KOMATSU

PC300-8M2
PC300LC-8M2

Photos may include optional equipment.

Hydraulic excavator

Engine power
Gross: 194 kW / 260 HP@1950 min^{-1}
Net: 187 kW / 250 HP@1950 min^{-1}

Operating weight
PC300-8M2: 31100 - 32010 kg
PC300LC-8M2: 31600 - 32580 kg

Bucket capacity
1.14 m^3 - 1.8 m^3


KOMATSU

Best for standard

Productivity, ecology and economy

- Large digging force
- Two-mode setting for boom
- Fuel saving support functions

Comfort

- Multifunction audio (Optional)(coming soon) New
- Sun roller blind New
- USB port for charging (coming soon) New

Safety

- Complied with ROPS / OPG level 1
- Rear view monitor system (Optional)
- LED lamps New

Imformation and Communication Technology (ICT) and KOMTRAX

- Large multi-lingual high resolution Liquid Crystal Display (LCD) monitor
- Equipment management monitoring system
- KOMTRAX

Maintenance

- Easy access to filters
- Pre-cleaner for dusty condition
- Battery disconnect switch
- Blow-by pressure detection New
- Clogging sensor for hydraulic oil New

Reliability

- High rigidity work equipment
- Grease sealed track
- Track link with strut

Include optional equipment.

Engine power

Gross: 194 kW / 260 HP@1950 min^{-1}
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PC300LC-8M2: 31600 - 32580 kg

Bucket capacity

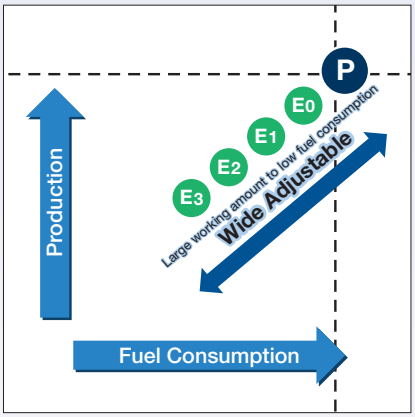
1.14 m^3 - 1.8 m^3

Productivity, ecology and economy

Fuel saving support functions

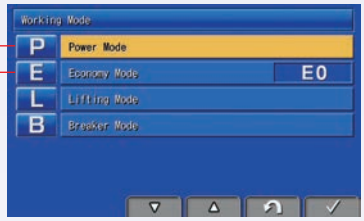
• Just select a working mode that suits your purpose

In P mode, LARGE PRODUCTION is implemented. In E mode, LOW FUEL CONSUMPTION is implemented. E mode can be adjusted widely from E0 to E3 mode, and it adapts flexibly to customer's demands. Komatsu tuned each work mode precisely, ensuring high operability and workability. Just by selecting the work mode, it provides the best performance in demanding applications.

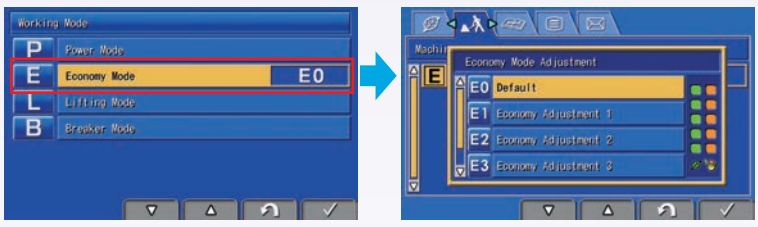


• P (Power mode)
Maximum production
Fast cycle time

• E (Economy mode)
Better fuel consumption



• Easy selectable E mode New
Compared with the conventional model, E0 to E3 can be easily selected on the monitor.



In addition to the above modes there are also the following modes. Please select the appropriate mode according to the application.

Working Mode	Application	Advantages
L	Lifting mode	• Suitable attachment speed • Lifting capacity is increased 7% by raising hydraulic pressure.
B	Breaker mode	• Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode	• Optimum engine rpm, hydraulic flow, 2way • Power mode
ATT/E	Attachment Economy mode	• Optimum engine rpm, hydraulic flow, 2way • Economy mode

Komatsu technology

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 both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment-friendly excavators.

Large digging force

When press the left knob switch which is called the one-touch power max. switch and when it is kept pressed, this function temporarily increases digging force for 8.5 seconds of operation.

Maximum arm crowd force (ISO 6015)

171 kN [17.4 t]

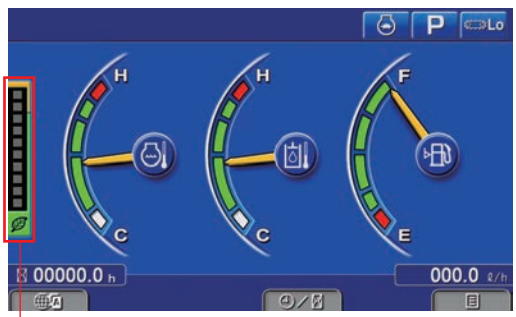
Maximum bucket digging force (ISO 6015)

228 kN [23.1 t]

Measured with Power Max. function, 3185 mm arm and ISO 6015 rating.

ECO gauge that assists energy-saving operations

Equipped with the ECO gauge that can be recognized at a glance on the right of the multi-function color monitor for environment friendly energy-saving operations. Allows focus on operation in the green range with reduced CO_2 emissions and efficient fuel consumption.

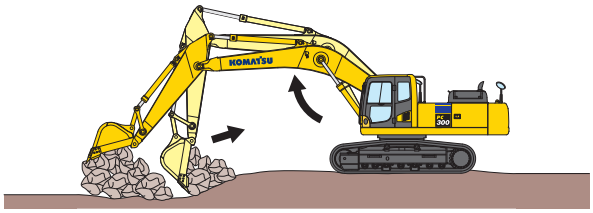


ECO gauge

Two-mode setting for boom

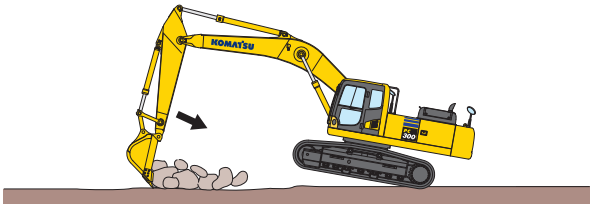
Smooth mode provides easy operation for gathering blasted rock or scraping down operation. When maximum digging force is needed, switch to Power mode for more effective excavating.

Smooth mode



Boom floats upward, reducing lifting of machine front. This facilitates gathering blasted rock and scraping down operations.

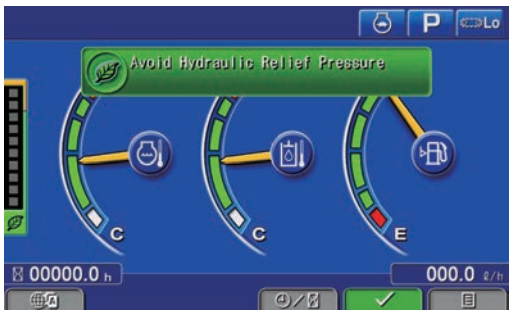
Power mode



Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

Idling caution

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.



Low operation noise

Enables a low noise operation using the low-noise engine and methods to cut noise at source.

Comfort

Suspension seat

Suspension seat with weight adjustment function as standard equipment. This seat can reduce fatigue even in operation for a long time.

Pressurized cab

Pressurizing inside the cab to minimize the dust entering from out side. It can keep cab clean.

Low cab noise

With overwhelming low noise, you can operate without stress. Ambient noise is also reduced, reducing the stress of surrounding workers.

Multifunction audio (Optional) (coming soon) New

It has functions of AM/FM radio and Bluetooth® wireless technology enabled products can be connected.

Automatic A/C

It adjusts automatically to a comfortable temperature throughout the year, even in hot and cold areas.

Low vibration with cab damper mounting

The cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.

Sun roller blind New

Prepared a roller blind which blocks strong sunlight. Reduce sunlight at any time of day.

USB port for charging (coming soon) New

12 V power supply

Magazine box

Luggage box

Safety

Complied with ROPS/OPG level 1

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock-absorption performance, featuring excellent durability and impact strength. It also satisfies the requirements of OPG top guard level 1 (ISO 10262) for falling objects. Combined with the retractable seat belt, The ROPS cab protects the operator in case of tipping over and against falling objects.

