

# KOMATSU®

## PC600/600LC-8 BACKHOE PC600/600LC-8 LOADING SHOVEL

**HORSEPOWER**  
Gross: 323 kW 433 HP @ 1800 rpm  
Net: 320 kW 429 HP @ 1800 rpm

**OPERATING WEIGHT**  
Backhoe: 57300–60000 kg  
126,320–132,280 lb  
Loading shovel: 61300–62300 kg  
135,140–137,350 lb

ecot3

PC  
600



Photo may include optional equipment.



HYDRAULIC EXCAVATOR

# WALK-AROUND

## GALEO

### *Genuine Answers for Land and Environment Optimization*

#### **Productivity Features**

- **High Work Equipment Speed**  
Increased arm dumping and bucket dumping speed realize efficient loading operation.
- **Lifting Mode**  
The lifting mode increases the lifting force and capacity 14%.
- **Large Digging Force**  
Pressing the Power Max function button temporarily increases the digging force 8%.
- **Two-mode Setting for Boom**  
Switch selection allows either powerful digging or smooth boom operation.
- **Excellent Swing Performance** is achieved by twin-swing motor system even on slope.
- **Large Drawbar Pull and Steering Force** provide excellent mobility.

See page 5.

#### **Excellent Reliability and Durability**

- **Strengthened Boom and Arm**
- **KMAX Bucket** offers superior wear-resistance for specific use in quarry. (optional)
- **Fuel Pre-filter** with water separator equipped as standard
- **O-ring Face Seals**, which have excellent sealing performance, are used for the hydraulic hoses.
- **High-pressure In-line Filtration**  
The cool-running hydraulic system is protected with the most extensive filtration system available, including a high pressure in-line filter for each main pump.
- **Highly Reliable Electronic Devices**  
Exclusively designed electronic devices have passed severe testing.
  - Controller • Sensors • Connectors
  - Heat resistant wiring

See page 6, 7.



#### **Easy Maintenance**

- **Easy Cleaning of Cooling unit**  
Fan reverse-rotation function facilitates clogged radiator cleaning.
- **Radiator and oil cooler are easily detachable from full open type engine hood.**
- **Centralized Arrangement of Engine Checkpoints**
- **Work on Machine Anti-slip Plates for Safe**
- **Large Handrail, Step and Catwalk** provide easy access to the engine and hydraulic equipment.

See page 10.

**Ecology and Economy Features**

- **Komatsu SAA6D140E-5 Engine Meets Tier 3 Emissions Regulations.**
  - World's first cooled EGR system with bypass-assist type electronically controlled venturi
  - Offers high power and low fuel consumption, while conforming to Tier 3 emission regulations.
  - Reduces NOx emissions approximately 40%.
  - Equipped with an electronically controlled variable speed fan.

- **Economy mode Four-level Setting**

Enables operator to select the appropriate Economy mode level to match production requirement with lowest fuel consumption.

- **Reduction of Ambient Noise**

Meets the EU Tier 2 noise regulations.

- Electronically controlled variable speed fan drive
- Large hybrid fan
- Glasswool-furnished low-noise muffler and noise reducing cover around the muffler

See page 4.



Photo may include optional equipment.

**Working Environment**

- **Large Comfortable Cab**
  - Low noise and vibration with cab damper mounting
  - Large-capacity air conditioner (optional)
  - Pressurized cab prevents external dust from entering
  - OPG top guard level 2 (by ISO 10262 standard) capable with optional bolt-on top guard.

See page 8.

**Advanced Monitor Features**

- Machine condition can be checked with Equipment Management Monitoring System (EMMS). See page 11.
- Two working modes combine with lifting mode for maximum productivity. See page 5.

