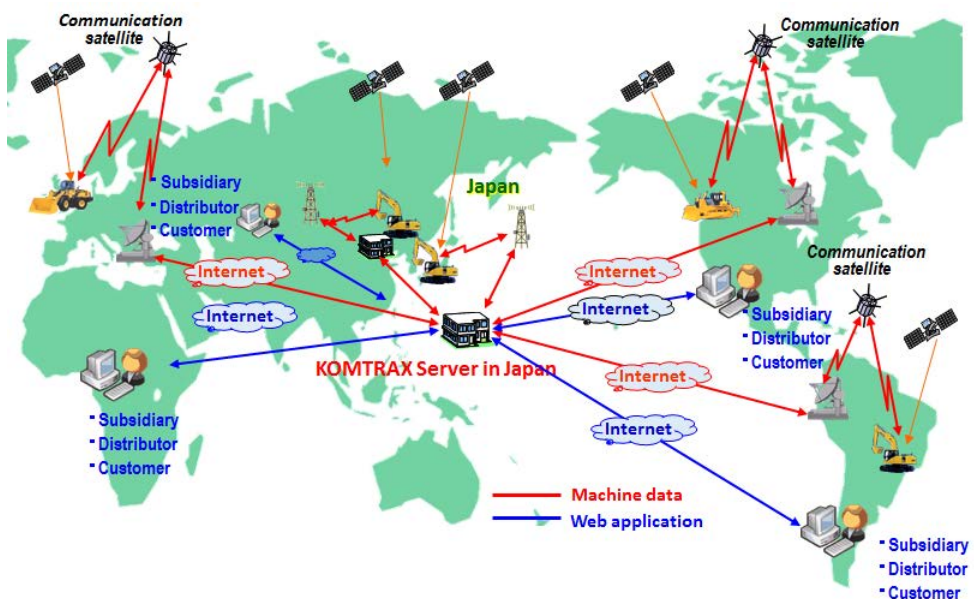
KOMTRAX System Image

- **Ecological operation report for assistance**
KOMTRAX is Komatsu's remote equipment and fleet monitoring system. Wireless technology and a secure Webbased application gives you the information you need to make the best possible operation and management decisions, from location, actual hour worked, and fuel consumption to maintenance monitoring, abnormality codes, and load frequency, in simple to read and understand reports.
- **Guidance to improve fuel consumption**
- **Ecological operation report**
- **Repot operation hours by operation mode(E mode and P mode)**
- **Service information for Tier 4 interim(Regeneration, diagnostics information)**



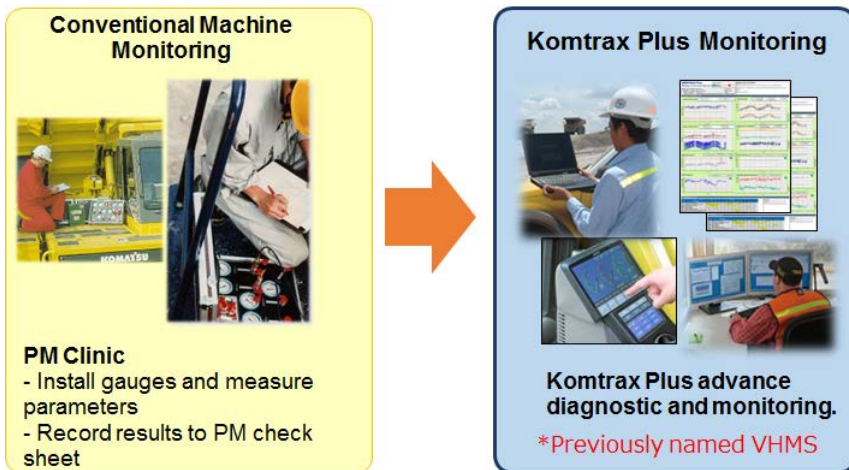
Outline of KOMTRAX Structure

Worldwide KOMTRAX data send to KOMTRAX server in Japan and provide to each region



What is KOMTRAX Plus?

Machine management and diagnostic tool to monitor and evaluate machine's health, performance, and operating condition.



