KOMATSU®

PC
600

PC600/600LC-8R1
BACKHOE

PC600/600LC-8R1
LOADING SHOVEL

HORSEPOWER
Gross: 323 kW 433 HP / 1800 min^{-1}
Net: 320 kW 429 HP / 1800 min^{-1}

OPERATING WEIGHT
Backhoe: 59200 – 61900 kg
Loading shovel: 63200 – 64200 kg

BUCKET CAPACITY
Backhoe: 2.00 – 3.50 m^3
Loading shovel: 4.00 m^3

Photos may include optional equipment.

WALK-AROUND

Photos may include optional equipment.

PRODUCTIVITY, ECOLOGY & ECONOMY

- High Power Komatsu SAA6D140E-5 Engine
- Economy Mode Four-level Setting
- Low Ambient Noise
- Working Mode Selection
- Lifting Mode
- Large Digging Force
- High Work Equipment Speed
- Large Drawbar Pull and Steering Force
- Two-mode Setting for Boom

RELIABILITY & DURABILITY

- Boom Foot Hoses
- O-ring Face Seals
- Removed Water and Contamination in Fuel
- High-pressure In-line Filtration
- Highly Reliable Electronic Devices
- KMAX Bucket Teeth

COMFORT & SAFETY

- Large Comfortable Cab
- OPG Top Guard Level 2 (ISO 10262)
- Rear View Monitor System (Optional)

* Information and Communication Technology

ICT* & KOMTRAX

- Large Liquid Crystal Display (LCD) Monitor
- Equipment Management Monitoring System
- KOMTRAX

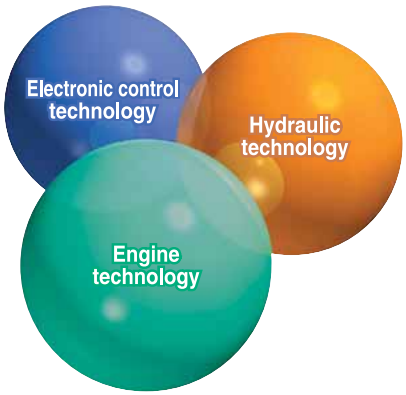
MAINTENANCE

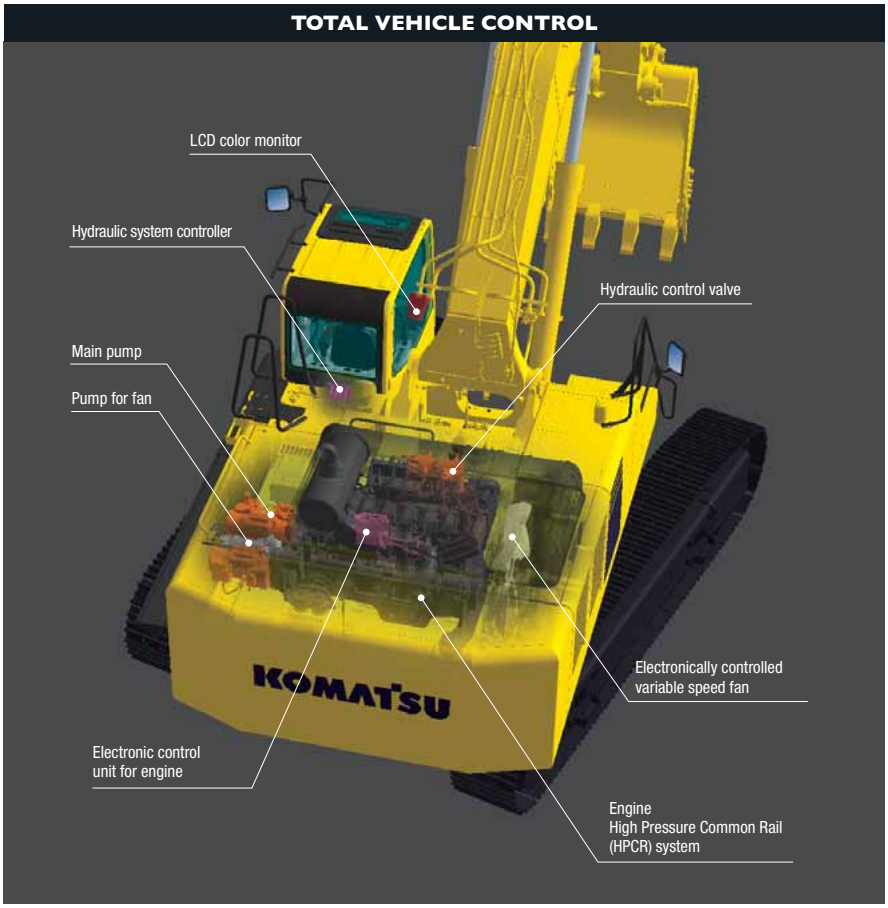
- Easy Checking and Maintenance of Engine
- Easy Cleaning of Cooling Unit
- Large Handrail, Step and Catwalk

		PC600/600LC-8R1 BACKHOE	PC600/600LC-8R1 LOADING SHOVEL
HORSEPOWER	Gross:	323 kW 433 HP / 1800 min^{-1}	323 kW 433 HP / 1800 min^{-1}
	Net:	320 kW 429 HP / 1800 min^{-1}	320 kW 429 HP / 1800 min^{-1}
OPERATING WEIGHT		59200 – 61900 kg	63200 – 64200 kg
BUCKET CAPACITY		2.00 – 3.50 m^3	4.00 m^3

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.





High Power Komatsu SAA6D140E-5 Engine

Powerful turbocharged and air-to-air aftercooled Komatsu SAA6D140E-5 engine provides 320 kW 429 HP. This Komatsu SAA6D140E-5 engine actualizes high-power to low fuel consumption with the optimum fuel injection by electronic HPCR fuel injection system.

Electronically Controlled Variable Speed Fan Contributes to Low Fuel Consumption and Low Noise

The electronic control system sets the revolution speed of the cooling fan according to the coolant, hydraulic oil, and ambient temperature; effectively uses the engine output to prevent wasteful fuel consumption; and reduces noise during low-speed fan revolution.

Lower and Economical Fuel Consumption Using Economy Mode

Enables operator to set the Economy mode to four levels according to working conditions so that production requirement is achieved at lowest fuel consumption.

Low Ambient Noise

Reduced noise by adoption of an electronically controlled variable speed fan drive, large hybrid fan and low-noise muffler.

ECO Gauge that Assists Energy-saving Operations

ECO gauge is equipped for environment friendly energy-saving operations. Focus on operation in the green range allows reduction of CO_2 emission and fuel consumption.

Idling Caution

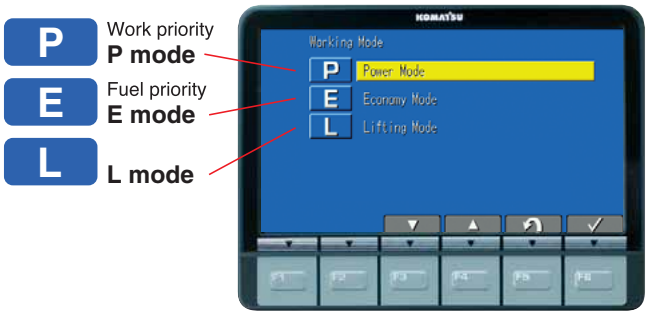
To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor if the engine idles for 5 minutes or more.

Auto Deceleration and Auto Idling System

Auto deceleration system is equipped to reduce fuel consumption and operating noise. Also, engine idling speed can be reduced on the monitor with the auto idling system.

Working Modes Selectable

P and E modes established work modes are further improved.
P mode – Power or work priority mode has low fuel consumption, but fast equipment speed and maximum production and power are maintained.
E mode – Economy or fuel saving mode further reduces fuel consumption, but maintains the P-mode-like working equipment speed for light duty work.



You can select Power or Economy modes using a one-touch button on the monitor panel depending on the workload.

Lifting Mode

Gives 17% more lifting force when needed for handling rock or heavy lifting applications.

Large Digging Force

With the one-touch Power Max. function digging force is further increased. (Approx. 8.5 seconds of operation)

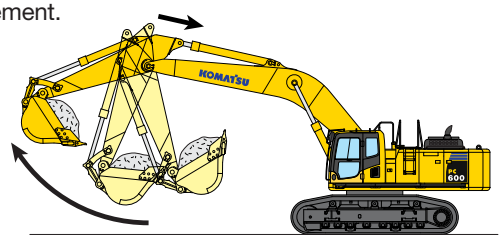
Maximum arm crowd force (ISO 6015)**:**
228 kN (23.3 t) ➡ **246 kN** (25.1 t) **8.0 % UP**
(With Power Max.)

Maximum bucket digging force (ISO 6015)**:**
294 kN (30.0 t) ➡ **317 kN** (32.3 t) **8.0 % UP**
(With Power Max.)

Measured with Power Max. function, 3500 mm arm and ISO 6015 rating.

Work Equipment Speed

An arm quick return circuit is provided for arm dumping. This returns a portion of oil flow directly to the hydraulic tank at arm dumping to reduce the hydraulic pressure loss. Speedier loading work can be accomplished by work equipment with quicker movement.

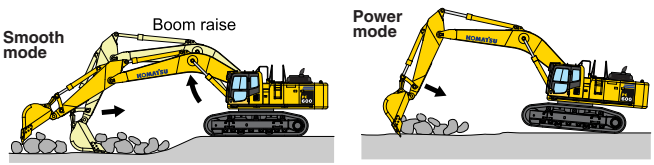


Large Drawbar Pull and Steering Force

Since the machine has a large drawbar pull and a high steering force, it demonstrates excellent mobility even when it is on inclined sites.