Thermal guard, fan guard

Preventing direct contact to high temperature parts or the finger being caught by fan when checking around the engine, by installing thermal guards and fan guard.

Rear view monitor system (Optional)

A rear view monitor system display has a rear view camera image that is continuously displayed together with the gauges and important vehicle information. This enables the operator to carry out work while easily checking the surrounding area. Even if it is on another screen, it changes to the rear camera image at the same time as the any operation lever is operated.

Cab guard:

Front full height guard level 1 (ISO 10262) (Optional)

OPG top guard level 2 (ISO 10262) (Optional)

Lock lever

Pump/Engine room partition

Large side-view, rear and sidewise mirrors

Large handrail

Slip-resistant plates

LED lamps New

ICT and KOMTRAX

Large multi-lingual high resolution LCD monitor

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 15 languages to globally support operators around the world.

Indicators

1. Auto-decelerator
2. Working mode
3. Travel speed
4. Engine water temperature gauge
5. Hydraulic oil temperature gauge
6. Fuel gauge
7. ECO gauge
8. Fuel consumption gauge
9. Function switches menu
10. Language select

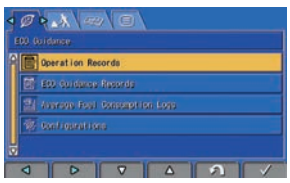
Basic operation switches

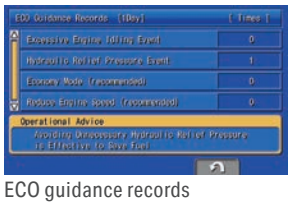
1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Window washer

Supports efficient operation

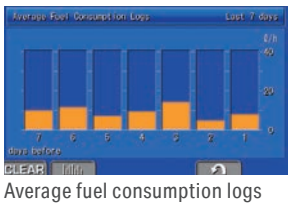
The main screen displays advices for promoting energy-saving operations as needed.
The operator can use the ECO guidance menu to check the operation records, ECO guidance records, average fuel consumption logs, etc.


ECO guidance


ECO guidance menu


ECO guidance records


Operation records


Average fuel consumption logs

Simplified selection of languages and new languages added. New

It supports 15 languages including newly added languages. Language selection has become extremely easy.

Equipment management monitoring system

• Monitor function

Controller monitors engine oil level, coolant temperature, battery charge air clogging, etc. If the controller finds any abnormality, it is displayed on the LCD.

• Maintenance function

The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

• Trouble data memory function

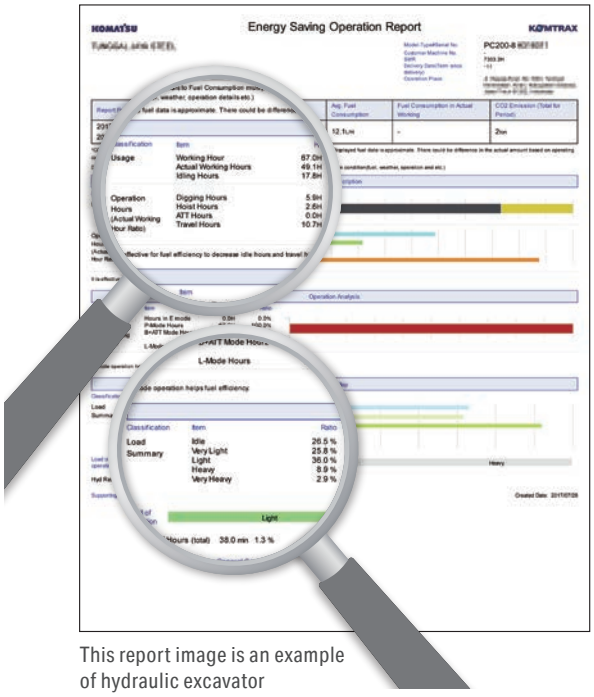
Monitor stores abnormalities for effective troubleshooting.

KOMTRAX

The Komatsu remote monitoring and management technology provides insightful data about your equipment and fleet in user-friendly format.

Energy saving operation report

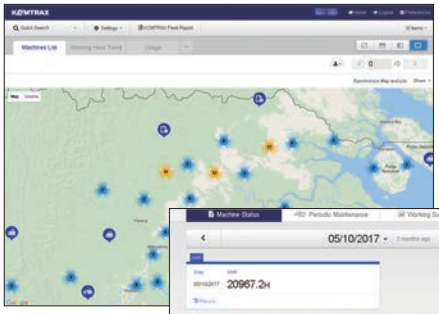
KOMTRAX delivers the energy-saving operation report based on the operating information such as fuel consumption, load summary and idling time, which helps you efficiently run a business.



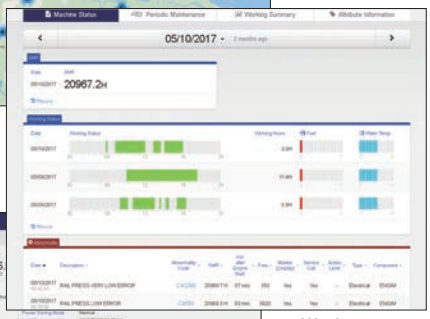
This report image is an example of hydraulic excavator

Equipment management support

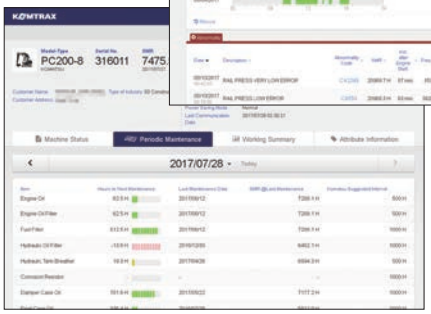
Through the web application, a variety of search parameters are available to quickly find information about specific machines based on key factors. Moreover, KOMTRAX finds out machines with problems from your fleet and shows you through an optimal interface.



Location



Working status



Periodic maintenance

The report contents and data depend on the machine model.

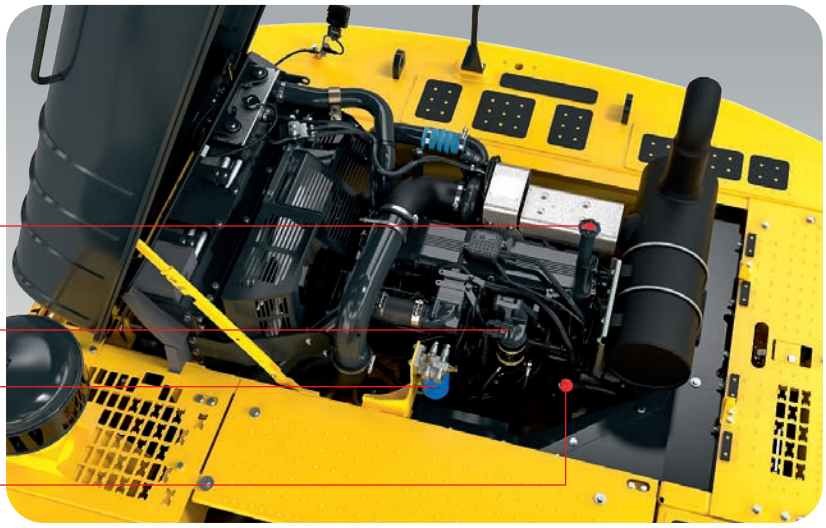
Optimal strategy for efficient work

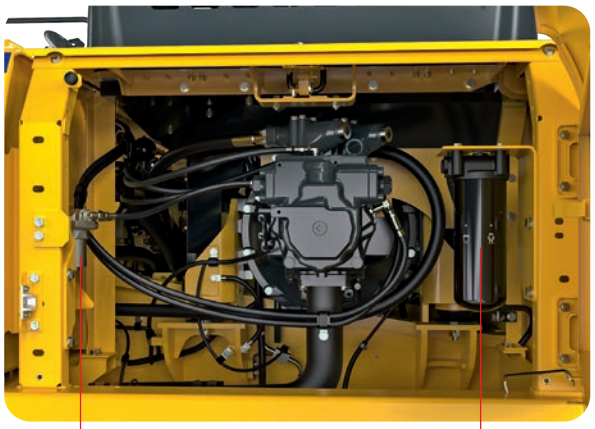
The detailed information that KOMTRAX puts at your fingertips helps you manage your fleet conveniently on the web anytime, anywhere. It gives you the power to make better daily and long-term strategic decisions.