KOMTRAX Plus Merits

Understanding machine's health condition and critical operation parameters

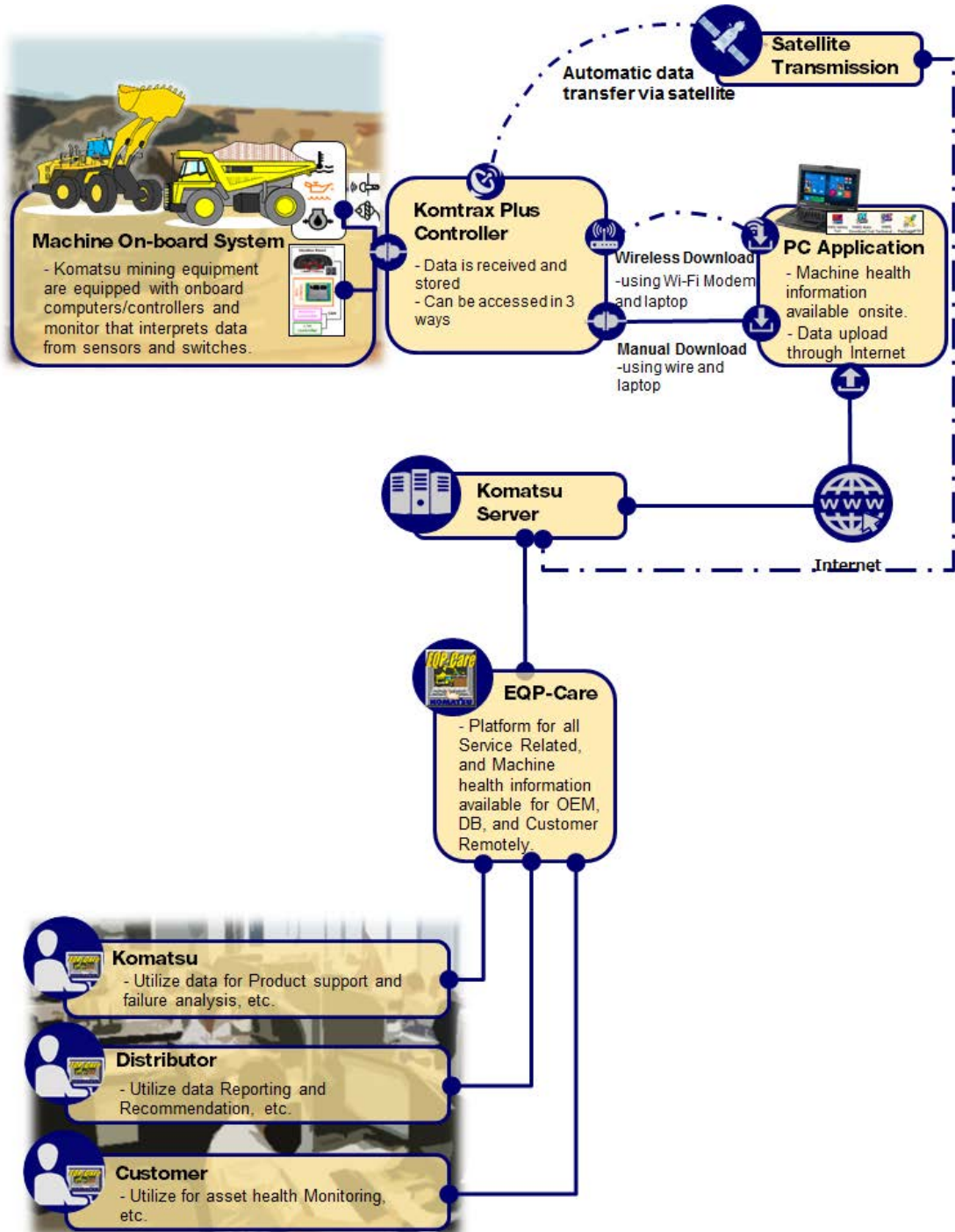
- **“Preventive Maintenance” by health condition monitoring**
 - Repair according to events to be corrected before they cause extensive damage results
 - Improve quality of the trouble shooting process

- Reduce unscheduled downtime
- Optimize component life

Early detection of events by Monitoring

- **Improve/Optimize operation and production (Continuous Improvement Activity)**
 - Operator training opportunities to enhance safety
 - Include production by efficient operation practices

What is KOMTRAX Plus?



UNIT CONVERSION TABLES Sec 18



SECTION **18**

**UNIT CONVERSION
TABLES**

CONTENTS

Unit Conversion Tables 18-2

a. Length

Centimeter (cm)	Meter (m)	Inch (in)	Foot (ft)	Yard (yd)	Mile (M)	Kilometer (km)
1	0.01	0.3937	0.03281	0.01094	1	1.6093
100	1	39.37	3.281	1.0936	0.6214	1
2.540	0.0254	1	0.8333	0.02778		
30.48	0.3048	12	1	0.3333		
91.44	0.9144	36	3	1		

b. Space

Sq. meter (m ²)	Sq. Inch (in ²)	Sq. foot (ft ²)	Sq. yard (yd ²)
1	1550	10.764	1.1960
0.0 ₃ 6452	1	0.0 ₂ 6944	0.0 ₃ 7716
0.09290	144	1	0.11111
0.8361	1296	9	1

c. Volume

Cu. meter(m ³)	Cu. inch(in ³)	Cu. foot(ft ³)	Cu. yard(yd ³)	Imperial Gal	U.S. Gal	Cu. Inch	Liter
1	61024	35.31	1.3079	1	1.201	177.4	4.546
0.0 ₄ 1639	1	0.0 ₃ 5787	0.0 ₄ 2143	0.8327	1	231	3.785
0.02832	1728	1	0.037037	0.0 ₂ 3605	0.0 ₂ 4329	1	0.01639
0.76455	46656	27	1	0.2200	0.2642	61.02	1