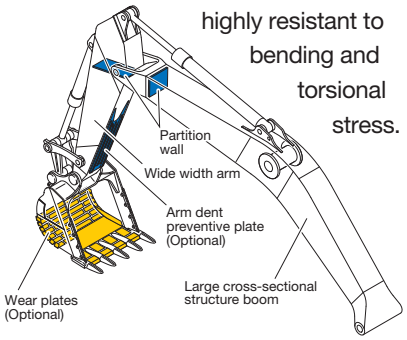
Two-mode Setting for Boom

Smooth mode provides easy operation for gathering blasted rock and scraping operations. When maximum digging force is needed, switch to power mode for more effective excavating.



Strengthened Boom and Arm (Optional)

Thanks to the large cross-sectional structure employing a high tensile strength steel with a thick plate, partition wall, etc., the boom and arm exhibit excellent durability and are highly resistant to bending and torsional stress.



O-ring Face Seal

The hydraulic hose seal method has been changed from a conventional taper seal to an O-ring seal. This provides improved sealing performance during operation.

Frame Structure

The revolving frame mount and center frame mount on the swing circle are no welding structure so that force is transmitted directly to the thick plate of the frame without passing through any welding.

Fuel Pre-filter (With Water Separator)

Removes water and contaminants from fuel to enhance the fuel system reliability.

High Efficiency Fuel Filter

Fuel system reliability is even better with high efficiency fuel filter.

Fuel pre-filter Fuel filter

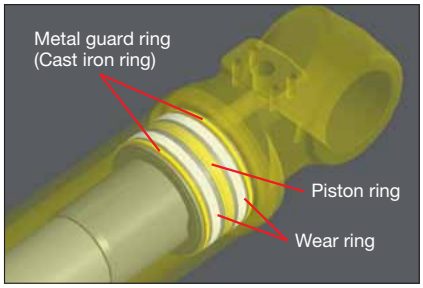
High-pressure In-line Filtration

The PC600-8R1 has the most extensive filtration system available, providing in-line filters as standard equipment. An in-line filter in the outlet port of each main hydraulic pump reduces failures caused by contamination.

In-line filter

Metal Guard Rings

Metal guard rings protect all the hydraulic cylinders and improve reliability.



Heat-resistant Wiring

Heat-resistant wiring is used for the engine electric circuit and other major component circuit.

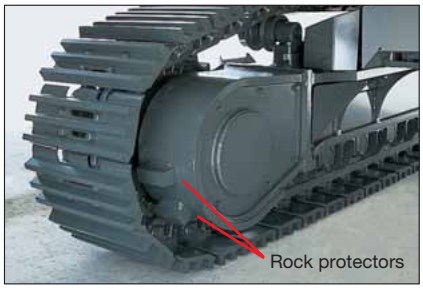
Water Separator

Removes water from the fuel and improves the reliability of fuel systems.

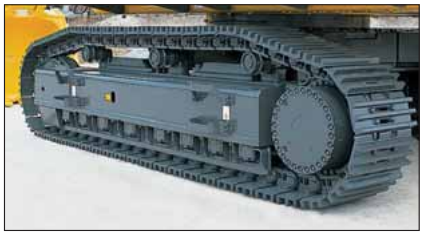
Sturdy Undercarriage

The undercarriage is strengthened to provide excellent reliability and durability when working on rocky ground or blasted rock.

Sturdy guards shield the travel motors and pipings against damage from rocks. (Rock protectors are optional.)



Full length track roller guard (Optional)



Strengthened Revolving Frame Underguard

Guards the machine pipings against being hit by rocks from below and prevents hydraulic components and the engine from being damaged.

Sealed Connectors

Sealed connectors seal tight and have higher reliability.

Circuit Breaker

With circuit breaker, the machine can be easily restarted after repair.

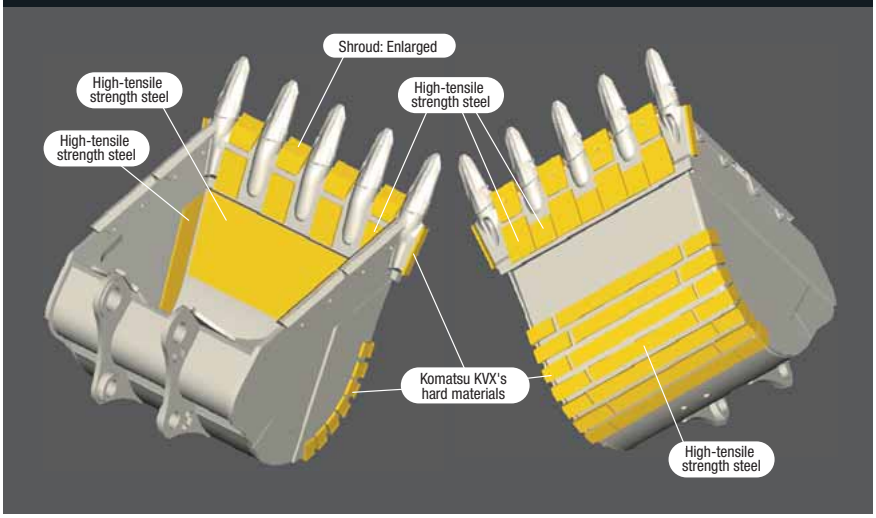
Strengthened Quarry Bucket Provides Outstanding Wear-resistance (Optional)

The PC600-8R1 has the bucket for specific use in quarry, this is strong in impact and wear, and providing high performance and long life.

Komatsu KVX's hard materials* provide excellent wear resistance. Combined with adoption of long-life KMAX tooth, durability of bucket is drastically enhanced.

* Komatsu KVX's hard materials:
Komatsu developed, wear-resistant, reinforced materials. Brinell hardness: 500 or more (180 kg/mm^2 class). Features high wear-resistance and little quality change by the heat generated during rock loading, maintaining the hardness for a long term.

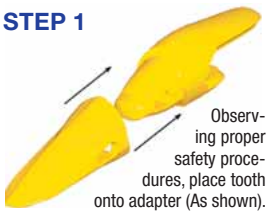
QUARRY BUCKET WITH KMAX TOOTH



KMAX Tooth for Quarry Bucket

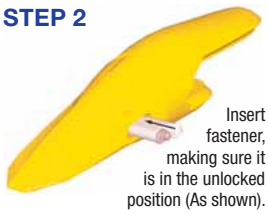
- Unique bucket tooth shape superior digging performance
- Long-term high sharpness
- Great penetration performance
- Hammerless, safe, and easy tooth replacement (Tooth replacement time: Halves the conventional machine)

STEP 1



Observing proper safety procedures, place tooth onto adapter (As shown).

STEP 2



Insert fastener, making sure it is in the unlocked position (As shown).

STEP 3

Using the correct size socket, rotate the pin locking shaft 90° clockwise (As shown) to finish the installation.

STEP 4

To remove fastener, use the correct size socket to rotate the pin locking shaft 90° counter-clockwise (As shown). Remove fastener and tooth. Repeat steps 1-3 for a new installation.

Low Noise Design Cab

The newly-designed cab is highly rigid and has excellent sound absorption ability. Thorough improvement of noise source reduction and use of low noise engine, hydraulic equipment, and optional air conditioner (A/C) allows the operator to work in quiet condition.

Wide Newly-designed Cab

Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

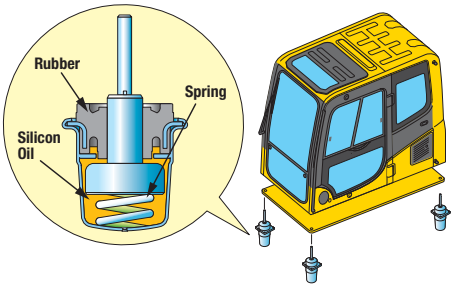
Seat with headrest reclined full flat

Pressurized Cab

Optional A/C, air filter and a higher internal air pressure minimize external dust from entering the cab.

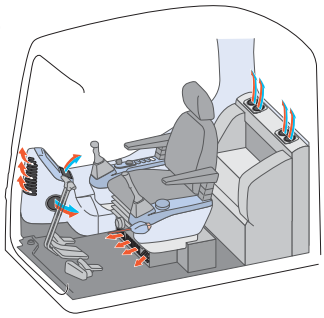
Low Vibration with Cab Damper Mounting

PC600-8R1 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.



Automatic A/C (Optional)

Enables you to easily and precisely set cab atmos-phere with the instru-ments on the LCD. The automatic A/C uses a bi-level control function that keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps the front glass clear.



Multi-position Controls

The multi-position, Pressure Proportional Control (PPC) levers allow the operator to work in comfort while maintaining precise control. A double-slide mechanism allows the seat and control levers to move together or independently, allowing the operator to position the controls for maximum productivity and comfort.

Seat sliding amount: 340 mm

Cab Equipments

Skylight

Sliding window and large side mirror

Defroster (Optional)

Cab frame mounted wiper

Bottle holder and magazine rack

SAFETY

Step Light with Timer (Optional)

provides light for about one minute to allow the operator to get off the machine safely.

Pump/Engine Room Partition

prevents oil from spraying on the engine if a hydraulic hose should burst.

Horn Interconnected with Flashing Light (Optional)

gives visual and audible notice of the excavator's operation when activated.

Thermal and Fan Guards

are placed around high-temperature parts of the engine and fan drive.

Slip-resistant Plates

Spiked plates on working areas provide slip-resistant performance.

Rear View Monitor System (Optional)

The operator can view the rear of the machine with a color monitor screen.

OPG Top Guard (Optional)

OPG top guard Level 2 (ISO 10262) capable with optional bolt-on top guard.

Large Multi-lingual LCD Monitor

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the use of LCD that can easily be read at various angles and lighting conditions. The switches are simple and easy to operate. Function keys facilitate multi-function operations. Displays data in 12 languages to 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. Function switches menu

Basic operation switches

1. Auto-decelerator (& auto idling)
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer

Mode Selection

The multi-function color monitor has Power mode (Two levels), Economy mode (Four levels), and Lifting mode.