Maintenance

Easy access to filters

The engine oil and fuel filters are conveniently located for ready access when opening the door or hood.





Long-life oil, Filter

Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

Engine oil & Engine oil filter	every **500** hours
Hydraulic oil	every **5000** hours
Hydraulic oil filter	every **1000** hours

Easy maintenance time management

The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

Blow-by pressure detection New

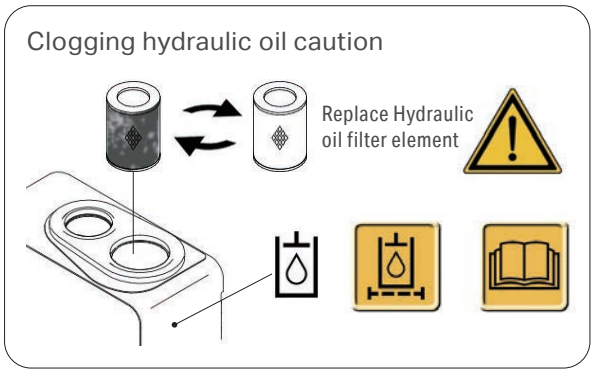
Failure detection of engine by monitoring blow-by gas pressure. Detect the blow by pressure to grasp the operating condition of the engine and prevent malfunction beforehand. KOMATSU prepared a sensor that can remotely and continuously monitor the blow-by pressure, which is the main criterion for engine overhaul, by KOMTRAX. It also increases the resale value of the machine.

Easy to know maintenance time when using breaker

In addition to the above functions, it monitors the breaker usage time. Since the replacement time will be changed depending on the breaker usage time, monitor can notify the optimum replacement time.

Detect abnormality of hydraulic circuit clogging sensor for hydraulic oil as standard New

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 sensor for breaker line (Optional)

High-capacity air cleaner

High capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life during long-term operation and prevents early clogging and resulting power decrease.
Reliability is improved by a new seal design.

Pre-cleaner for dusty condition

Even in dusty places, by installing pre-cleaner coupled with the large air cleaner, the frequency of cleaning the air cleaner will be reduced.

Battery disconnect switch

A battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing or maintenance the machine. Also, minimize discharge of the battery during long-term non operation. System operating lamp tells the timing of disconnect the switch to prevent controller failures.

Other features

- Fuel line contamination prevention
- Fuel drain valve
- Engine oil drain valve
- Easy to check level of hydraulic oil

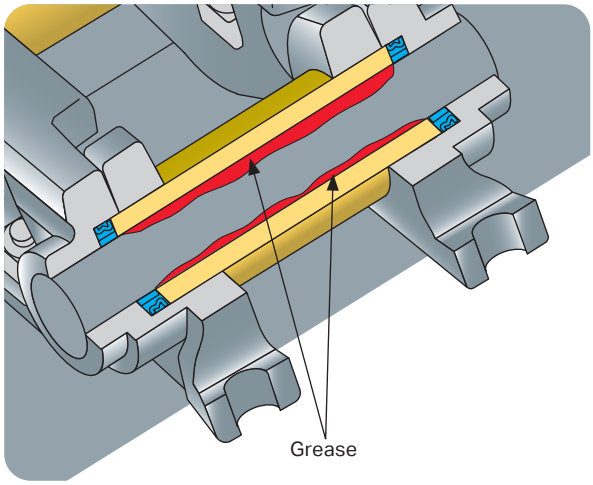
Reliability

High rigidity work equipment

Boom and arms are constructed of thick plates of high tensile strength steel. In addition, these structures are designed with large cross- sectional areas and generous use of castings. The result is working attachments that exhibit long term durability and high resistance to bending and torsional stress.

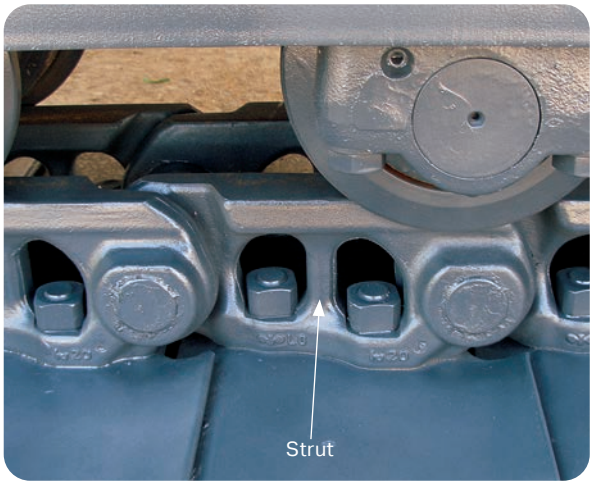
Grease sealed track

PC300-8M2 uses grease sealed tracks for extended undercarriage life.



Track link with strut

PC300-8M2 uses track links with strut, providing superb durability.



Sturdy frame structure

The revolving frame, center frame and undercarriage are designed by using the most advanced three-dimensional CAD and Finite Element Method (FEM) analysis technology.

Reliable components

All of the major machine components, such as engine, hydraulic pumps, hydraulic motors and control valves are exclusively designed and manufactured by Komatsu.

Highly reliable electronic devices

Exclusively designed electronic devices have passed severe testing.

- Controller
- Sensors
- Connectors
- Heat resistant wiring

Special specification

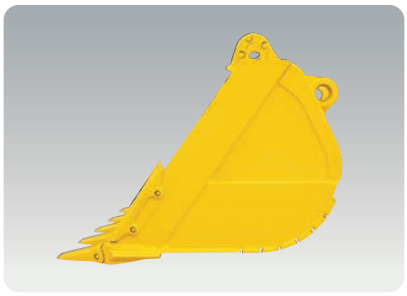
Attachment piping specification

Equips PC300-8M2 for breaker and crusher installation. Hydraulic flow rate can be regulated by setting Breaker Mode on monitor panel during breaker operation.

KOMATSU brand bucket

KOMATSU brand bucket for general purpose with wide bucket width

Me bucket
- Low resistant excavation
- High productivity
- High durability
- High fuel efficiency


Conventional


Me bucket

Category and Feature

Category	Load / Wear / Soil (Application)	Image
Light duty LD	**Load** Machine power remains low during the majority of the work. No impact load. **Wear** Material is not abrasive. **Soil** Dirt, loam and clay.	
General purpose GP	**Load** Machine power is mostly medium, but occasionally high. Bucket movements are smooth with minor shock load. Bucket penetrates easily. **Wear** Material is lightly abrasive. Some sand may be medium abrasive. **Soil** Mostly loose sand, gravel and finely broken materials.	
Heavy duty HD	**Load** Machine power is high during majority of the work. Medium, but continuous shock load. **Wear** Material is abrasive. Light scratch marks can be seen at the bucket. **Soil** Limestone, shot rock, compact mix of sand, gravel and clay.	
Extra heavy duty XHD	**Load** Machine power is high during most of the work, often at maximum. Dynamic shock loads are frequent and machine may shake. **Wear** Material is very abrasive. Large scratch marks are visible and, or deform metal. Works within heaps of rock with occasional un-shot rock and rock boulders. **Soil** Granite, basalt, quartz sand, compact and sticky clay.	