**HORSEPOWER**  
Gross:323 kW 433 HP @ 1800 rpm  
Net:320 kW 429 HP @ 1800 rpm

**OPERATING WEIGHT****Backhoe**

57300–60000 kg  
126,320–132,280 lb

**Loading shovel**

61300–62300 kg  
135,140–137,350 lb

# PC600-8 HYDRAULIC EXCAVATOR

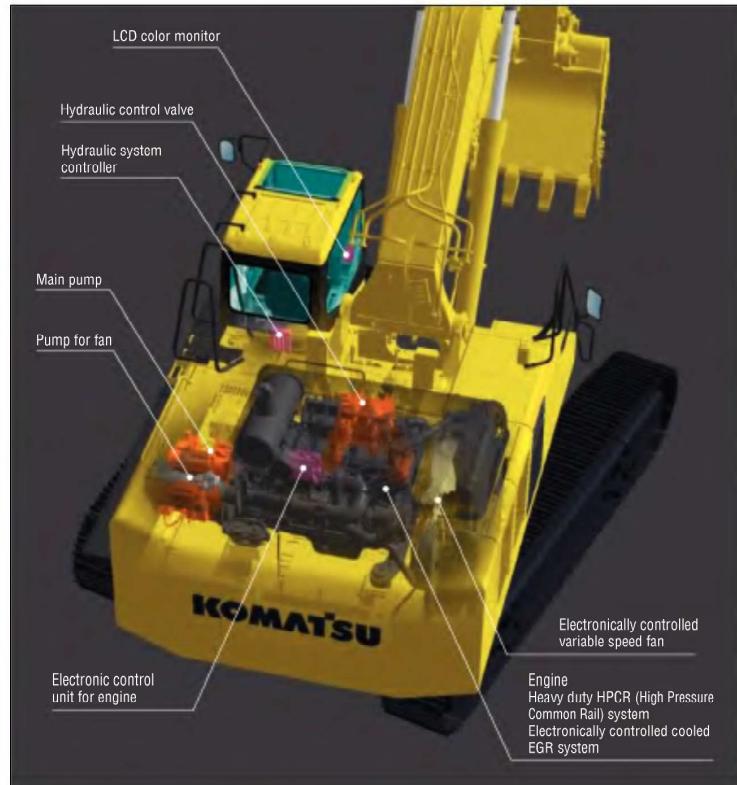
## PRODUCTIVITY & ECOLOGY FEATURES

### 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.



### Environment-friendly Clean Engine Mounted

The PC600-8, which is equipped with the Komatsu SAA6D140E-5 engine, meets the Tier 3 emission regulations in the North America (EPA) and EU stage 3A. The SAA6D140E-5 engine adopts the world's first cooled EGR system with electronically controlled bypass-assist type venturi to reduce NOx emission 40% , while maintaining the high power and low fuel consumption.



This is an image photo: may differ from the actual engine.

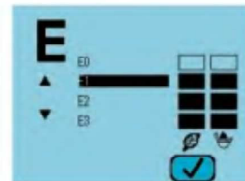
### Electronically Controlled Variable Speed Fan contributes to Low Fuel Consumption and Low Noise

The electronic control system sets the rotational 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 rotation.



### Lower and Economical Fuel Consumption Using Economy Mode

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

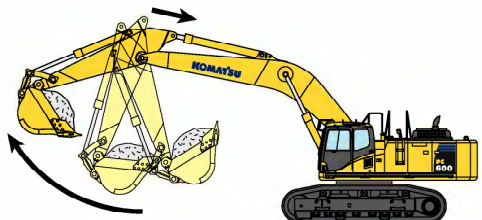


### Reduction of Ambient Noise

Reduced noise by adoption of an electronically controlled variable speed fan drive, large hybrid fan, low-noise muffler and cover with glasswool, to meet EU Tier 2 noise regulations.

**Work Equipment Speed Increased**

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. Combined with increased bucket dumping speed, faster loading work is realized.



**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 being used on inclined sites.

**Large Digging Force**

With the addition of one-touch Power Max. function digging force has been further increased. (8.5 seconds of operation)

**Maximum arm crowd force (ISO):**  
 228 kN (23.3t) ➔ **246 kN (25.1t)** **8% UP**  
(with Power Max.)

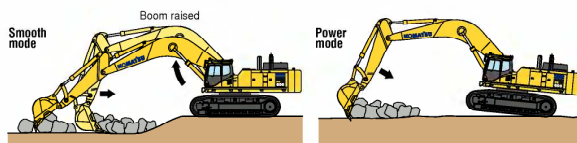
**Maximum bucket digging force (ISO):**  
 294 kN (30.0t) ➔ **317 kN (32.3t)** **8% UP**  
(with Power Max.)

**Lifting Mode**

When lifting mode is selected, lifting capacity increases 17% by raising hydraulic pressure. The work equipment and swing speeds are lowered at the same time to provide additional control.