Working Mode	Application	Advantage
P (P0,P1)	Power mode	• Maximum production/power • Fast cycle time
E (E0,E1,E2,E3)	Economy mode	• Good cycle time • Good fuel economy
L	Lifting mode	• Hydraulic pressure is increased 17%.

Equipment Management Monitoring System

Monitor function

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

Maintenance function

Monitor informs replacement time for oil and filters when the replacement interval is reached.

Trouble data memory function

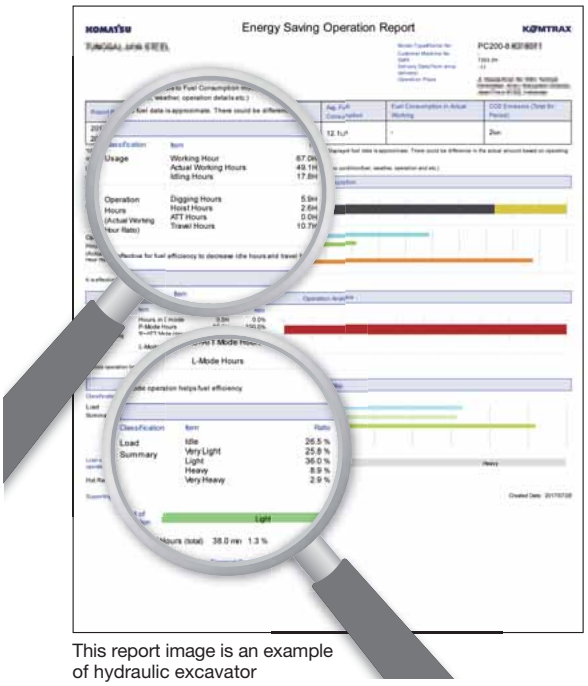
Monitor stores abnormalities for effective troubleshooting.

KOMTRAX

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

Energy Saving Operation Report

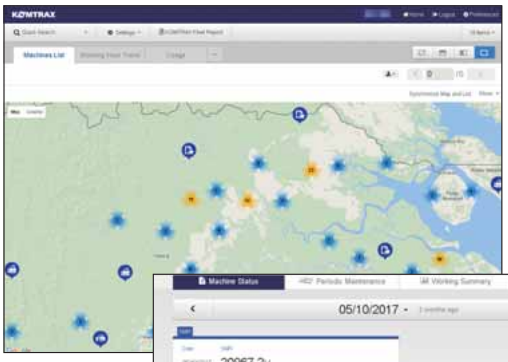
KOMTRAX delivers the energy-saving operation report based on the operating information such as fuel consumption, load summary and idling time, which helps you efficiently run a business.



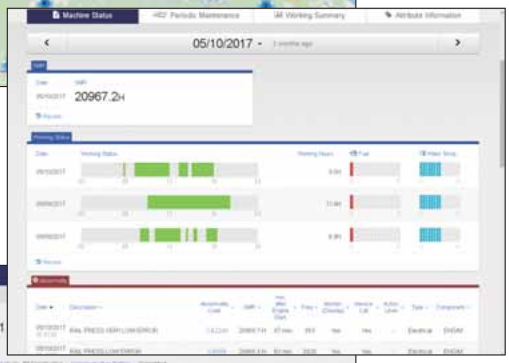
This report image is an example of hydraulic excavator

Equipment Management Support

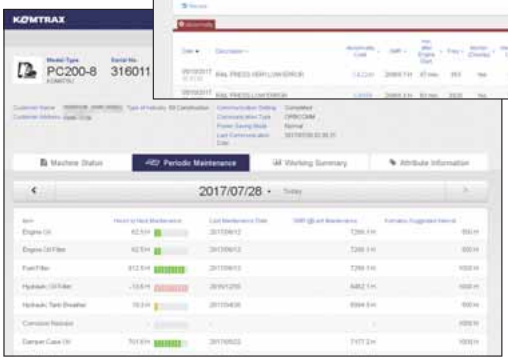
Through the web application, a variety of search parameters are available to quickly find information about specific machines based on key factors. Moreover, KOMTRAX finds out machines with problems from your fleet and shows you through an optimal interface.



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 Checking and Maintenance of Engine

Engine check points are concentrated on one side of the machine to facilitate daily checks. Thermal guards are placed around high-temperature parts such as turbocharger.

Long-life Oil, Filter

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

Hydraulic oil filter

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

Electric Pump, Grease Gun with Indicator (Optional)

Greasing is made easy with the electric pump, grease gun with indicator.

Indicator Grease gun

Wide Catwalk

Easier, safer operator cab access and maintenance checks.

Slip-resistant Plates

Spiked plates provided on top of the machine cab maintains slip-resistant performance for a prolonged period.

Easy Cleaning of Cooling Unit

Reverse-rotation function of the hydraulic driven fan facilitates cleaning of the cooling unit.

Steps Connected to the Machine Cab

Steps allows access from left hand catwalk to top of machine for engine check and maintenance.

Easy Detachable Radiator and Oil Cooler

Engine hood opens fully to facilitate removal and installation of the radiator and oil cooler. The hood can be opened vertically by changing the position of the torsion bar.

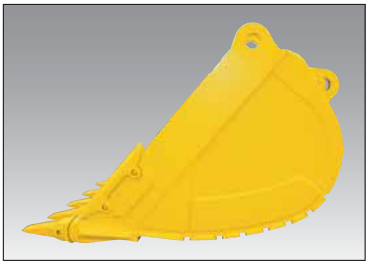
KOMATSU BRAND BUCKET

KOMATSU Brand Bucket

Me Bucket Feature

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

Conventional



Me bucket

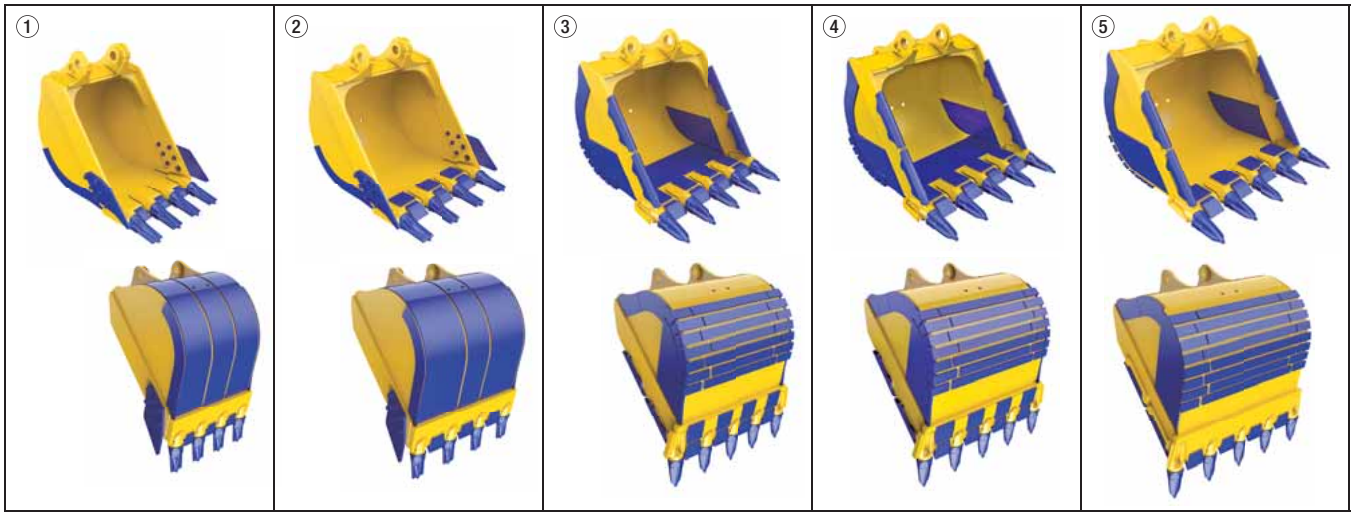
Category and Feature

Category	Load / Wear / Soil (Application)	Image
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	
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	

Bucket Line-up

Bucket Type	Capacity (m^3) (ISO 7451)	Width*1 (mm)	Weight*2 (kg)	Tooth Quantity	Boom + Arm (m)					Tooth Type	Photo No.
					STD				SE		
					7.66+3.5	7.66+4.3	7.66+5.2	7.3+3.5HD	6.6+2.9	KMAX	
Conventional	2.00	1430<1250>[—]	2130	4	○	○	○	—	—	✓	①
	2.70	1780<1600>[—]	2470	4	○	—	—	—	—	✓	②
	2.80	1725<1655>[1920]	3100	5	—	—	—	○	—	✓	③
	3.10	1850<1780>[2040]	3230	5	—	—	—	○*3	—	✓	④
	3.50	1950<1900>[2110]	3330	5	—	—	—	—	○	✓	⑤

*1 With side cutters or side shrouds, < >without side cutters or side shrouds, [ ] bucket lip width *2 With side cutters *3 Available only to LC crawler
○: General purpose use, density up to 1.8 t/m^3 ✓: Selectable



SE SPEC.

PC600/600LC-8R1 SE spec. is equipped with a large bucket. It increases the efficiency of loading a dump truck with large amounts of loose materials.