d. Weight

Kilogram (kg)	Pound (lb)	Metric Ton (French Ton)	Short Ton (U.S. Ton)	Long Ton (English Ton)	Newton (N)
1	2.2046	0.001	0.0011023	0.0 ₃ 9842	9.80665
0.4536	1	0.0 ₃ 4536	0.0 ₃ 5	0.0 ₃ 4464	4.448
1000	2204.6	1	1.1023	0.9842	9806.65
907.1	2000	0.9072	1	0.8929	8896.5
1016	2240	1.016	1.120	1	9964
0.10197	0.2248	0.0 ₃ 1019	0.0 ₃ 1124	0.0 ₃ 1004	1

e. Pressure

BAR	Kilogram/sq.cm (kg/cm ²)	Pound/sq.in (PSI)	Long ton/sq.ft (Ton/ft ²)	Pascal (Pa)
1	1.0197	14.50	0.9324	100000
0.9807	1	14.22	0.9144	98066.5
0.06895	0.07031	1	0.06429	6895
1.0725	1.0937	15.56	1	107250
0.00001	0.00001020	0.000145	0.0000932	1

f. Velocity

m/sec	km/h	ft/sec.	MPH
1	3.6	3.281	2.237
0.2778	1	0.9113	0.6214
0.3048	1.097	1	0.6818
0.4470	1.609	1.467	1

g. Horsepower

PS	HP	kW	kg.m/s	kCal
1	0.986	0.736	75	0.1757
1.014	1	0.746	76.07	0.1782
1.3592	1.3405	1	101.97	0.2389
0.01333	0.01315	0.009807	1	0.002343
5.6902	5.611	4.186	426.9	1

h. Torque

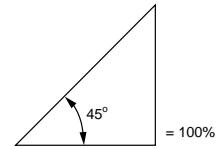
kg.m	ft.lb	N.m
1	7.233	9.807
0.1383	1	1.356
0.1020	0.7375	1

i. Temperature

32°F = 0°C, -459.67°F = -273.15°C, 1°F = 0.5556°C

°F	°C	°F	°C	°F	°C	°F	°C		
-450	-267.78	5	-15.00	55	12.78	150	65.56		
-400	-240.00	10	-12.22	60	15.56	200	93.33		
-350	-212.22	15	-9.44	65	18.33	250	121.11		
-300	-184.44	20	-6.67	70	21.11	300	148.89		
-250	-156.67	25	-3.89	75	23.89	350	176.67		
-200	-128.89	30	-1.11	80	26.67	400	204.44		
-150	-101.11	35	1.67	85	29.44	450	232.22		
-100	-73.33	40	4.44	90	32.22	500	260.00		
- 50	-45.56	45	7.22	95	35.00	550	287.78		
0	-17.78	50	10.00	100	37.78	600	315.56		
°F	1	2	3	4	5	6	7	8	9
°C	0.556	1.111	1.667	2.222	2.778	3.333	3.889	4.444	5
Example: To convert 92°F into °C 90°F = 32.22°C, 2°F = 1.111°C, 90°F+2°F = 33.33°C									

j. Angles of Gradient



Angles of gradient	%	Angles of gradient	%	%	Angles of gradient	%	Angles of gradient
1°	1.75	26°	48.77	1	0°34'	26	14°34'
2	3.49	27	50.95	2	1°00'	27	15°07'
3	5.24	28	53.17	3	1°43'	28	15°39'
4	6.99	29	55.43	4	2°18'	29	16°10'
5	8.75	30	57.74	5	2°52'	30	16°42'
6	10.51	31	60.09	6	3°26'	31	17°13'
7	12.28	32	62.49	7	4°00'	32	17°45'
8	14.05	33	64.94	8	4°34'	33	18°16'
9	15.84	34	67.45	9	5°09'	34	18°47'
10	17.63	35	70.02	10	5°43'	35	19°17'
11	19.44	36	72.65	11	6°17'	36	19°48'
12	21.26	37	75.35	12	6°51'	37	20°18'
13	23.09	38	78.13	13	7°25'	38	20°48'
14	24.93	39	80.98	14	7°58'	39	21°18'
15	26.80	40	83.91	15	8°32'	40	21°48'
16	28.67	41	86.93	16	9°05'	41	22°18'
17	30.57	42	90.04	17	9°39'	42	22°47'
18	32.49	43	93.25	18	10°12'	43	23°16'
19	34.43	44	96.57	19	10°45'	44	23°45'
20	36.40	45	100.00	20	11°19'	45	24°14'
21	38.39	46	103.35	21	11°52'	46	24°42'
22	40.40	47	107.24	22	12°24'	47	25°10'
23	42.45	48	111.06	23	12°57'	48	25°39'
24	44.52	49	115.04	24	13°30'	49	26°06'
25	46.63	50	119.08	25	14°02'	50	26°34'