**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.



**Working Mode Selection**

**Hydraulics**

Unique two-pump system assures smooth compound movement of the work equipment. OLSS (Open Center Load Sensing System) controls all pumps for efficient engine power use. This system also reduces hydraulic loss during operation.

**Power and Economy Mode**

The PC600-8 excavator is equipped with two working modes. Each mode is designed to match engine speed, pump speed, and system pressure to the current application, giving the operator flexibility to match equipment performance to the job at hand.

Working Mode	Application	Advantage
P	Power Mode	<ul style="list-style-type: none"> <li>Maximum production/power</li> <li>Fast cycle time</li> </ul>
E (E0,E1,E2,E3)	Economy Mode	<ul style="list-style-type: none"> <li>Good cycle time</li> <li>Good fuel economy</li> </ul>
L	Lifting Mode	<ul style="list-style-type: none"> <li>Hydraulic pressure is increased 17%.</li> </ul>

**Multi-Function Color Monitor**

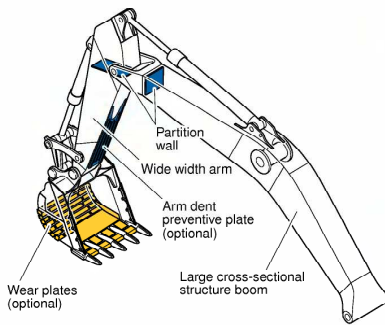


# RELIABILITY FEATURES

## Excellent Reliability and Durability

### Strengthened Boom and Arm

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 in the fuel to enhance the fuel system reliability.



Fuel pre-filter

### High-pressure In-line Filtration

The PC600-8 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 utilized for the engine electric circuit and other major component circuit.

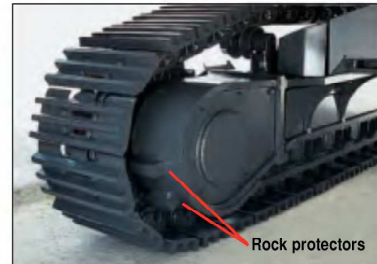
### Circuit Breaker

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



### Sturdy Undercarriage

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



Rock protectors

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



Track roller guard (full length) (optional)

### Strengthened Revolving Frame Underguard

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

### DT-type connectors

DT-type connectors seal tight and have higher reliability.



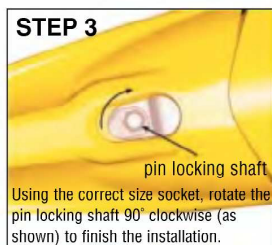
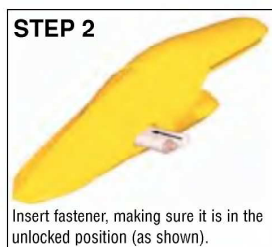
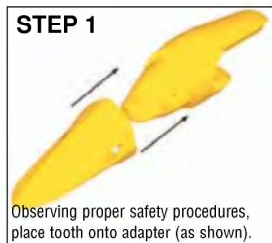
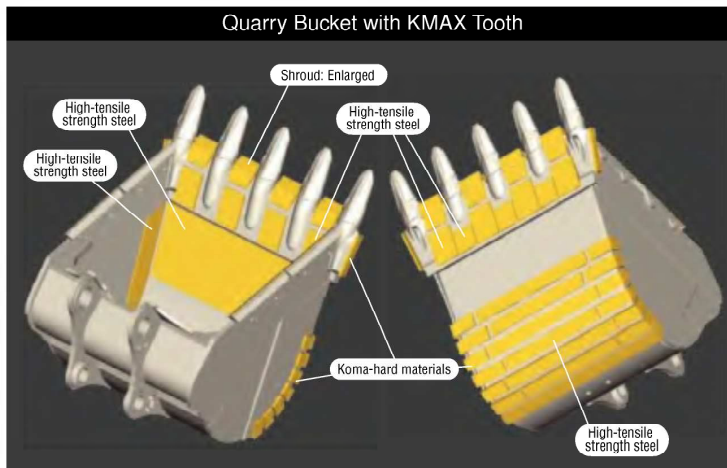
**Strengthened Quarry Bucket for Provides Outstanding Wear-resistance (optional)**

The bucket for specific use in quarry is impact and wear resistant, providing high performance and long life. Koma-hard materials\* provide excellent wear resistance. Combined with adoption of long-life KMAX tooth, durability of bucket is drastically enhanced.