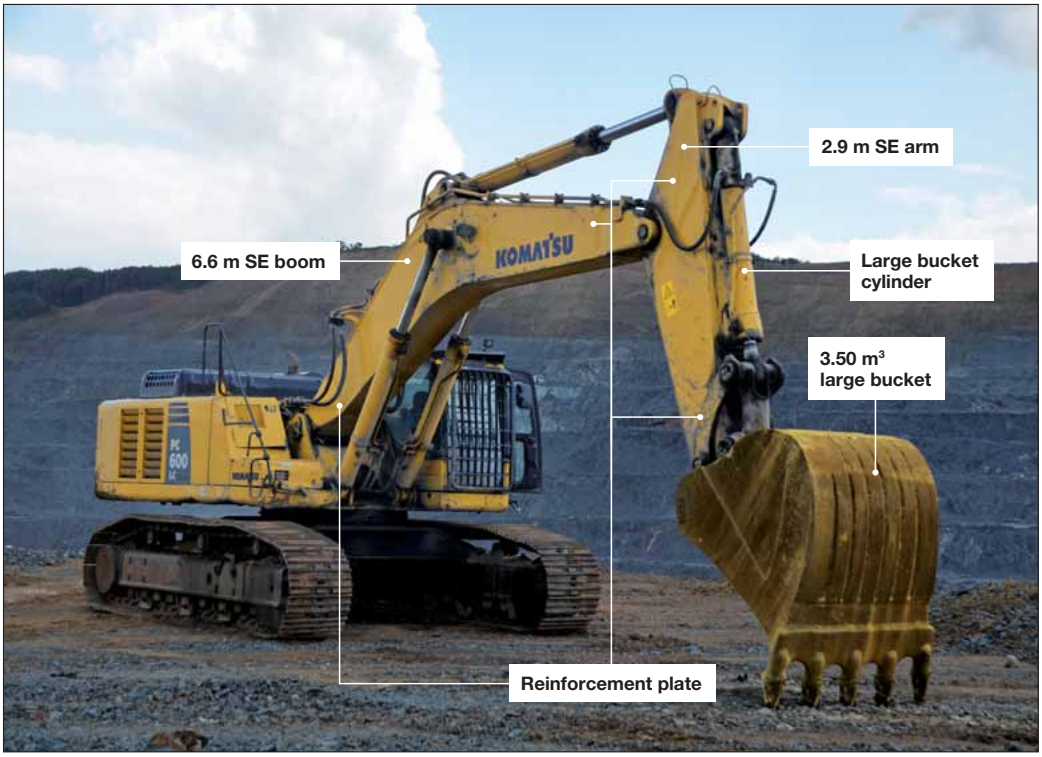


Photo may include optional equipment.

OPTIONS

• **OPG top guard level 2** (ISO 10262)

• **Interconnected horn with flashing light**

• **Strengthened track frame undercover**

KOMATSU TOTAL SUPPORT

Komatsu Total Support

To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide a variety of supports before and after procuring the machine.

Fleet recommendation

Komatsu Distributor can study the customer's 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 replace the existing ones from Komatsu.

Product support

Komatsu Distributor gives the proactive support and secures the quality of the machinery that will be delivered.

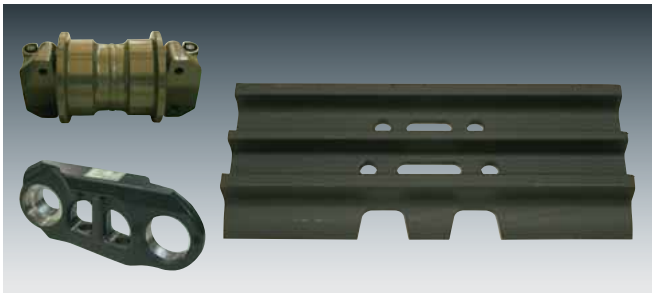
Parts availability

Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

Technical support

Komatsu product support service (Technical support) is designed to help customer. Komatsu Distributor offers a variety of effective services to show how much Komatsu is dedicated to the maintenance and support of Komatsu machine.

- Preventive Maintenance (PM) clinic
- Oil & Wear analysis program
- Undercarriage inspection service, etc.



Repair & maintenance service

Komatsu Distributor offers quality repair and maintenance service to the customer, utilizing and promoting Komatsu developed programs.

Komatsu Reman (Remanufactured) components

Komatsu Reman products are the result of the implementation of the Komatsu global policy which establishes and agrees to reduce the owning, operating and total Life Cycle Costs (LCC) to Komatsu's customer through high quality, prompt delivery and competitively priced in own remanufactured products (QDC).

SPECIFICATIONS

ENGINE

Model . . . . . Komatsu SAA6D140E-5
Type. . . . . Water-cooled, 4-cycle, direct injection
Aspiration . . . . . Turbocharged, aftercooled
Number of cylinders 6
Bore. . . . . 140 mm
Stroke . . . . . 165 mm
Piston displacement . . . . . 15.24 L
Governor . . . . . All-speed, electronic
Horsepower:
SAE J1995 . . . . . Gross 323 kW 433 HP
ISO 9249 / SAE J1349* . . . . . Net 320 kW 429 HP
Rated rpm . . . . . 1800 min^{-1}
Fan drive type . . . . . Hydraulic

* Net horsepower at the maximum speed of radiator cooling fan is 288 kW 386HP
U.S. EPA Tier 2 and EU Stage 2 emissions equivalent.

HYDRAULIC SYSTEM

Type. . . . . Open-center load-sensing system
Number of selectable working modes 3
Main pump:
Type . . . . . Variable-capacity piston pumps
Pumps for. . . . . Boom, arm, bucket, swing, and travel circuits
Maximum flow:
Main . . . . . 2 x 410 L/min
Fan drive pump. . . . . Variable-capacity piston pump
Hydraulic motors:
Travel . . . . . 2 x axial piston motor with parking brake
Swing . . . . . 2 x axial piston motor with swing holding brake
Relief valve setting:
Implement circuits
Backhoe. . . . . 31.9 MPa 325 kgf/cm^2
Loading shovel. . . . . 29.4 MPa 300 kgf/cm^2
Travel circuit . . . . . 34.3 MPa 350 kgf/cm^2
Swing circuit. . . . . 25.5 MPa 260 kgf/cm^2
Pilot circuit . . . . . 2.9 MPa 30 kgf/cm^2
Hydraulic cylinders:
(Number of cylinders—bore x stroke x rod diameter)
Boom . . . . . 2 – 185 mm x 1725 mm x 120 mm
Arm
Std . . . . . 1 – 200 mm x 2045 mm x 140 mm
SE. . . . . 1 – 200 mm x 2045 mm x 140 mm
Bucket
Std . . . . . 1 – 185 mm x 1425 mm x 130 mm
SE. . . . . 1 – 185 mm x 1610 mm x 130 mm

DRIVES AND BRAKES

Steering control. . . . . Two levers with pedals
Drive method. . . . . Hydrostatic
Travel motor . . . . . Axial piston motor, in-shoe design
Reduction system . . . . . Planetary triple reduction
Maximum drawbar pull . . . . . 415kN 42300 kgf
Gradeability 70%
Maximum travel speed
Low. . . . . 3.0 km/h
High . . . . . 4.9 km/h
Service brake . . . . . Hydraulic lock
Parking brake . . . . . Oil disc brake

SWING SYSTEM

Driven method. . . . . Hydrostatic
Swing reduction . . . . . Planetary gear
Swing circle lubrication. . . . . Grease-bathed
Swing lock. . . . . Oil disc brake
Swing speed . . . . . 8.3 min^{-1}

UNDERCARRIAGE

Center frame . . . . . H-leg frame
Track frame . . . . . Box-section
Seal of track . . . . . Sealed
Track adjuster . . . . . Hydraulic
No. of shoes . . . . . 49 each side (PC600-8R1)
52 each side (PC600LC-8R1)
No. of carrier rollers . . . . . 3 each side
No. of track rollers. . . . . 8 each side (PC600-8R1)
9 each side (PC600LC-8R1)

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . 880 L
Radiator. . . . . 58 L
Engine . . . . . 40 L
Final drive, each side . . . . . 10 L
Swing drive . . . . . 2 x 13 L
Hydraulic tank . . . . . 360 L

OPERATING WEIGHT (APPROXIMATE)

BACKHOE
Operating weight, including 7660 mm boom, 3500 mm arm, ISO 7451 heaped 2.70 m^3 backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Shoes	PC600-8R1		PC600LC-8R1	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
Triple Grouser 600 mm	59200 kg	104.9kPa 1.07 kgf/cm^2	60200 kg	99.0 kPa 1.01 kgf/cm^2
750 mm	60000 kg	85.3 kPa 0.87 kgf/cm^2	61000 kg	80.4 kPa 0.82 kgf/cm^2
900 mm	—	—	61900 kg	67.7 kPa 0.69 kgf/cm^2

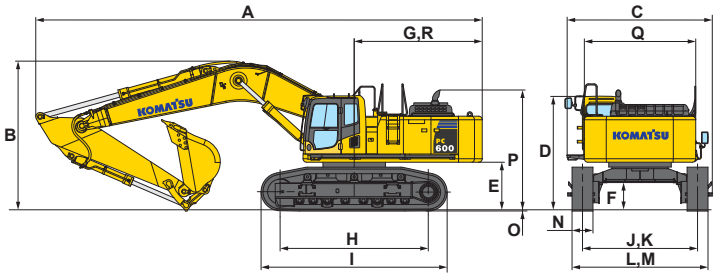
LOADING SHOVEL
Operating weight, including 4000 mm boom, 3000 mm arm, 4.00 m^3 heaped bucket, operator, lubricants, coolant, full fuel tank and standard equipment.