Bucket line-up

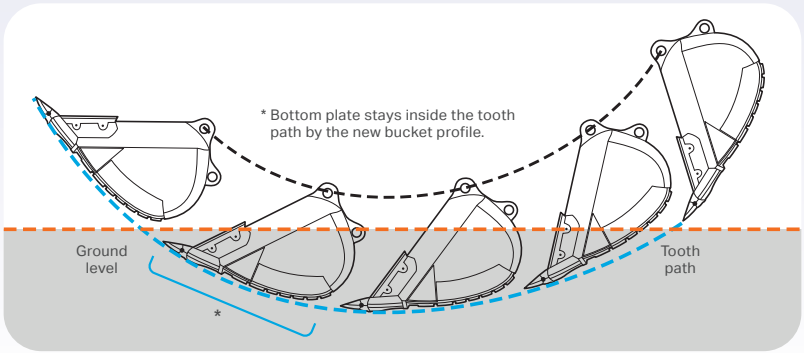
Category	Bucket type	Capacity (m^3)	Width*1 (mm)	Weight*2 (kg)	Tooth quantity	Boom + Arm (m)						Tooth type
						Standard undercarriage (600 mm shoes)			Long undercarriage (600 mm shoes)			
						6.47+2.22	6.47+2.55	6.47+3.19	6.47+2.22	6.47+2.55	6.47+3.19	
LD*3	Conventional	1.8	– <1700>	1150	6	◎	◎	○	◎	◎	○	Vertical
		1.8	– <1700>	1150	6	◎	◎	○	◎	◎	○	Horizontal / PAB*4
GP	Conventional	1.14	1275<1145>	910	4	◎	◎	◎	◎	◎	◎	Horizontal / PAB*4
		1.4	1460<1340>	1015	5	◎	◎	◎	◎	◎	◎	Vertical
		1.4	1460<1340>	1015	5	◎	◎	◎	◎	◎	◎	Horizontal / PAB*4
		1.6	1645<1515>	1110	6	◎	◎	◎	◎	◎	◎	Vertical
		1.6	1645<1515>	1110	6	◎	◎	◎	◎	◎	◎	Horizontal / PAB*4
		1.6	1645<1515>	1110	6	◎	◎	◎	◎	◎	◎	KMAX
HD	Conventional	1.4	1460<1460>	1460	5	◎	◎	◎	◎	◎	◎	Horizontal / PAB*4
	Me bucket	1.4	1500<1500>	1460	5	◎	◎	◎	◎	◎	◎	Horizontal / PAB*4
		1.6	1640<1540>	1610	5	◎	◎	□	◎	◎	○	KMAX

*1 With side cutters or side shrouds, < > without side cutters or side shrouds *2 With side cutters *3 No specifications with side cutters *4 PAB: Pin And Bushing system
◎: Density up to 2.1 t/m^3 ○: Density up to 1.8 t/m^3 □: Density up to 1.5 t/m^3

Feature of [Me bucket] (More suitable shape and effectiveness bucket)

- **High productivity by low-resistant excavation**

The new Ideal bucket profile produces lower resistance at inside & outside bucket and production will be greatly increased.



Feature of [PAB tooth] (Pin and bushing system tooth)

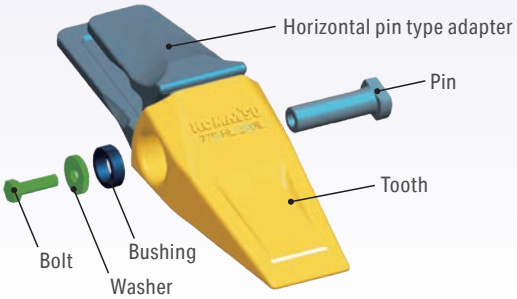
- Able to fit on the bucket with horizontal pin type adapter
- Easy change-out only with a ratchet wrench
- Longer tooth life by easy rotation and turnover
- Durable and reusable PAB pin with flat surface

Limited to where horizontal pin type tooth is mainly used.


Set PAB tooth to horizontal pin type adapter


Insert exclusive pin to the adapter pin hole


Set bushing, washer and bolt and tighten by a ratchet wrench



PAB tooth line-up

Type	Integrated long life IL	Heavy standard HS	Heavy rock HR
Style			

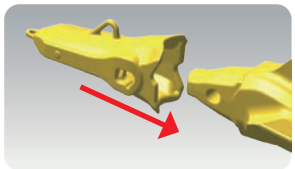
KPRIME Tooth

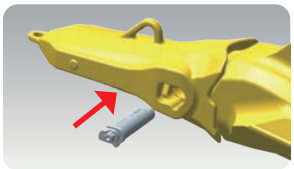
Safety enhancements
- Intuitive locking system
- Pry slots on tooth and wear cap for easier removal of worn parts
- Low torque pin for easy tooth changes
- Weights marked on all parts

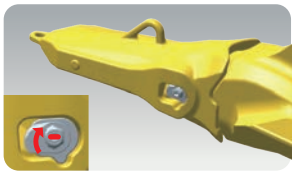
Productivity
- 10% - 15% increased usable wear material
- Improved penetration by up to 15%
- Wear indicators on wear cap and fastener
- Rotatable tooth for extended life
- Wear material added to adapter legs for longer wear life
- Designed to stay sharp for the life of the tooth

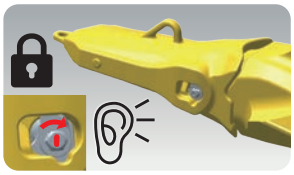
Reliability
- 10% stronger design reduces breakage
- Improved pin design prevents unlocking after extended use
- Optimized design reduces wear on adapters
- Improved stability through tighter fit design of tooth to adapter

Kprime tooth installation


1 Place tooth on Kprime adapter


2 Insert Kprime pin


3 Rotate the pin locking shaft CW90° to lock teeth


4 'Clack' sound indicates locked position

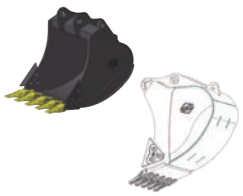
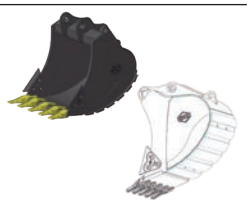
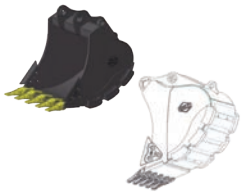
*To remove fasterner, use the correct size socket to rotate the pin locking shaft 90° counter-clockwise. Making sure click sound to finish the removal.

Hensley brand bucket

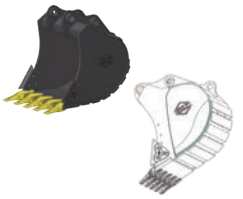
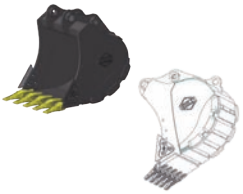
Features the Kprime™ tooth system
Quality design and construction
Wide range of styles, widths and capacities, to maximize production

Category and Recommended applications guide

HP series buckets feature a dual taper / dual radius design profile and include one-piece blade (T-1), side kick plate (400 BHN), one-piece side plate, lip (T-1), and formed beam upper structure

Category	Product features	Recommended application	Image
Heavy duty HP	Full bottom wear plate (400 BHN) Strike offs	Soil/Clay Loam Coal Sand Gravel	
Severe duty HPS	Full bottom wear plate (400 BHN) Wear strips (400 BHN) Strike offs	High silica sand Caliche/ sandstone Well shot limestone Shale	
Extreme duty HPX	Full bottom wear plate (400 BHN) Wear strips (400 BHN) Cast corner heel shrouds Strike offs	Granite Ore Limestone Broken slag	

X series buckets feature a semi flat floor profile and include one-piece blade (T-1), side kick plate (400 BHN), one-piece side plate, lip (T-1), formed beam upper structure and full bottom plate

Category	Product features	Recommended application	Image
Heavy duty XP	Full bottom wear plate (400 BHN) Strike offs or Reversible vertical shrouds	Soil/Clay Loam Coal Sand Gravel	
Severe duty XPS	Full bottom wear plate (400 BHN) Wear strips Strike offs or Reversible vertical shrouds	High silica sand Caliche/ sandstone Well shot limestone Shale	
Extreme duty XPSX	Full bottom wear plate (400 BHN) Wear strips Cast corner heel shrouds Strike offs or Reversible vertical shrouds	Granite Ore Limestone Broken slag	