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

**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.)



# WORKING ENVIRONMENT

*The cab interior is spacious and provides a comfortable working environment...*

## Large Comfortable Cab

### Comfortable Cab

New PC600-8's cab offers an exceptionally comfortable operating environment. The large cab enables full flat reclining of the seat back with headrest.

### Pressurized Cab

The optional air conditioner, air filter and a higher internal air pressure (6.0 mm Aq 0.2" in Aq) prevent external dust from entering the cab.

### Low Noise Design

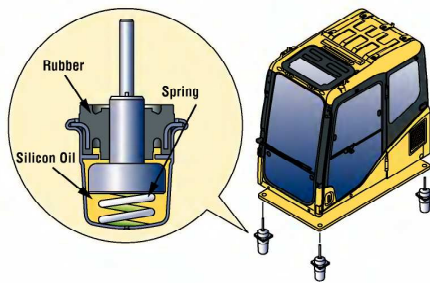
Noise level is remarkably reduced, not only engine noise but also swing and hydraulic relief noise.

### Low Vibration with Cab Damper Mounting

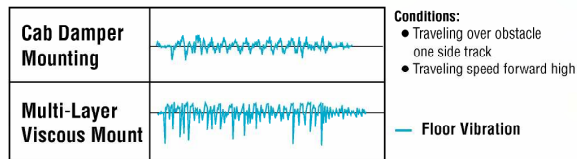
PC600-8 uses a new, improved cab damper mount system that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with a strengthened left and right side deck aids vibration reduction at the operator's seat.

Vibration at floor is reduced from 120 dB (VL) to 115 dB (VL).

dB (VL) is index for expressing size of vibration.



### Comparison of Riding Comfort



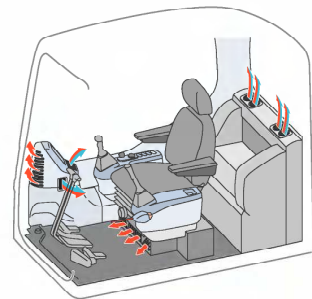
Vertical direction on graph shows size of vibration.



Photo may include optional equipment.

### Automatic Air Conditioner (Optional)

A 6,900 kcal air conditioner is utilized. The bi-level control function 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.



**Skylight**



**Sliding Window**



### Washable Cab Floormat

*The PC600-8's cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.*



**Safety Features**

**Cab**

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

**Wide Visibility**

The right side window pillar has been removed and the rear pillar reshaped to provide better visibility. Blind spots have been decreased by 34%.

**Pump/engine room partition**

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

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

**Steps serrated and large handrail**

Steps serrated provide anti-slip footing for added safety.



*Seat with headrest reclined full flat*

*Photo may include optional equipment.*

**Multi-position Controls**

The multi-position, PPC (proportional pressure control) 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 13.4", increased 120 mm 4.7"*



*Large Handrail and Wide Catwalk*



*Anti-Slip Plates*



*Defroster (optional)*



*Cab Frame Mounted Wiper*



*Bottle Holder and Magazine Rack*



*Thermal Guard*

# EASY MAINTENANCE FEATURES

*Komatsu Designed the PC600-8 for Easy Service Access.*

### 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.



### One-touch Drain Cock

Easier, cleaner engine oil changes.

### Reduced Maintenance Costs

Hydraulic oil filter replacement is extended from 500 to 1000 hours. Engine oil and filter replacement interval are extended from 250 to 500 hours.



### Electric operated Grease Gun Equipped with Hose Reel (Optional)

Greasing is made easy with the electric operated grease gun and indicator.



Indicator Grease gun

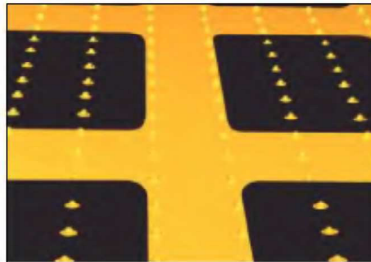
### Wide Catwalk and Large Handrails

Easier, safer operator cab access and maintenance checks.



### Anti-slip Plates

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



### Easy Cleaning of Radiator

Reverse-rotation function of the hydraulic driven fan facilitates cleaning of the cooling unit. In addition, this function contributes to reducing warming-up run time in low temperature and discharging hot air from the engine room to keep appropriate heat balance.