Shoes	PC600-8R1		PC600LC-8R1	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
Double Grouser 600 mm	63200 kg	111.8 kPa 1.14 kgf/cm^2	64200 kg	105.9 kPa 1.08 kgf/cm^2

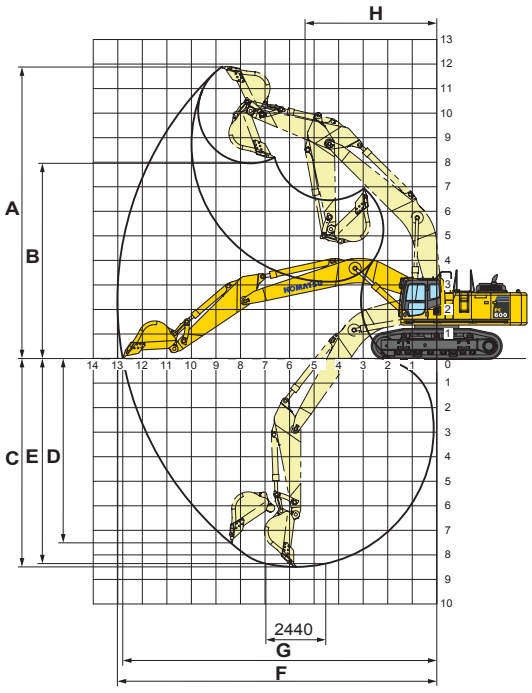
BACKHOE DIMENSIONS

Model		PC600/PC600LC-8R1				
Boom Length		**7660 mm**	**7660 mm**	**7660 mm**	**7300 mm**	**6600 mm**
Arm Length		**3500 mm**	**4300 mm**	**5200 mm**	**3500 mm**	**2900 mm**
A	Overall length	12960 mm	12880 mm	12585 mm	12590 mm	11980 mm
B	Overall height (To top of boom)	4300 mm	4655 mm	5235 mm	4280 mm	4600 mm

Model		PC600-8R1	PC600LC-8R1
C	Overall width	4210 mm	4210 mm
D	Overall height (To top of cab)	3290 mm	3290 mm
E	Ground clearance, counterweight	1365 mm	1365 mm
F	Ground clearance (Minimum)	780 mm	780 mm
G	Tail swing radius	3950 mm	3950 mm
H	Track length on ground	4250 mm	4600 mm
I	Track length	5340 mm	5690 mm
J	Track gauge	2590 mm	2590 mm
K	Track gauge when expanded	3300 mm	3300 mm
L	Width of crawler	3190 mm	3190 mm
M	Width of crawler when expanded	3900 mm	3900 mm
N	Shoe width	600 mm	600 mm
O	Grouser height	37 mm	37 mm
P	Machine cab height	3435 mm	3435 mm
Q	Machine cab width	3170 mm	3170 mm
R	Distance, swing center to rear end	3825 mm	3825 mm



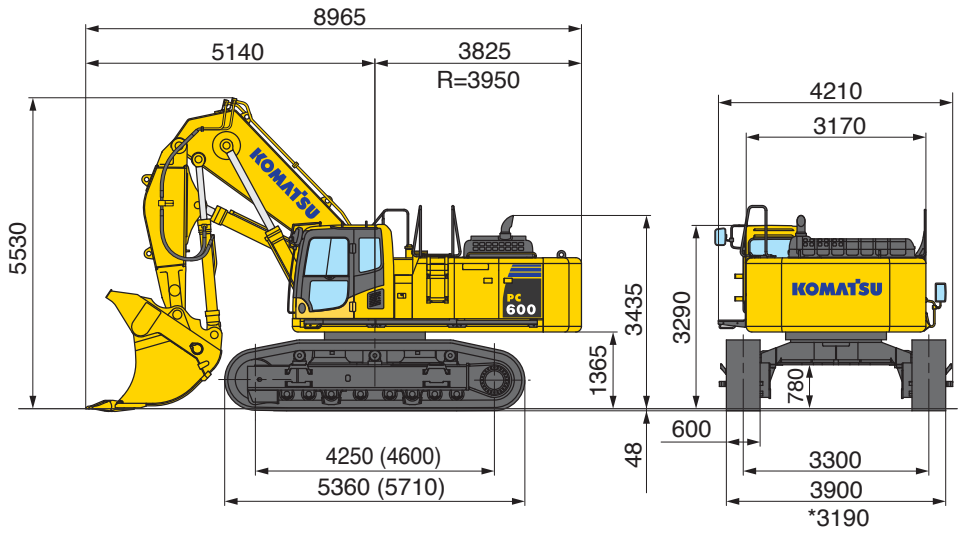
BACKHOE WORKING RANGE



Model		PC600/600LC-8R1				
		STD			HD	SE
Boom Length		**7660 mm**	**7660 mm**	**7660 mm**	**7300 mm**	**6600 mm**
Arm Length		**3500 mm**	**4300 mm**	**5200 mm**	**3500 mm**	**2900 mm**
A	Max. digging height	11880 mm	12180 mm	12560 mm	11475 mm	11140 mm
B	Max. dumping height	7960 mm	8245 mm	8600 mm	7650 mm	7210 mm
C	Max. digging depth	8490 mm	9275 mm	10225 mm	8165 mm	7060 mm
D	Max. vertical wall digging depth	7510 mm	8375 mm	9275 mm	6660 mm	5630 mm
E	Max. digging depth of cut for 2440 mm level	8360 mm	9175 mm	10125 mm	8030 mm	6910 mm
F	Max. digging reach	13020 mm	13740 mm	14630 mm	12615 mm	11550 mm
G	Max. digging reach at ground level	12800 mm	13555 mm	14435 mm	12385 mm	11300 mm
H	Min. swing radius	5370 mm	5385 mm	5510 mm	5090 mm	4670 mm
SAE J 1179 Rating	Bucket digging force	264 kN 26900 kgf				289 kN 29500 kgf
	Bucket digging force at power max	285 kN 29100 kgf				312 kN 31770 kgf
	Arm crowd force	222 kN 22600 kgf	194 kN 19800 kgf	170 kN 17300 kgf	222 kN 22600 kgf	260 kN 26500 kgf
	Arm crowd force at power max	238 kN 24300 kgf	209 kN 21300 kgf	182 kN 18600 kgf	238 kN 24300 kgf	280 kN 28500 kgf
ISO 6015 Rating	Bucket digging force	294 kN 30000 kgf				336 kN 34300 kgf
	Bucket digging force at power max	317 kN 32300 kgf				362 kN 36900 kgf
	Arm crowd force	228 kN 23300 kgf	202 kN 20600 kgf	176 kN 17900 kgf	228 kN 23300 kgf	272 kN 27700 kgf
	Arm crowd force at power max	246 kN 25100 kgf	218 kN 22200 kgf	189 kN 19300 kgf	246 kN 25100 kgf	293 kN 29900 kgf

LOADING SHOVEL DIMENSIONS

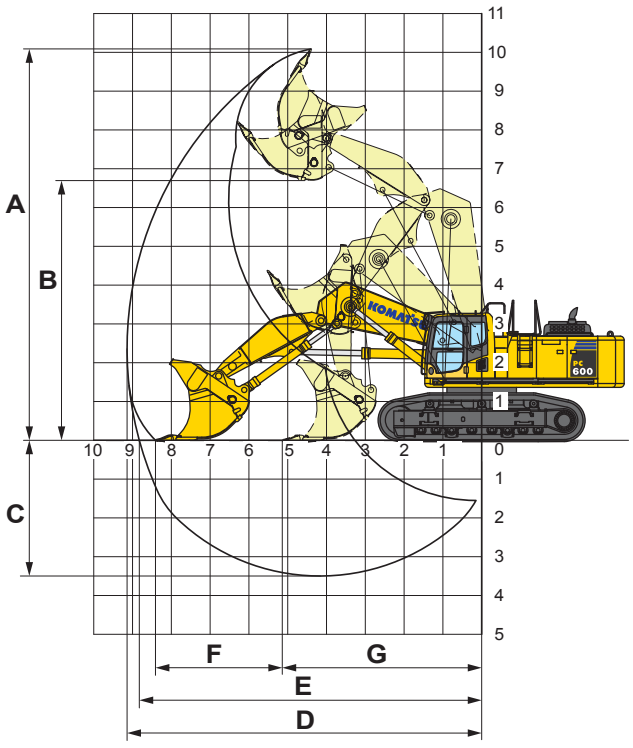
Unit: mm



( ): for PC600LC-8R1

*When retracted

LOADING SHOVEL WORKING RANGE AND BUCKET SELECTION



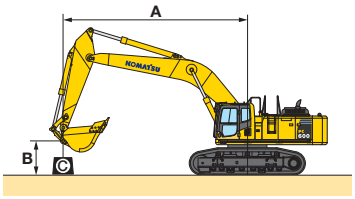
Working range

Type of Bucket		Bottom Dump
Capacity-heaped		4.00 m³
A	Max. cutting height	10090 mm
B	Max. dumping height	6705 mm
C	Max. digging depth	3495 mm
D	Max. digging reach	9190 mm
E	Max. digging reach at ground level	8850 mm
F	Level crowding distance	3275 mm
G	Min. crowd distance	5135 mm
	Bucket digging force	386 kN 39400 kgf
	Arm crowd force	338 kN 34500 kgf

Bucket selection

Type of Bucket	Bottom Dump
Capacity-heaped	4.00 m³
Width	2090 mm
Weight	5700 kg
No. of Bucket Teeth	6
Recommended Uses	General-purpose digging and loading

LIFTING CAPACITY



PC600-8R1

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊛: Rating at maximum reach

L mode "OFF"

PC600-8R1	Boom: 7660 mm	Arm: 3500 mm	Bucket: 2.70 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⊛ 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
9.1 m	*6950 kg	*6950 kg										
7.6 m	*6750 kg	*6750 kg	*9400 kg	*9400 kg								
6.1 m	*6850 kg	*6850 kg	*9700 kg	*9700 kg	*10800 kg	*10800 kg						
4.6 m	*7100 kg	6500 kg	*10400 kg	9450 kg	*12100 kg	*12100 kg	*15000 kg	*15000 kg	*20100 kg	*20100 kg		
3.0 m	*7600 kg	6050 kg	*11250 kg	8950 kg	*13600 kg	12250 kg	*17850 kg	17400 kg				
1.5 m	7950 kg	5900 kg	11350 kg	8550 kg	*14800 kg	11600 kg	*19650 kg	16450 kg	*14500 kg	*14500 kg		
0 m	8100 kg	6000 kg	11050 kg	8300 kg	14850 kg	11150 kg	*20200 kg	15850 kg	*16850 kg	*16850 kg		
-1.5 m	8650 kg	6400 kg	10850 kg	8100 kg	14600 kg	10900 kg	*20000 kg	15550 kg	*16550 kg	*16550 kg	*11950 kg	*11950 kg
-3.0 m	9700 kg	7200 kg	10850 kg	8100 kg	14550 kg	10850 kg	*18950 kg	15600 kg	*24500 kg	*24500 kg	*14350 kg	*14350 kg
-4.6 m	*10150 kg	8900 kg			*12950 kg	11050 kg	*16650 kg	*15900 kg	*21150 kg	*21150 kg	*24800 kg	*24800 kg
-6.1 m	*9500 kg	*9500 kg			*8550 kg	*8550 kg	*12800 kg	*12800 kg	*16300 kg	*16300 kg		