Bucket line-up

Category	Capacity (m^3)	Width*1 (mm)	Weight*2 (kg)	Tooth quantity	Boom + Arm (m)		
					Standard undercarriage (600 mm shoes)		
					6.47+2.22	6.47+2.55	6.47+3.19
HP	1.18	914	1318	4	◎	◎	◎
	1.7	1219	1610	5	◎	○	□
	1.96	1372	1933	6	□	□	●
	2.22	1524	1880	6	□	●	×
HPS	1.18	914	1401	4	◎	◎	◎
	1.70	1219	1740	5	◎	○	●
	1.96	1372	1907	6	□	□	●
	2.22	1524	2049	6	●	●	×
HPX	1.18	914	1504	4	◎	◎	◎
	1.70	1219	1875	5	○	○	●
	1.96	1372	2030	6	□	●	●
	2.22	1524	2169	6	●	●	×
XP	1.18	914	1235	4	◎	◎	◎
	1.70	1219	1469	5	◎	○	□
	1.96	1372	1600	6	○	□	●
	2.22	1524	1715	6	□	●	●
XPS	1.18	914	1345	4	◎	◎	◎
	1.70	1219	1618	5	◎	○	□
	1.96	1372	1769	6	○	□	●
	2.22	1524	1904	6	□	●	×
XPSX	1.18	914	1435	4	◎	◎	◎
	1.70	1219	1708	5	◎	○	□
	1.96	1372	1987	6	□	□	●
	2.22	1524	1994	6	□	●	×

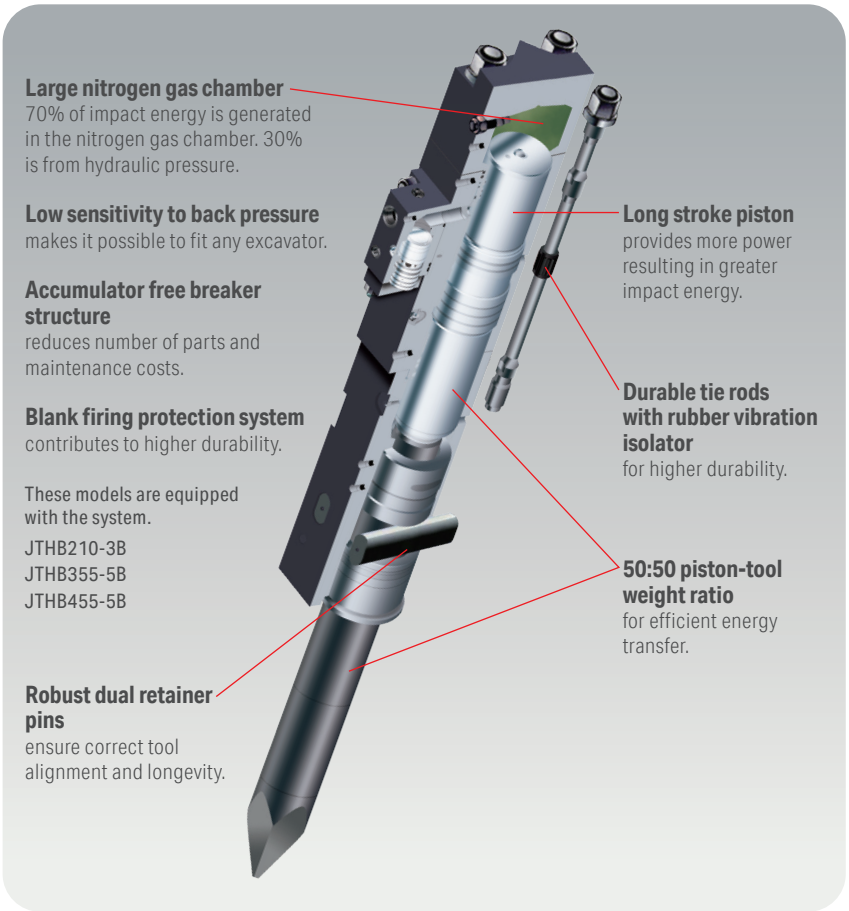
◎:Specific density less than 2.1 t/m^3 ○:Specific density less than 1.8 t/m^3
□:Specific density less than 1.5 t/m^3 ●:Specific density less than 1.2 t/m^3 ×:Not usable
*1 With side cutters or side shrouds *2 With side cutters

Category	Feature	Style
Flare F	Loose material for clean bottom and greater fill	
Standard SC	General applications	
Pick chisel PC	General purpose tooth designed for penetration	
Rock chisel RC	Designed for penetration and longer wear life	
Tiger T	Offers best penetration in tight material	
Twin tiger YT	Designed for penetration for corners	

Breaker

Komatsu's JTHB breakers deliver exceptional impact energy, offer longevity with low operating costs. Additionally, they minimize operator fatigue and environmental impact. These unique benefits are all due to an innovative blend of a simple yet efficient design and advanced 'accumulator-free' technology. Komatsu breaker, JTHB355-5B is optimum for Komatsu PC300 series and ideal for applications from construction and demolition to recycling, mining and quarrying.

• Innovative features, real benefits



Model		JTHB355-5B
Working weight	Top mount box bracket	2880 kg
Oil flow		180 - 230 L/min
Operating pressure		13 - 18 MPa
Impact rate		350 - 450 bpm
Tool diameter		Φ155 mm
Hose size		1 inch
N2 gas pressure		0.95 MPa

Support

Komatsu total support

Komatsu Distributer is ready to provide variety of support before and after procuring machine to keep customers machine available and minimize operation cost.

Fleet recommendation

Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

Product support

Komatsu Distributor secure the quality of machine by offering quality repair and maintenance servises to the customer using Komatsu developed programs.

- Preventive Maintenance (PM) Clinic
- Komatsu Oil and Wear Analysis (KOWA)
- Undercarriage inspection service, etc.

Genuine parts and genuine oil

Komatsu Distributor will promptly and smoothly offer genuine parts and genuine oil guaranteed quality to various jobsites. Genuine oil is developed by Komatsu so that it is best matched for our Komatsu engines and hydraulic components. It maximizes engine and hydraulic components performance and prolong life.

Service contract

Komatsu Distributor offers several service package of repair and maintenance for a contracted period with optimum cost. Customer can be "worry-free" trusting Komatsu Distributor skilled service.

Extended warranty

Extended warranty with several options available. Komatsu guarantee skilled repair with genuine parts and protection from unexpected expenses.

Operator training

Komatsu Distributor can provice excellent operator training which enables them to operate machine safely & efficiently and to maintain machine properly.

Specifications

Engine

Model	Komatsu SAA6D114E-3
Type	Water-cooled, 4-cycle, direct injection
Aspiration	Turbocharged, aftercooled
Number of cylinders	6
Bore	114 mm
Stroke	135 mm
Piston displacement	8.27 L
Engine power	
SAE J1995	Gross 194 kW / 260 HP
ISO 14396	194 kW / 260 HP
ISO 9249 / SAE J1349	Net 187 kW / 250 HP
Rated rpm	1950 min^{-1}
Fan drive method for radiator cooling	Mechanical
Governor	All-speed control, electronic

U.S. EPA Tier 3 and EU Stage 3A emissions equivalent.

Hydraulic system

Type	HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
Number of selectable working modes	6
Main pump	
Type	Variable displacement piston type
Pumps for	Boom, arm, bucket, swing, and travel circuits
Maximum flow	535 L/min
Supply for control circuit	Self-reducing valve
Hydraulic motors	
Travel	2 x axial piston motor with parking brake
Swing	1 x axial piston motor with swing holding brake
Relief valve setting	
Implement circuits	37.3 MPa 380 kgf/cm^2
Travel circuit	37.3 MPa 380 kgf/cm^2
Swing circuit	27.9 MPa 285 kgf/cm^2
Pilot circuit	3.2 MPa 33 kgf/cm^2
Hydraulic cylinders (number of cylinders – bore x stroke x rod diameter)	
Boom	2–140 mm x 1480 mm x 100 mm
Arm	1–160 mm x 1825 mm x 110 mm
Bucket for 3.19 m arm	1–140 mm x 1285 mm x 100 mm
for 2.55 m arm	1–150 mm x 1285 mm x 110 mm
for 2.22 m arm	1–150 mm x 1285 mm x 110 mm

Drives and brakes

Steering control	2 levers with pedals
Drive method	Hydrostatic
Maximum drawbar pull	264 kN 26900 kgf
Gradeability	70%, 35°
Maximum travel speed	
Lo(Auto-shift) / Mid(Auto-shift) / Hi	3.2 / 4.5 / 5.5 km/h
Service brake	Hydraulic lock
Parking brake	Mechanical disc brake