### Steps Connected to the Machine Cab

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



### Dust Indicator with 5-step Indication

Informs of air cleaner clogging in 5 steps to warn of filter condition.



### Easy Detachable Radiator

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



**High-Quality EMMS Self-diagnostic System**



• **Abnormality Checking Function**

In case any abnormality should occur, the monitoring system checks whether hydraulic pressure, solenoid ON/OFF status, disconnection, engine speed, current of electricity, etc. are in the normal conditions to keep the machine downtime to a minimum.

• **Maintenance History Memory Function**

Maintenance records such as replacement of engine oil, hydraulic oil, filters, etc. can be stored.

• **Trouble Data Memory Function**

All the trouble data are stored to serve as references for future checking and maintenance.

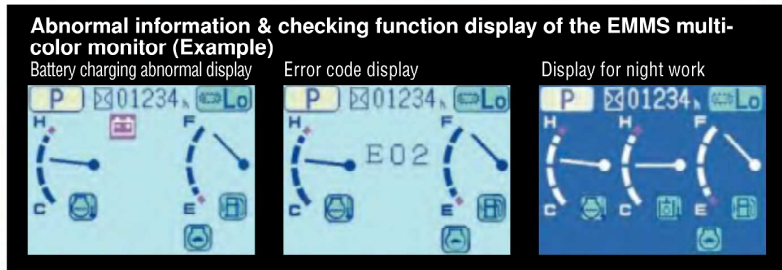
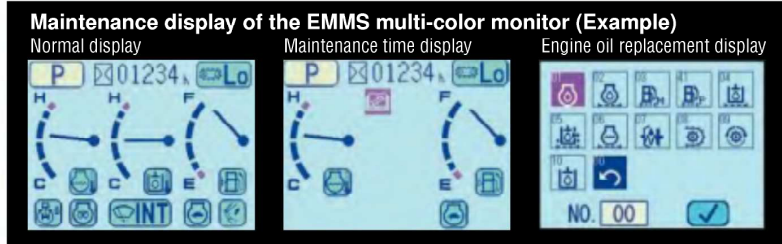


Photo may include optional equipment.

# PC600-8 HYDRAULIC EXCAVATOR

## SPECIFICATIONS



### ENGINE

Model ..... Komatsu SAA6D140E-5  
 Type ..... Water-cooled, 4-cycle, direct injection  
 Aspiration ..... Turbocharged, aftercooled, cooled EGR  
 Number of cylinders ..... 6  
 Bore ..... **140 mm 5.51"**  
 Stroke ..... **165 mm 6.50"**  
 Piston displacement ..... **15.24 ltr 930 in<sup>3</sup>**  
 Governor ..... All-speed, electronic  
 Horsepower:  
 SAE J1995 ..... Gross **323 kW 433 HP**  
 ISO 9249 / SAE J1349\* ..... Net **320 kW 429 HP**  
 Rated rpm ..... 1800 rpm  
 Fan drive type ..... Hydraulic

Meets EPA Tier 3 and EU stage 3A emission regulations.  
 \*Net horsepower at the maximum speed of radiator cooling fan is 288 kW 386HP.



### 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 ltr/min** 2 x 108 U.S. gal/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<sup>2</sup> 4,620 psi  
 Loading shovel ..... **29.4 MPa** 300 kgf/cm<sup>2</sup> 4,270 psi  
 Travel circuit ..... **34.3 MPa** 350 kgf/cm<sup>2</sup> 4,980 psi  
 Swing circuit ..... **25.5 MPa** 260 kgf/cm<sup>2</sup> 3,700 psi  
 Pilot circuit ..... **2.9 MPa** 30 kgf/cm<sup>2</sup> 430 psi

Hydraulic cylinders:  
 Number of cylinders—bore x stroke  
 Boom ..... **2 – 185 mm x 1725 mm** 7.3" x 67.9"  
 Arm  
 Backhoe ..... **1 – 200 mm x 2045 mm** 7.9" x 80.5"  
 Loading shovel ..... **2 – 200 mm x 2045 mm** 7.9" x 80.5"  
 Bucket : STD ..... **1 – 185 mm x 1425 mm** 7.3" x 56.1"  
 for **2.9m 9.6"** Arm ..... **1 – 185 mm x 1610 mm** 7.3" x 63.4"  
 Bucket bottom ..... **2 – 140 mm x 335 mm** 5.5" x 13.2"