L mode "ON"

PC600-8R1	Boom: 7660 mm	Arm: 3500 mm	Bucket: 2.70 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⊛ 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
9.1 m	*8550 kg	*8550 kg										
7.6 m	*8350 kg	*8350 kg	*11850 kg	10000 kg								
6.1 m	*8450 kg	7200 kg	*12250 kg	9800 kg	*13500 kg	*13500 kg						
4.6 m	8600 kg	6500 kg	12250 kg	9450 kg	*15100 kg	13000 kg	*18600 kg	*18600 kg	*24650 kg	*24650 kg		
3.0 m	8100 kg	6050 kg	11750 kg	8950 kg	*16000 kg	12250 kg	*22100 kg	17550 kg				
1.5 m	7950 kg	5900 kg	11350 kg	8550 kg	*15350 kg	11600 kg	22050 kg	16450 kg	*17400 kg	*17400 kg		
0 m	8100 kg	6000 kg	11050 kg	8300 kg	14850 kg	11150 kg	21350 kg	15850 kg	*20150 kg	*20150 kg		
-1.5 m	8650 kg	6400 kg	10850 kg	8100 kg	14600 kg	10900 kg	21050 kg	15550 kg	*19950 kg	*19950 kg	*14450 kg	*14450 kg
-3.0 m	9700 kg	7200 kg	10850 kg	8100 kg	14550 kg	10850 kg	21150 kg	15600 kg	*30400 kg	25750 kg	*17400 kg	*17400 kg
-4.6 m	11900 kg	8900 kg			14800 kg	11050 kg	*20900 kg	15900 kg	*26450 kg	*26000 kg	*29600 kg	*29600 kg
-6.1 m	*12350 kg	*12350 kg			*11150 kg	*11150 kg	*16350 kg	*16350 kg	*20650 kg	*20650 kg		

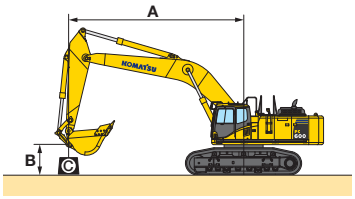
L mode "OFF"

PC600-8R1	Boom: 7300 mm	Arm: 3500 mm	Bucket: 2.80 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⊛ 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
9.1 m	*6500 kg	*6500 kg										
7.6 m	*6300 kg	*6300 kg	*8000 kg	*8000 kg								
6.1 m	*6350 kg	*6350 kg	*9550 kg	9400 kg	*10500 kg	*10500 kg						
4.6 m	*6650 kg	*6650 kg	*10150 kg	9100 kg	*11750 kg	*11750 kg	*14500 kg	*14500 kg	*19900 kg	*19900 kg		
3.0 m	*7200 kg	6150 kg	*11000 kg	8650 kg	*13300 kg	12050 kg	*17350 kg	*17350 kg	*24100 kg	*24100 kg		
1.5 m	*8000 kg	6050 kg	11050 kg	8300 kg	*14500 kg	11450 kg	*19250 kg	16500 kg	*21300 kg	*21300 kg		
0 m	8400 kg	6150 kg	10800 kg	8000 kg	14700 kg	11000 kg	*20000 kg	15850 kg	*14600 kg	*14600 kg		
-1.5 m	9000 kg	6600 kg	10650 kg	7850 kg	14450 kg	10750 kg	*19850 kg	15500 kg	*21100 kg	*21100 kg	*14000 kg	*14000 kg
-3.0 m	10250 kg	7600 kg	10650 kg	7900 kg	*14400 kg	10700 kg	*18750 kg	15550 kg	*24750 kg	*24750 kg	*19650 kg	*19650 kg
-4.6 m	*10350 kg	9650 kg			*12100 kg	10900 kg	*16150 kg	*15750 kg	*21000 kg	*21000 kg	*27400 kg	*27400 kg
-6.1 m	*9500 kg	*9500 kg					*11450 kg	*11450 kg	*15250 kg	*15250 kg		

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY



PC600-8R1

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⛐: Rating at maximum reach

L mode "ON"

PC600-8R1	Boom: 7300 mm		Arm: 3500 mm		Bucket: 2.80 m³ ISO 7451 heaped		Shoe: 600 mm triple grouser					
A / B	⛐ 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
9.1 m	*8150 kg	*8150 kg										
7.6 m	*7900 kg	*7900 kg	*9850 kg	9550 kg								
6.1 m	*7950 kg	*7450 kg	*12150 kg	9400 kg	*13200 kg	*13200 kg						
4.6 m	*8300 kg	6650 kg	11900 kg	9100 kg	*14800 kg	12750 kg	*18000 kg	*18000 kg	*24400 kg	*24400 kg		
3.0 m	8350 kg	6150 kg	11450 kg	8650 kg	15850 kg	12050 kg	*21550 kg	17600 kg	*26500 kg	*26500 kg		
1.5 m	8200 kg	6050 kg	11050 kg	8300 kg	15200 kg	11450 kg	*22150 kg	16500 kg	*23400 kg	*23400 kg		
0 m	8400 kg	6150 kg	10800 kg	8000 kg	14700 kg	11000 kg	*21400 kg	15850 kg	*17800 kg	*17800 kg		
-1.5 m	9000 kg	6600 kg	10650 kg	7850 kg	14450 kg	10750 kg	21050 kg	15500 kg	*25450 kg	*25450 kg	*16950 kg	*16950 kg
-3.0 m	10250 kg	7600 kg	10650 kg	7900 kg	14400 kg	10700 kg	21050 kg	15550 kg	*30700 kg	25800 kg	*23750 kg	*23750 kg
-4.6 m	12950 kg	9650 kg			14650 kg	10900 kg	*20350 kg	15850 kg	*26250 kg	*26100 kg	*33500 kg	*33500 kg
-6.1 m	*12450 kg	*12450 kg					*14750 kg	*14750 kg	*19500 kg	*19500 kg		

L mode "OFF"

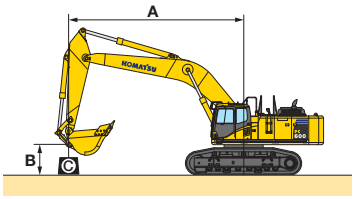
PC600-8R1	Boom: 6600 mm		Arm: 2900 mm		Bucket: 3.50 m³ ISO 7451 heaped		Shoe: 600 mm triple grouser					
A / B	⛐ MAX		9.1 m		7.6 m		6.1 m		4.6 m		3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m	*9650 kg	*9650 kg										
7.6 m	*9050 kg	*9050 kg			*11550 kg	*11550 kg						
6.1 m	*8950 kg	*8950 kg			*11750 kg	*11750 kg						
4.6 m	*9200 kg	8250 kg	*11250 kg	9000 kg	*12700 kg	*12700 kg	*15450 kg	*15450 kg	*20100 kg	*20100 kg		
3.0 m	*9800 kg	7600 kg	11500 kg	8650 kg	*14000 kg	12100 kg	*17950 kg	17650 kg	*24650 kg	*24650 kg		
1.5 m	9950 kg	7400 kg	11150 kg	8350 kg	*15000 kg	11500 kg	*19750 kg	16750 kg	*26900 kg	25900 kg		
0 m	10300 kg	7650 kg	10900 kg	8100 kg	14850 kg	11100 kg	*20250 kg	16100 kg	*26150 kg	25000 kg		
-1.5 m	11250 kg	8400 kg	10850 kg	8050 kg	14650 kg	10900 kg	*19800 kg	15800 kg	*26750 kg	*25950 kg	*18800 kg	*18800 kg
-3.0 m	*11500 kg	9950 kg			*13250 kg	11000 kg	*17950 kg	15950 kg	*23750 kg	*23750 kg	*24700 kg	*24700 kg
-4.6 m	*10650 kg	*10650 kg					*13500 kg	*13500 kg	*18250 kg	*18250 kg	*23100 kg	*23100 kg

L mode "ON"

PC600-8R1	Boom: 6600 mm		Arm: 2900 mm		Bucket: 3.50 m³ ISO 7451 heaped		Shoe: 600 mm triple grouser					
A / B	⛐ 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
9.1 m	*11800 kg	*11800 kg										
7.6 m	*11100 kg	*11100 kg			*14400 kg	13500 kg						
6.1 m	*10950 kg	9400 kg			*14700 kg	13300 kg						
4.6 m	10900 kg	8250 kg	11800 kg	9000 kg	*15900 kg	12750 kg	*19100 kg	18950 kg	*24600 kg	*24600 kg		
3.0 m	10150 kg	7600 kg	11500 kg	8650 kg	15900 kg	12100 kg	*22250 kg	17750 kg	*30350 kg	28050 kg		
1.5 m	9950 kg	7400 kg	11150 kg	8350 kg	15300 kg	11500 kg	22450 kg	16750 kg	*26900 kg	25900 kg		
0 m	10300 kg	7650 kg	10900 kg	8100 kg	14850 kg	11100 kg	21700 kg	16100 kg	*26150 kg	25000 kg		
-1.5 m	11250 kg	8400 kg	10850 kg	8050 kg	14650 kg	10900 kg	21400 kg	15800 kg	*33050 kg	26100 kg	*22500 kg	*22500 kg
-3.0 m	13350 kg	9950 kg			14750 kg	11000 kg	21550 kg	15950 kg	*29500 kg	26450 kg	*31000 kg	*31000 kg
-4.6 m	*13750 kg	*13750 kg					*17200 kg	*16300 kg	*23000 kg	*23000 kg	*29100 kg	*29100 kg