Swing system

Drive method	Hydrostatic
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Service brake	Hydraulic lock
Holding brake / swing lock	Mechanical disc brake
Swing speed	9.5 min^{-1}

Undercarriage

Center frame	X-frame
Track frame	Box-section
Seal of track	Sealed track
Track adjuster	Hydraulic
Number of shoes (each side)	
PC300-8M2	45
PC300LC-8M2	48
Number of carrier rollers (each side)	2
Number of track rollers (each side)	
PC300-8M2	7
PC300LC-8M2	8

Coolant and lubricant capacity (refilling)

Fuel tank	605 L
Coolant	31.0 L
Engine	37.0 L
Final drive (each side)	9.0 L
Swing drive	16.5 L
Hydraulic tank	188 L

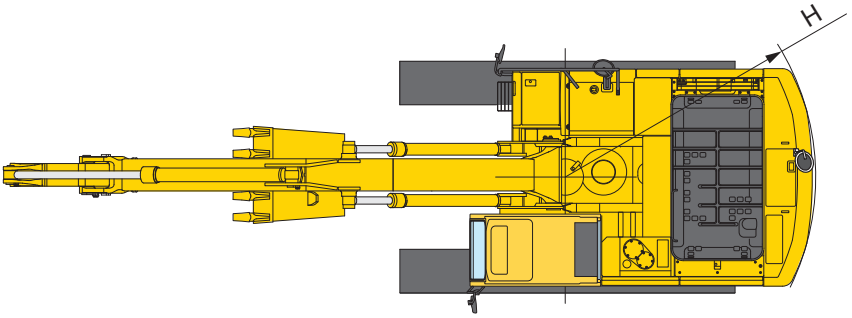
Operating weight (approximate)

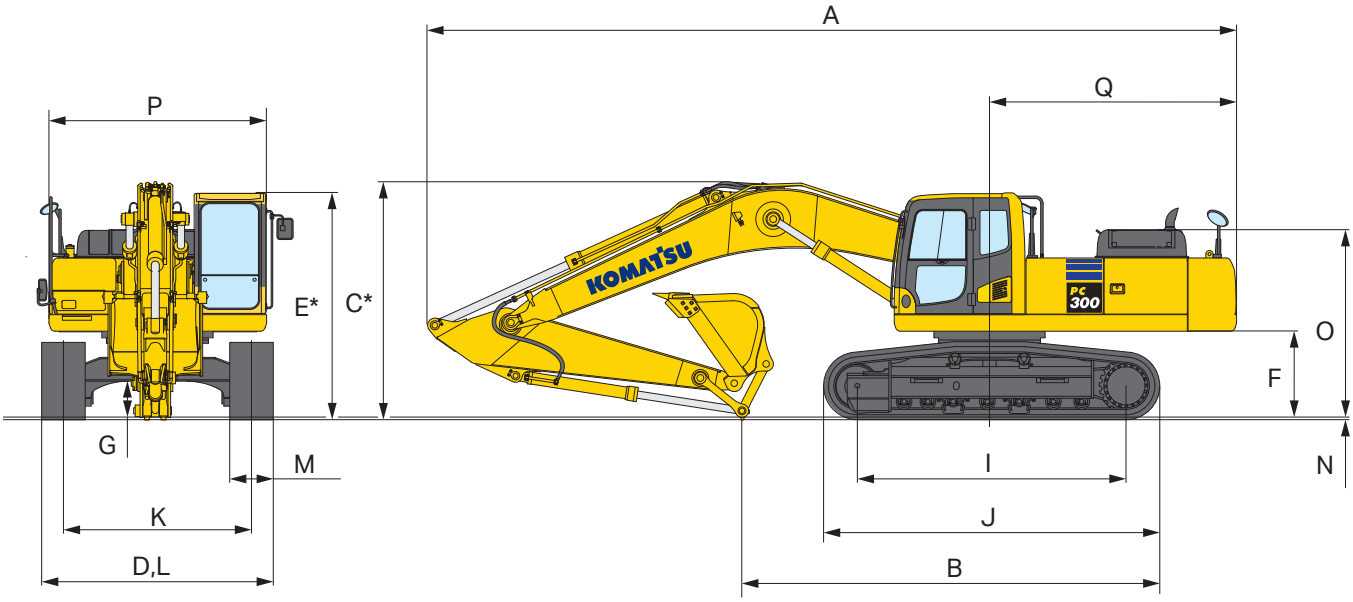
Operating weight including 6470 mm one-piece boom, 3185 mm arm, heaped 1.40 m^3 backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Shoes	PC300-8M2		PC300LC-8M2	
	Operating weight	Ground pressure	Operating weight	Ground pressure
600 mm	31100 kg	62.9 kPa 0.64 kgf/cm^2	31600 kg	59.0 kPa 0.60 kgf/cm^2
700 mm	31660 kg	54.8 kPa 0.56 kgf/cm^2	32200 kg	51.6 kPa 0.53 kgf/cm^2
800 mm	32010 kg	48.5 kPa 0.49 kgf/cm^2	32580 kg	45.7 kPa 0.47 kgf/cm^2

Machine dimensions		PC300-8M2 / PC300LC-8M2	PC300-8M2 / PC300LC-8M2	PC300-8M2 / PC300LC-8M2
Boom length		6470 mm	6470 mm	6470 mm
Arm length		2220 mm	2550 mm	3185 mm
A	Overall length	11300 mm	11180 mm	11140 mm
B	Length on ground (transport)	7320 / 7495 mm	6685 / 6860 mm	5755 / 5930 mm
C	Overall height (to top of boom)*	3480 mm	3450 mm	3285 mm
D	Overall width	3190 mm	3190 mm	3190 mm
E	Overall height (to top of cab)*	3145 mm	3145 mm	3145 mm
F	Ground clearance, counterweight	1185 mm	1185 mm	1185 mm
G	Minimum ground clearance	500 mm	500 mm	500 mm
H	Tail swing radius	3450 mm	3450 mm	3450 mm
I	Length track on ground	3700 / 4030 mm	3700 / 4030 mm	3700 / 4030 mm
J	Track length	4625 / 4955 mm	4625 / 4955 mm	4625 / 4955 mm
K	Track gauge	2590 mm	2590 mm	2590 mm
L	Width of crawler	3190 mm	3190 mm	3190 mm
M	Shoe width	600 mm	600 mm	600 mm
N	Grouser height	36 mm	36 mm	36 mm
O	Machine cab height	2585 mm	2585 mm	2585 mm
P	Machine cab width	3090 mm	3090 mm	3090 mm
Q	Distance, swing center to rear end	3405 mm	3405 mm	3405 mm