### DRIVES AND BRAKES

Steering control ..... Two levers with pedals  
 Drive method ..... Fully hydrostatic  
 Travel motor ..... Axial piston motor, in-shoe design  
 Reduction system ..... Planetary triple reduction  
 Maximum drawbar pull ..... **415kN 42300 kg** 93,250 lb  
 Gradeability ..... 70%  
 Maximum travel speed  
 Low ..... **3.0 km/h** 1.9 mph  
 High ..... **4.9 km/h** 3.0 mph  
 Service brake ..... Hydraulic lock  
 Parking brake ..... Oil disc brake



### SWING SYSTEM

Driven method ..... Hydraulic motor  
 Swing reduction ..... Planetary gear  
 Swing circle lubrication ..... Grease-bathed  
 Swing lock ..... Oil disc brake  
 Swing speed ..... 8.3 rpm



### UNDERCARRIAGE

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



### COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... **880 ltr** 232.5 U.S. gal  
 Radiator ..... **58 ltr** 15.3 U.S. gal  
 Engine ..... **40 ltr** 10.6 U.S. gal  
 Final drive, each side ..... **10 ltr** 2.6 U.S. gal  
 Swing drive ..... **2 x 13 ltr** 2 x 3.4 U.S. gal  
 Hydraulic tank ..... **360 ltr** 95.0 U.S. gal



### OPERATING WEIGHT (APPROXIMATE)

**BACKHOE**  
 Operating weight, including **7660 mm 25'2"** boom, **3500 mm 11'6"** arm, SAE heaped **2.7 m<sup>3</sup> 3.53 yd<sup>3</sup>** backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Shoes	PC600-8		PC600LC-8	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
Triple grouser 600 mm 24"	<b>57300 kg</b> 126,320 lb	<b>101.6 kPa</b> 1.04 kgf/cm <sup>2</sup> 14.8 psi	<b>58300 kg</b> 128,530 lb	<b>96.1 kPa</b> 0.98 kgf/cm <sup>2</sup> 13.9 psi
<b>750 mm</b> 29.5"	<b>58100 kg</b> 128,090 lb	<b>82.5 kPa</b> 0.84 kgf/cm <sup>2</sup> 11.9 psi	<b>59100 kg</b> 130,290 lb	<b>78.0 kPa</b> 0.80 kgf/cm <sup>2</sup> 11.4 psi
<b>900 mm</b> 35.5"	–	–	<b>60000 kg</b> 132,280 lb	<b>65.9 kPa</b> 0.67 kgf/cm <sup>2</sup> 9.5 psi

**LOADING SHOVEL**  
 Operating weight, including **4000 mm 13'1"** boom, **3000 mm 9'10"** arm, **4.0 m<sup>3</sup> 5.2 yd<sup>3</sup>** heaped bucket, operator, lubricants, coolant, full fuel tank and standard equipment.

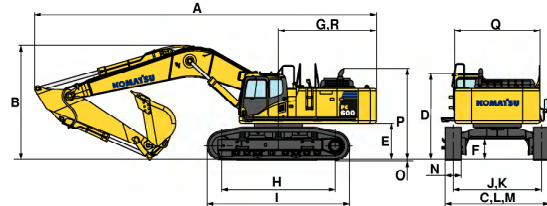
Shoes	PC600-8		PC600LC-8	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
Double grouser 600 mm 24"	<b>61300 kg</b> 135,140 lb	<b>109 kPa</b> 1.11 kgf/cm <sup>2</sup> 15.8 psi	<b>62300 kg</b> 137,350 lb	<b>102 kPa</b> 1.04 kgf/cm <sup>2</sup> 14.8 psi



## DIMENSIONS

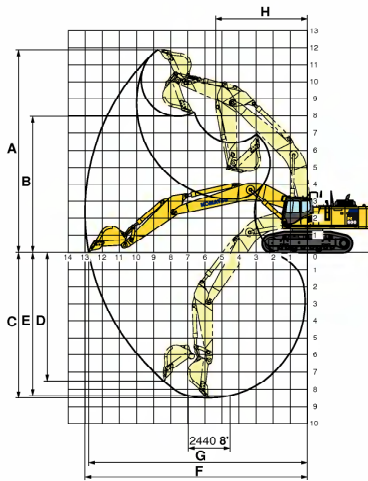
	Boom	7660 mm 25'2"	7660 mm 25'2"	7660 mm 25'2"	7300 mm 23'11"	6600 mm 21'8"
	Arm	3500 mm 11'6"	4300 mm 14'1"	5200 mm 17'1"	3500 mm 11'6"	2900 mm 9'6"
A	Overall length	12910 mm 42'4"	12830 mm 42'1"	12535 mm 41'2"	12540 mm 41'2"	11930 mm 39'2"
B	Overall height (to top of boom)	4300 mm 14'1"	4655 mm 15'3"	5235 mm 17'2"	4280 mm 14'1"	4600 mm 15'1"