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY



PC600LC-8R1

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊛: Rating at maximum reach

L mode "OFF"

PC600LC-8R1	Boom: 7660 mm	Arm: 3500 mm	Bucket: 2.70 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⊛ 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
9.1 m	*6950 kg	*6950 kg										
7.6 m	*6750 kg	*6750 kg	*9400 kg	*9400 kg								
6.1 m	*6850 kg	*6850 kg	*9700 kg	*9700 kg	*10800 kg	*10800 kg						
4.6 m	*7100 kg	6650 kg	*10400 kg	9600 kg	*12100 kg	*12100 kg	*15000 kg	*15000 kg	*20100 kg	*20100 kg		
3.0 m	*7600 kg	6200 kg	*11250 kg	9150 kg	*13600 kg	12450 kg	*17850 kg	*17600 kg				
1.5 m	*8300 kg	6050 kg	*11950 kg	8750 kg	*14800 kg	11800 kg	*19650 kg	16750 kg	*14500 kg	*14500 kg		
0 m	9350 kg	6150 kg	*12350 kg	8450 kg	*15400 kg	11350 kg	*20200 kg	16150 kg	*16850 kg	*16850 kg		
-1.5 m	9950 kg	6550 kg	*12300 kg	8300 kg	*15450 kg	11100 kg	*20000 kg	15850 kg	*16550 kg	*16550 kg	*11950 kg	*11950 kg
-3.0 m	*10150 kg	7400 kg	*11600 kg	8300 kg	*14800 kg	11100 kg	*18950 kg	15900 kg	*24500 kg	*24500 kg	*14350 kg	*14350 kg
-4.6 m	*10150 kg	9100 kg			*12950 kg	11300 kg	*16650 kg	*16100 kg	*21150 kg	*21150 kg	*24800 kg	*24800 kg
-6.1 m	*9500 kg	*9500 kg			*8550 kg	8550 kg	*12800 kg	*12800 kg	*16300 kg	*16300 kg		

L mode "ON"

PC600LC-8R1	Boom: 7660 mm	Arm: 3500 mm	Bucket: 2.70 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⊛ 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
9.1 m	*8550 kg	*8550 kg										
7.6 m	*8350 kg	*8350 kg	*11850 kg	10200 kg								
6.1 m	*8450 kg	7350 kg	*12250 kg	10000 kg	*13500 kg	*13500 kg						
4.6 m	*8750 kg	6650 kg	*13100 kg	9600 kg	*15100 kg	13250 kg	*18600 kg	*18600 kg	*24650 kg	*24650 kg		
3.0 m	9300 kg	6200 kg	13450 kg	9150 kg	*17000 kg	12450 kg	*22100 kg	17850 kg				
1.5 m	9150 kg	6050 kg	13000 kg	8750 kg	17600 kg	11800 kg	*24350 kg	16750 kg	*17400 kg	*17400 kg		
0 m	9350 kg	6150 kg	12700 kg	8450 kg	17100 kg	11350 kg	24800 kg	16150 kg	*20150 kg	*20150 kg		
-1.5 m	9950 kg	6550 kg	12500 kg	8300 kg	16800 kg	11100 kg	24450 kg	15850 kg	*19950 kg	*19950 kg	*14450 kg	*14450 kg
-3.0 m	11150 kg	7400 kg	12500 kg	8300 kg	16800 kg	11100 kg	*23650 kg	15900 kg	*30400 kg	26200 kg	*17400 kg	*17400 kg
-4.6 m	*13000 kg	9100 kg			*16400 kg	11300 kg	*20900 kg	16200 kg	*26450 kg	*26450 kg	*29600 kg	*29600 kg
-6.1 m	*12350 kg	*12350 kg			*11150 kg	*11150 kg	*16350 kg	*16350 kg	*20650 kg	*20650 kg		

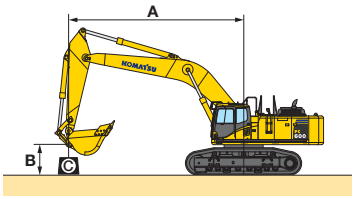
L mode "OFF"

PC600LC-8R1	Boom: 7300 mm	Arm: 3500 mm	Bucket: 2.80 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⊛ 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
9.1 m	*6500 kg	*6500 kg										
7.6 m	*6300 kg	*6300 kg	*8000 kg	*8000 kg								
6.1 m	*6350 kg	*6350 kg	*9550 kg	*9550 kg	*10500 kg	*10500 kg						
4.6 m	*6650 kg	*6650 kg	*10150 kg	9250 kg	*11750 kg	*11750 kg	*14500 kg	*14500 kg	*19900 kg	*19900 kg		
3.0 m	*7200 kg	6300 kg	*11000 kg	8850 kg	*13300 kg	12250 kg	*17350 kg	*17350 kg	*24100 kg	*24100 kg		
1.5 m	*8000 kg	6150 kg	*11650 kg	8450 kg	*14500 kg	11650 kg	*19250 kg	16800 kg	*21300 kg	*21300 kg		
0 m	*9200 kg	6300 kg	*12050 kg	8200 kg	*15150 kg	11200 kg	*20000 kg	16150 kg	*14600 kg	*14600 kg		
-1.5 m	*10200 kg	6800 kg	*11900 kg	8050 kg	*15150 kg	10950 kg	*19850 kg	15800 kg	*21100 kg	*21100 kg	*14000 kg	*14000 kg
-3.0 m	*10350 kg	7750 kg	*10900 kg	8050 kg	*14400 kg	10900 kg	*18750 kg	15850 kg	*24750 kg	*24750 kg	*19650 kg	*19650 kg
-4.6 m	*10350 kg	9850 kg			*12100 kg	11150 kg	*16150 kg	*16050 kg	*21000 kg	*21000 kg	*27400 kg	*27400 kg
-6.1 m	*9500 kg	*9500 kg					*11450 kg	*11450 kg	*15250 kg	*15250 kg		

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY



PC600LC-8R1

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⟲: Rating at maximum reach

L mode "ON"

PC600LC-8R1	Boom: 7300 mm	Arm: 3500 mm	Bucket: 2.80 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⟲ 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
9.1 m	*8150 kg	*8150 kg										
7.6 m	*7900 kg	*7900 kg	*9850 kg	9750 kg								
6.1 m	*7950 kg	7650 kg	*12150 kg	9600 kg	*13200 kg	*13200 kg						
4.6 m	*8300 kg	6800 kg	*12900 kg	9250 kg	*14800 kg	13000 kg	*18000 kg	*18000 kg	*24400 kg	*24400 kg		
3.0 m	*8900 kg	6300 kg	13150 kg	8850 kg	*16700 kg	12250 kg	*21550 kg	17900 kg	*26500 kg	*26500 kg		
1.5 m	9450 kg	6150 kg	12750 kg	8450 kg	17450 kg	11650 kg	*23950 kg	16800 kg	*23400 kg	*23400 kg		
0 m	9700 kg	6300 kg	12450 kg	8200 kg	16950 kg	11200 kg	24750 kg	16150 kg	*17800 kg	*17800 kg		
-1.5 m	10400 kg	6800 kg	12300 kg	8050 kg	16700 kg	10950 kg	*24500 kg	15800 kg	*25450 kg	*25450 kg	*16950 kg	*16950 kg
-3.0 m	11850 kg	7750 kg	12300 kg	8050 kg	16600 kg	10900 kg	*23450 kg	15850 kg	*30700 kg	26250 kg	*23750 kg	*23750 kg
-4.6 m	*13350 kg	9850 kg			*15450 kg	11150 kg	*20350 kg	16150 kg	*26250 kg	*26250 kg	*33500 kg	*33500 kg
-6.1 m	*12450 kg	*12450 kg					*14750 kg	*14750 kg	*19500 kg	*19500 kg		

L mode "OFF"

PC600LC-8R1	Boom: 6600 mm	Arm: 2900 mm	Bucket: 3.50 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⟲ 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
9.1 m	*9650 kg	*9650 kg										
7.6 m	*9050 kg	*9050 kg			*11550 kg	*11550 kg						
6.1 m	*8950 kg	*8950 kg			*11750 kg	*11750 kg						
4.6 m	*9200 kg	8400 kg	*11250 kg	9150 kg	*12700 kg	*12700 kg	*15450 kg	*15450 kg	*20100 kg	*20100 kg		
3.0 m	*9800 kg	7750 kg	*11750 kg	8850 kg	*14000 kg	12300 kg	*17950 kg	17900 kg	*24650 kg	*24650 kg		
1.5 m	*10800 kg	7600 kg	*12150 kg	8500 kg	*15000 kg	11750 kg	*19750 kg	17050 kg	*26900 kg	26350 kg		
0 m	*11500 kg	7800 kg	*12200 kg	8300 kg	*15500 kg	11350 kg	*20250 kg	16400 kg	*26150 kg	25450 kg		
-1.5 m	*11600 kg	8550 kg	*11300 kg	8250 kg	*15000 kg	11150 kg	*19800 kg	16100 kg	*26750 kg	*26400 kg	*18800 kg	*18800 kg
-3.0 m	*11500 kg	10150 kg			*13250 kg	11250 kg	*17950 kg	16250 kg	*23750 kg	*23750 kg	*24700 kg	*24700 kg
-4.6 m	*10650 kg	*10650 kg					*13500 kg	*13500 kg	*18250 kg	*18250 kg	*23100 kg	*23100 kg

L mode "ON"

PC600LC-8R1	Boom: 6600 mm	Arm: 2900 mm	Bucket: 3.50 m³ ISO 7451 heaped	Shoe: 600 mm triple grouser