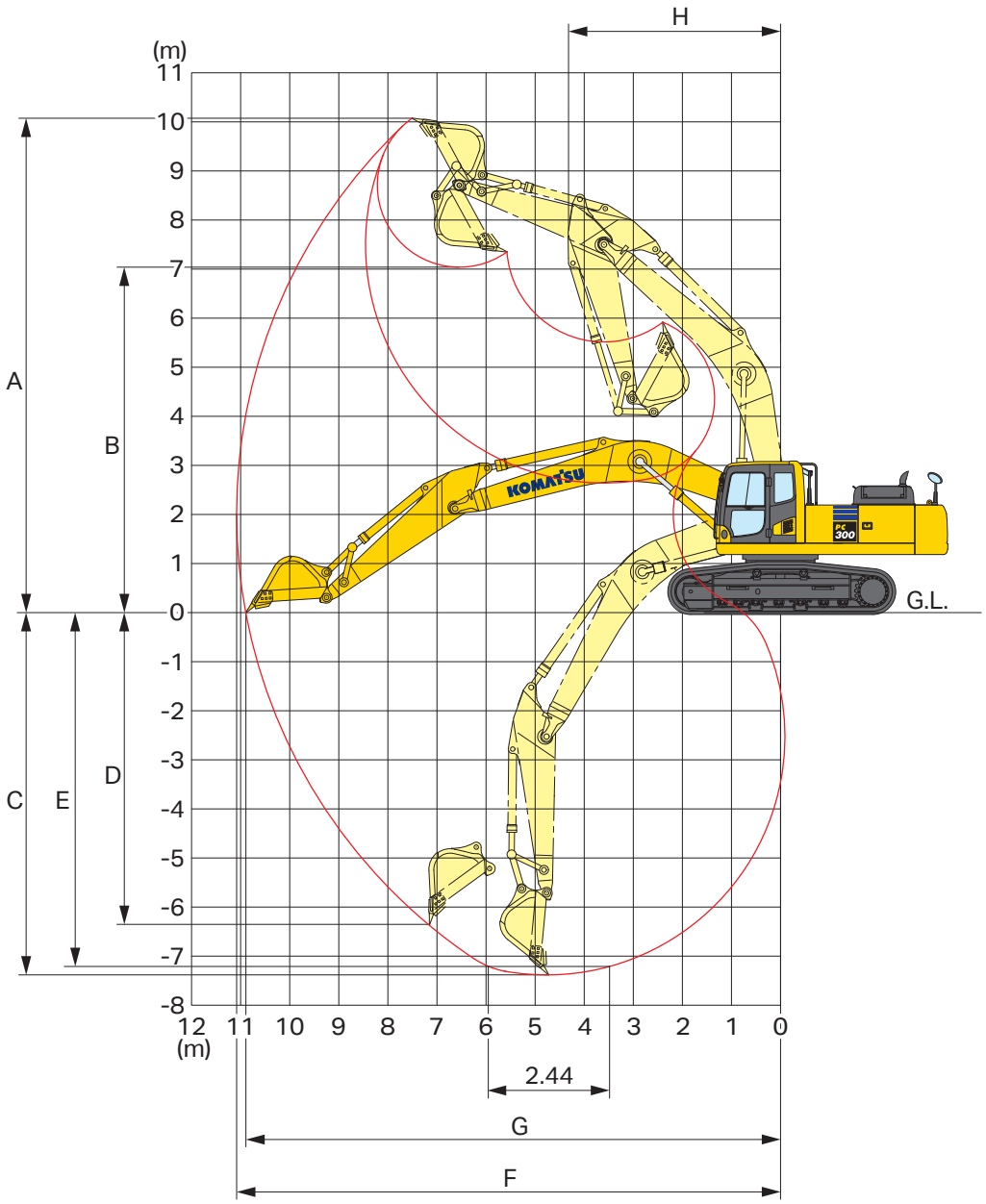
* Including grouser height



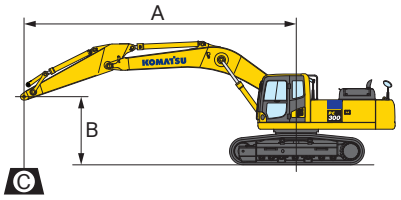


Specifications

Working range	PC300-8M2 / PC300LC-8M2	PC300-8M2 / PC300LC-8M2	PC300-8M2 / PC300LC-8M2
Boom length	6470 mm	6470 mm	6470 mm
Arm length	2220 mm	2550 mm	3185 mm
A Max. digging height	9460 mm	9965 mm	10100 mm
B Max. dumping height	6520 mm	6895 mm	7050 mm
C Max. digging depth	6400 mm	6750 mm	7380 mm
D Max. vertical wall digging depth	4890 mm	5880 mm	6400 mm
E Max. digging depth of cut for 2440 mm level	6130 mm	6520 mm	7180 mm
F Max. digging reach	10120 mm	10550 mm	11100 mm
G Max. digging reach at ground level	9910 mm	10355 mm	10920 mm
H Min. swing radius	4470 mm	4450 mm	4310 mm
Bucket digging force (ISO 6015)	259 kN	259 kN	228 kN
Arm crowd force (ISO 6015)	235 kN	201 kN	171 kN



Lifting capacity



PC300-8M2

A: Reach from swing center
B: Arm top pin height
C: Lifting capacity

Cf: Rating over front
Cs: Rating over side
⛒: Rating at maximum reach

PC300-8M2 Boom: 6470 mm Arm: 2220 mm Without bucket Shoe: 600 mm triple grouser

A / B	MAX	⛒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
7.5 m	6.37 m	*10000 kg	7450 kg					*10100 kg	8300 kg				
6.0 m	7.43 m	7900 kg	5700 kg					*10450 kg	8100 kg				
4.5 m	8.07 m	6750 kg	4850 kg			7600 kg	5450 kg	10800 kg	7650 kg	*15050 kg	11700 kg		
3.0 m	8.39 m	6200 kg	4400 kg			7350 kg	5200 kg	10250 kg	7150 kg				
1.5 m	8.43 m	6050 kg	4250 kg			7150 kg	5000 kg	9850 kg	6800 kg				
0 m	8.20 m	6200 kg	4350 kg			7000 kg	4900 kg	9650 kg	6600 kg	15250 kg	9950 kg		
−1.5 m	7.66 m	6850 kg	4800 kg			7000 kg	4900 kg	9650 kg	6600 kg	15350 kg	10050 kg		
−3.0 m	6.76 m	8300 kg	5800 kg					9800 kg	6750 kg	*13250 kg	10300 kg	*14700 kg	*14700 kg
−4.5 m	5.28 m	*7500 kg	*7500 kg							*8800 kg	*8800 kg		

PC300-8M2 Boom: 6470 mm Arm: 2550 mm Without bucket Shoe: 600 mm triple grouser

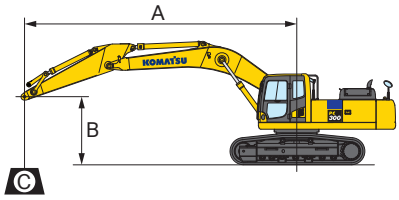
A / B	MAX	⛒MAX		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	6.94 m	9050 kg	6550 kg										
6.0 m	7.91 m	7150 kg	5200 kg			7850 kg	5700 kg	*10100 kg	8250 kg				
4.5 m	8.52 m	6250 kg	4500 kg			7700 kg	5550 kg	10950 kg	7800 kg	*14400 kg	12050 kg		
3.0 m	8.82 m	5800 kg	4100 kg			7450 kg	5300 kg	10400 kg	7300 kg	16300 kg	10850 kg		
1.5 m	8.86 m	5650 kg	4000 kg			7200 kg	5050 kg	9950 kg	6900 kg				
0 m	8.64 m	5800 kg	4100 kg			7050 kg	4950 kg	9700 kg	6650 kg	15350 kg	10050 kg		
−1.5 m	8.14 m	6300 kg	4450 kg			7000 kg	4900 kg	9650 kg	6600 kg	15400 kg	10100 kg	*12350 kg	*12350 kg
−3.0 m	7.29 m	7450 kg	5200 kg					9800 kg	6700 kg	*14150 kg	10250 kg	*16850 kg	*16850 kg
−4.5 m	5.95 m	*7500 kg	7150 kg							*10250 kg	*10250 kg		

PC300-8M2 Boom: 6470 mm Arm: 3185 mm Without bucket Shoe: 600 mm triple grouser

A / B	MAX	⛒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
7.5 m	7.61 m	*6800 kg	5600 kg			*7450 kg	5750 kg						
6.0 m	8.51 m	6300 kg	4550 kg			7900 kg	5700 kg						
4.5 m	9.07 m	5550 kg	3950 kg	5650 kg	4000 kg	7650 kg	5500 kg	*10300 kg	7850 kg				
3.0 m	9.36 m	5200 kg	3650 kg	5500 kg	3900 kg	7350 kg	5250 kg	10450 kg	7300 kg	*15850 kg	11150 kg		
1.5 m	9.40 m	5050 kg	3550 kg	5400 kg	3800 kg	7100 kg	4950 kg	9950 kg	6850 kg	15650 kg	10250 kg		
0 m	9.19 m	5150 kg	3600 kg	5300 kg	3700 kg	6900 kg	4800 kg	9600 kg	6550 kg	15200 kg	9900 kg		
−1.5 m	8.72 m	5550 kg	3850 kg			6800 kg	4700 kg	9500 kg	6450 kg	15150 kg	9850 kg	*12950 kg	*12950 kg
−3.0 m	7.93 m	6350 kg	4450 kg			6850 kg	4750 kg	9500 kg	6450 kg	15250 kg	9950 kg	*19900 kg	*19900 kg
−4.5 m	6.73 m	*7750 kg	5750 kg					*9250 kg	6700 kg	*12150 kg	10250 kg	*15150 kg	*15150 kg

* Load is limited by 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.