	PC600-8	PC600LC-8	
C	Overall width	3900 mm 12'10"	3900 mm 12'10"
D	Overall height (to top of cab)	3280 mm 10'9"	3280 mm 10'9"
E	Ground clearance, counterweight	1365 mm 4'6"	1365 mm 4'6"
F	Ground clearance (minimum)	780 mm 2'7"	780 mm 2'7"
G	Tail swing radius	3900 mm 12'10"	3900 mm 12'10"
H	Track length on ground	4250 mm 13'11"	4600 mm 15'1"
I	Track length	5340 mm 17'6"	5690 mm 18'8"
J	Track gauge	2590 mm 8'6"	2590 mm 8'6"
K	Track gauge when expanded	3300 mm 10'10"	3300 mm 10'10"
L	Width of crawler	3190 mm 10'6"	3190 mm 10'6"
M	Width of crawler when expanded	3900 mm 12'10"	3900 mm 12'10"
N	Shoe width	600 mm 24"	600 mm 24"
O	Grouser height	37 mm 1.5"	37 mm 1.5"
P	Machine cab height	3435 mm 11'3"	3435 mm 11'3"
Q	Machine cab width	3195 mm 10'6"	3195 mm 10'6"
R	Distance, swing center to rear end	3775 mm 12'5"	3775 mm 12'5"



## WORKING RANGE

Unit: mm ft in



	7660 25'2"	7660 25'2"	7660 25'2"	7300 23'11"	6600 21'8"
Boom	7660 25'2"	7660 25'2"	7660 25'2"	7300 23'11"	6600 21'8"
Arm	3500 11'6"	4300 14'1"	5200 17'1"	3500 11'6"	2900 9'6"
A Max. digging height	11880 39'0"	12180 40'0"	12560 41'3"	11475 37'8"	11140 36'7"
B Max. dumping height	7960 26'1"	8245 27'1"	8600 28'3"	7650 25'1"	7210 23'8"
C Max. digging depth	8490 27'10"	9275 30'5"	10225 33'7"	8165 26'9"	7060 23'2"
D Max. vertical wall digging depth	7510 24'8"	8375 27'6"	9275 30'5"	6660 21'10"	5630 18'6"
E Max. digging depth of cut for 8' level	8360 27'5"	9175 30'1"	10125 33'3"	8030 26'4"	6910 22'8"
F Max. digging reach	13020 42'9"	13740 45'1"	14630 48'0"	12615 41'5"	11550 37'11"
G Max. digging reach at ground level	12800 42'0"	13555 44'6"	14435 47'4"	12385 40'8"	11300 37'1"
H Min. swing radius	5370 17'7"	5385 17'8"	5510 18'1"	5090 16'8"	4670 15'4"
Bucket digging force (SAE)	264 kN 26900 kgf 59,300 lbf				289 kN 29500 kgf 65,040 lb
Bucket digging force at power max. (SAE)	285 kN 29100 kgf 64,150 lbf				312 kN 31770 kgf 70,040 lb
Arm crowd force (SAE)	222 kN 22600 kgf 49,820 lb	194 kN 19800 kgf 43,650 lb	170 kN 17300 kgf 38,140 lb	222 kN 22600 kgf 49,820 lb	260 kN 26500 kgf 58,420 lb
Arm crowd force at power max (SAE)	238 kN 24300 kgf 53,570 lb	209 kN 21300 kgf 46,960 lb	182 kN 18600 kgf 41,010 lb	238 kN 24300 kgf 53,570 lb	280 kN 28500 kgf 62,830 lb
Bucket digging force (ISO)	294 kN 30000 kgf 66,140 lb				336 kN 34300 kgf 75,620 lb
Bucket digging force at power max. (ISO)	317 kN 32300 kgf 71,210 lb				362 kN 36900 kgf 81,350 lb
Arm crowd force (ISO)	228 kN 23300 kgf 51,370 lb	202 kN 20600 kgf 45,410 lb	176 kN 17900 kgf 39,460 lb	228 kN 23300 kgf 51,370 lb	272 kN 27700 kgf 61,070 lb
Arm crowd force at power max (ISO)	246 kN 25100 kgf 55,340 lb	218 kN 22200 kgf 48,940 lb	189 kN 19300 kgf 42,550 lb	246 kN 25100 kgf 55,340 lb	293 kN 29900 kgf 65,920 lb