A / B	⟲ 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
9.1 m	*11800 kg	*11800 kg										
7.6 m	*11100 kg	*11100 kg			*14400 kg	13700 kg						
6.1 m	*10950 kg	9600 kg			*14700 kg	13500 kg						
4.6 m	*11250 kg	8400 kg	13500 kg	9150 kg	*15900 kg	13000 kg	*19100 kg	*19100 kg	*24650 kg	*24600 kg		
3.0 m	11650 kg	7750 kg	13150 kg	8850 kg	*17500 kg	12300 kg	*22250 kg	18050 kg	*30350 kg	28500 kg		
1.5 m	11450 kg	7600 kg	12800 kg	8500 kg	17550 kg	11750 kg	*24450 kg	17050 kg	*26900 kg	26350 kg		
0 m	11850 kg	7800 kg	12550 kg	8300 kg	17150 kg	11350 kg	25100 kg	16400 kg	*26150 kg	25450 kg		
-1.5 m	12950 kg	8550 kg	12500 kg	8250 kg	16900 kg	11150 kg	*24650 kg	16100 kg	*33050 kg	26550 kg	*22500 kg	*22500 kg
-3.0 m	*14750 kg	10150 kg			*16800 kg	11250 kg	*22450 kg	16250 kg	*29500 kg	26900 kg	*31000 kg	*31000 kg
-4.6 m	*13750 kg	*13750 kg					*17200 kg	*16600 kg	*23000 kg	*23000 kg	*29100 kg	*29100 kg

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

TRANSPORTATION GUIDE

Transportation specifications (Length x height x width)

Backhoe

Specs shown include the following equipment:
PC600-8R1: boom 7660 mm, arm 3500 mm,
bucket 2.70 m³, shoes 600 mm triple grouser

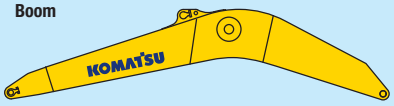
Loading Shovel

Specs shown include the following equipment:
PC600-8R1: boom 4000 mm, arm 3000 mm,
bucket 4.00 m³, shoes 600 mm double grouser

3 Kits Transportation

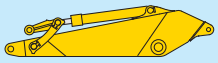
Work equipment assembly (Backhoe)
Weight : 12.5 t

Boom



4.9 t : 7920 x 2040 x 1190 mm

Arm



3.3 t : 4870 x 1210 x 650 mm

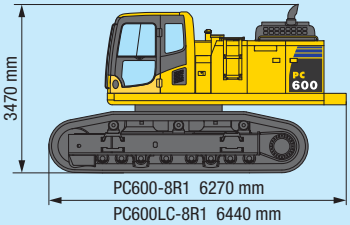
Bucket

2.5 t : 2150 x 1780 x 1780 mm

Boom cylinder & arm cylinder

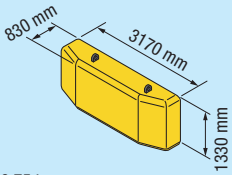
Total 1.7 t

Base machine

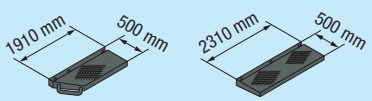


Width : 3195 mm
Weight : PC600-8R1 34.4 t
PC600LC-8R1 35.4 t

Others
Weight : 12.3 t



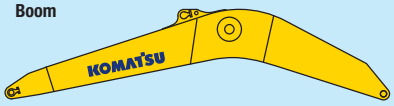
Weight : 10.75 t



4 Kits Transportation

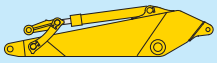
Work equipment assembly (Backhoe)
Weight : 12.5 t

Boom



4.9 t : 7920 x 2040 x 1190 mm

Arm



3.3 t : 4870 x 1210 x 650 mm

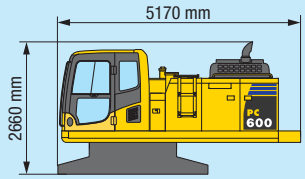
Bucket

2.5 t : 2150 x 1780 x 1780 mm

Boom cylinder & arm cylinder

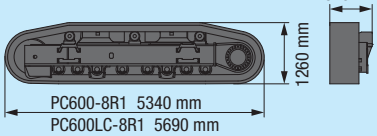
Total 1.7 t

Upper structure



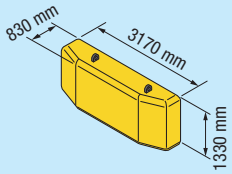
Width : 3170 mm
Weight : 18.4 t

Undercarriage

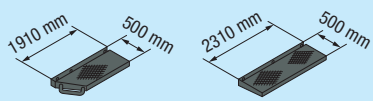


Weight : PC600-8R1 16.0 t [8.0 t x 2]
PC600LC-8R1 17.0 t [8.5 t x 2]

Others
Weight : 12.3 t

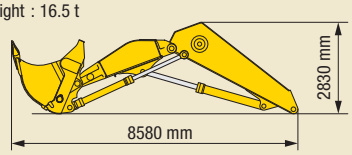


Weight : 10.75 t

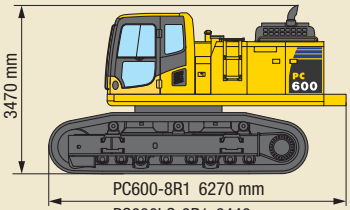


3 Kits Transportation

Work equipment assembly (Loading shovel)
Width : 2090 mm
Weight : 16.5 t

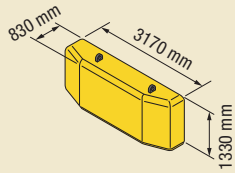


Base machine

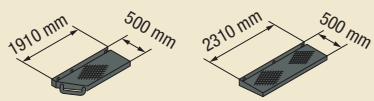


Width : 3195 mm
Weight : PC600-8R1 34.4 t
PC600LC-8R1 35.4 t

Others
Weight : 12.3 t



Weight : 10.75 t



STANDARD EQUIPMENT

ENGINE AND RELATED ITEMS:
- Air cleaner, double element, dry
- Engine, Komatsu SAA6D140E-5
- Variable speed cooling fan, with fan guard

ELECTRICAL SYSTEM:
- Alternator, 24 V/50 A
- Auto decelerator and auto idling system
- Batteries, 2 x 12 V/170 Ah
- Starting motors, 11 kW
- Working lights 2 (Boom and right front)

UNDERCARRIAGE:
- 8 track/3 carrier rollers (Each side)
- 9 track/3 carrier rollers (Each side)(LC)
- 600 mm triple grouser
- Hydraulic track adjusters (Each side)
- Sealed track
- Variable track gauge

GUARDS AND COVERS:
- Dust-proof net for radiator and oil cooler
- Pump/engine room partition cover
- Strengthened revolving frame underguard
- Travel motor guards

OPERATOR ENVIRONMENT:
- Cab with pull-up type front window
- Damper mount, all-weather, sound-suppressed cab with tinted safety glass windows, lockable door, intermittent window wiper and washer, floormat, cigarette lighter and ashtray
- Multi-function color monitor, fuel control dials, service meter, gauges (Coolant temperature, hydraulic oil temperature and fuel level), caution lights (Electric charge, engine oil pressure, and air cleaner clogging), indicator lights (Engine preheating and swing lock light) level check lights (Coolant and engine oil level), self-diagnostic system with trouble data memory
- Rear view mirror (R.H., L.H.)
- Seat, fully adjustable with suspension

HYDRAULIC CONTROLS:
- Control levers and pedals for steering and travel with PPC system
- Control levers, wrist control levers for arm, boom, bucket, and swing with PPC system
- Control valves, 5+4 spools (Boom, arm, bucket, swing, and travel)
- Fully hydraulic, with Open-Center Load-Sensing and engine speed sensing (Pump and engine mutual control system)
- In-line filter
- Lifting mode system
- Oil cooler
- One axial piston motor per track for travel with counter balance valve
- One gear pump for control circuit
- Power max function
- Two axial piston motors for swing with single-stage relief valve
- Two-mode setting for boom
- Two variable capacity piston pumps

DRIVE AND BRAKE SYSTEM:
- Brakes, hydraulic lock travel brakes, oil disc parking
- Hydrostatic two travel speed system with planetary triple reduction final drive

OTHER STANDARD EQUIPMENT:
- Automatic swing holding brake
- Catwalk
- Counterweight, 10750 kg
- Horn, electric
- Large handrails
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- Preventive Maintenance (PM) tune-up service connector
- Rear reflector
- Slip-resistant plates
- Travel alarm
- Water separator

OPTIONAL EQUIPMENT

- 12 V electric supply
- Alternator, 24 V/90 A
- Arms (Backhoe):
  - —3500 mm arm assembly
  - —3500 mm HD arm assembly
  - —4300 mm arm assembly
  - —5200 mm arm assembly
  - —2900 mm SE arm assembly
- Auto A/C
- Booms (Backhoe):
  - —7660 mm boom assembly
  - —7300 mm HD boom assembly
  - —6600 mm SE boom assembly
- Cab front guard level 2 (ISO 10262)
- Cab with fixed front window
- Counterweight, 13500 kg
- Electric pump, grease gun with indicator
- Fire extinguisher
- Full length track guard
- General tool kit
- Interconnected horn and flashing light
- Large-capacity batteries
- Loading shovel attachments
- Lower wiper
- OPG top guard level 2 (ISO 10262)
- Radio AM/FM
- Rain visor
- Rear view monitor system
- Rock protectors (Undercarriage)
- Seat belt 78 mm, 50 mm
- Service valve
- Shoes:
  - —600 mm double grouser for backhoe
  - —750 mm triple grouser for backhoe
  - —900 mm triple grouser for PC600LC-8R1 backhoe only
- Spare parts for first service
- Step light with timer
- Sun visor
- Track frame undercover (Center)
- Vandalism protection locks
- Working lights 2 (On cab)

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

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