PC300/LC-8M2



PC300LC-8M2

A: Reach from swing center
B: Arm top pin height
C: Lifting capacity

Cf: Rating over front
Cs: Rating over side
☢: Rating at maximum reach

PC300LC-8M2 Boom: 6470 mm Arm: 2220 mm Without bucket Shoe: 600 mm triple grouser

A / B	MAX	☢ 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
7.5 m	6.37 m	*10000 kg	7600 kg					*10100 kg	8450 kg				
6.0 m	7.43 m	8950 kg	5800 kg					*10450 kg	8250 kg				
4.5 m	8.07 m	7650 kg	4950 kg			8650 kg	5550 kg	*11500 kg	7850 kg	*15050 kg	11950 kg		
3.0 m	8.39 m	7050 kg	4500 kg			8400 kg	5350 kg	11800 kg	7350 kg				
1.5 m	8.43 m	6900 kg	4350 kg			8150 kg	5150 kg	11350 kg	6950 kg				
0 m	8.20 m	7100 kg	4500 kg			8050 kg	5050 kg	11150 kg	6750 kg	*17200 kg	10250 kg		
–1.5 m	7.66 m	7800 kg	4900 kg			8050 kg	5050 kg	11150 kg	6750 kg	*15750 kg	10300 kg		
–3.0 m	6.76 m	*9000 kg	5950 kg					*10550 kg	6900 kg	*13250 kg	10550 kg	*14700 kg	*14700 kg
–4.5 m	5.28 m	*7500 kg	*7500 kg							*8800 kg	*8800 kg		

PC300LC-8M2 Boom: 6470 mm Arm: 2550 mm Without bucket Shoe: 600 mm triple grouser

A / B	MAX	☢ 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
7.5 m	6.94 m	*9400 kg	6700 kg										
6.0 m	7.91 m	8100 kg	5300 kg			8900 kg	5850 kg	*10100 kg	8400 kg				
4.5 m	8.52 m	7100 kg	4600 kg			8700 kg	5650 kg	*11150 kg	7950 kg	*14400 kg	12300 kg		
3.0 m	8.82 m	6600 kg	4250 kg			8450 kg	5400 kg	11950 kg	7450 kg	*17150 kg	11100 kg		
1.5 m	8.86 m	6450 kg	4100 kg			8200 kg	5200 kg	11450 kg	7050 kg				
0 m	8.64 m	6600 kg	4200 kg			8050 kg	5050 kg	11200 kg	6850 kg	*17800 kg	10300 kg		
–1.5 m	8.14 m	7200 kg	4550 kg			8050 kg	5050 kg	11150 kg	6800 kg	*16450 kg	10350 kg	*12350 kg	*12350 kg
–3.0 m	7.29 m	8500 kg	5350 kg					*11200 kg	6900 kg	*14150 kg	10550 kg	*16850 kg	*16850 kg
–4.5 m	5.95 m	*7500 kg	7350 kg							*10250 kg	*10250 kg		

PC300LC-8M2 Boom: 6470 mm Arm: 3185 mm Without bucket Shoe: 600 mm triple grouser

A / B	MAX	☢ 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
7.5 m	7.61 m	*6800 kg	5700 kg			*7450 kg	5900 kg						
6.0 m	8.51 m	*6600 kg	4650 kg			*8350 kg	5850 kg	*10300 kg	8000 kg				
4.5 m	9.07 m	6300 kg	4050 kg	6400 kg	4100 kg	8700 kg	5600 kg	*11650 kg	7500 kg				
3.0 m	9.36 m	5900 kg	3750 kg	6300 kg	4000 kg	8400 kg	5350 kg	11450 kg	7000 kg	*15850 kg	11400 kg		
1.5 m	9.40 m	5750 kg	3650 kg	6150 kg	3900 kg	8150 kg	5100 kg	11100 kg	6700 kg	*17750 kg	10550 kg		
0 m	9.19 m	5900 kg	3700 kg	6050 kg	3800 kg	7900 kg	4900 kg	10950 kg	6600 kg	17950 kg	10150 kg		
–1.5 m	8.72 m	6350 kg	3950 kg			7850 kg	4850 kg	11000 kg	6650 kg	*17150 kg	10100 kg	*12950 kg	*12950 kg
–3.0 m	7.93 m	7300 kg	4550 kg			7900 kg	4900 kg	*9250 kg	6850 kg	*15350 kg	10200 kg	*19900 kg	*19900 kg
–4.5 m	6.73 m	*7750 kg	5900 kg							*12150 kg	10550 kg	*15150 kg	*15150 kg

* Load is limited by 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.

MEMO

Standard and optional equipment

Engine	
Air pre-cleaner	●
Automatic engine warm-up system	●
Compliant Bio diesel fuel	●
Dry type air cleaner, double element	●
Engine, Komatsu SAA6D114E-3	●
Engine overheat prevention system	●
Radiator and oil cooler dust proof net	●
Suction fan	●
Additional filter system for poor-quality fuel (Water separator)	○
Large capacity fuel pre-filter	○

Electrical system	
Alternator, 24 V/60 A	●
Auto-decelerator	●
Batteries, 2 X 12 V/126 Ah	●
Batteries, large capacity, 2 X 12 V/140Ah	○
Maintenance free batteries, large capacity, 2 X 12 V/136 Ah	○
Battery disconect switch with system operating lamp	●
Starting motor, 24 V/7.5 kW	●
Starting motor, 24 V/11.0 kW	○
Working LED light, 2 (Boom and RH)	●
Front LED light, 2 (Cab)	●
Amber beacon lamp on cab roof	○

Hydraulic system	
Arm holding valve	●
Attachment piping & pilot filter	○
Inline filter	●
Boom holding valve	●
Clogging sensor for hydraulic oil return filter	●
Power maximizing system	●
Pressure Proportional Control (PPC) hydraulic control system	●
Two-mode settings for boom	●
Working mode selection system	●
Clogging sensor for breaker return filter	○
Service valve	●

Guards and covers	
Fan guard structure	●
Revolving frame deck guard	○

Further equipment on request

●:Standard equipment
○:Optional equipment

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require.
Materials and specifications are subject to change without notice.

Undercarriage	
Hydraulic track adjusters (each side)	●
Track roller, 7 each side (PC300-8M2)	●
Track roller, 8 each side (PC300LC-8M2)	●
Track guiding guard, center section	●
Track roller guards (full length)	○
Track frame undercover	○
600 mm triple grouser shoes (PC300-8M2)	●
600 mm triple grouser shoes (PC300LC-8M2)	●
700 mm triple grouser shoes (PC300-8M2)	○
700 mm triple grouser shoes (PC300LC-8M2)	○
800 mm triple grouser shoes (PC300-8M2)	○
800 mm triple grouser shoes (PC300LC-8M2)	○

Operator environment	
12V power supply	●
A/C with defroster	●
Equipment management monitoring system	●
Large multi-lingual high resolution LCD monitor	●
Rear view mirror, RH, LH, rear, sidewise	●
ROPS cab (ISO 12117-2)	●
Seat belt, retractable	●
Sun roller blind	●
Rain visor	○
Bolt-on top guard, OPG top guard level 2 (ISO 10262)	○
Cab front full height guard, OPG level 1 (ISO 10262)	○
Cab front full height guard, OPG level 2 (ISO 10262)	○
Cab front half height guard	○
Multifunction audio (coming soon)	○
Rear view monitor system	○
Suspension seat	●

Work equipment	
2220 mm arm assembly	○
2550 mm arm assembly	○
3185 mm arm assembly	●
6470 mm boom assembly	●

Other	
Blow-by sensor	●
Counterweight	●
Electric horn	●
Electric priming pump	●
KOMTRAX (Only for approved area)	●
Rear reflector	●
Slip-resistant plates	●
Travel alarm	●
Fuel refill pump	○

• Cab front full height guard level 1 (ISO 10262)

• Cab front full height guard level 2 (ISO 10262)

*LED is standard equipment for working lights.

• OPG top guard level 2 (ISO 10262)

• Strengthened track frame undercover

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- Up to 20% blended biodiesel fuel and paraffine fuel can be used. Please consult your Komatsu distributor for detail.
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