## BACKHOE BUCKET AND ARM COMBINATION

BUCKET CAPACITY (HEAPED)				WIDTH				WEIGHT (with side cutters) kg lb	TOOTH	ARM LENGTH					
SAE, PCSA m <sup>3</sup> yd <sup>3</sup>		CECE m <sup>3</sup> yd <sup>3</sup>		With Side shrouds, Side cutters mm in		Without Side shrouds, Side cutters mm in				m	ft	in			
use with 7.66m 25'2" boom										3.5	11'6"	4.3	14'1"	5.2	17'1"
2.0	2.62	1.8	2.35	1430	56.3"	1250	49.2"	2130	4,700	KMAX	○	○	○		
2.3	3.01	2.1	2.75	1580	62.2"	1400	55.1"	2260	4,980	KMAX	○	□	—		
2.7	3.53	2.4	3.14	1780	70.1"	1600	63.0"	2430	5,360	KMAX	○	—	—		
use with 7.3m 23'11" HD boom										3.5 11'6" HD arm					
2.8	3.66	2.5	3.27	1920	75.6" *	1920	75.6" *	3100	6,830	KMAX	○				
3.1	4.05	2.8	3.66	2040	80.3" *	2040	80.3" *	3210	7,080	KMAX	○	**			
use with 6.6m 21'8" SE boom										2.9 9'6" SE arm					
3.5	4.58	3.1	4.05	2110	83.1" *	2110	83.1" *	3280	7,230	KMAX	○				

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

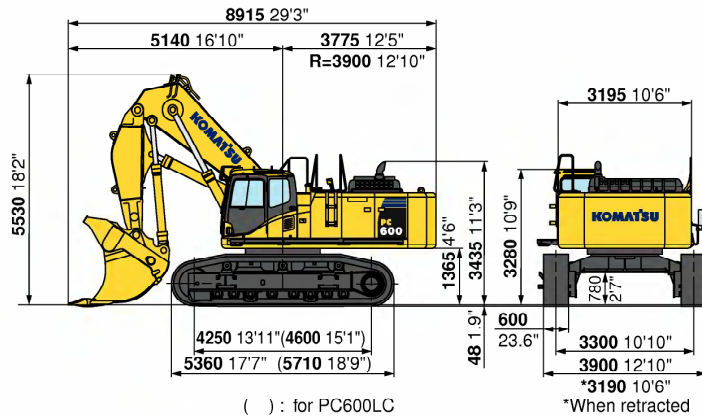
○ : General purpose use, density up to 1.8 t/m<sup>3</sup> 3,000 lb/yd<sup>3</sup> □ : General purpose use, density up to 1.5 t/m<sup>3</sup> 2,500 lb/yd<sup>3</sup>

— : Not useable

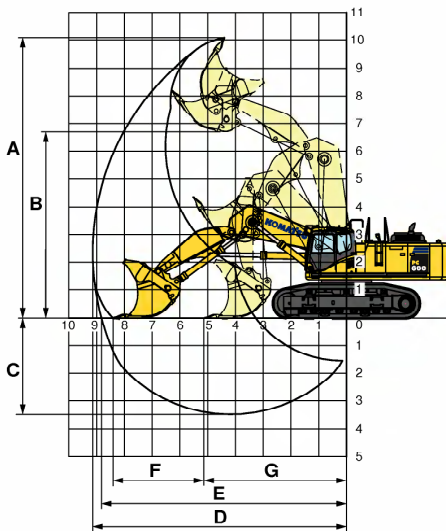
\* : Bucket lip width \*\* : Available only to LC crawler



## LOADING SHOVEL DIMENSIONS



## LOADING SHOVEL WORKING RANGE AND BUCKET SELECTION



### Working Range

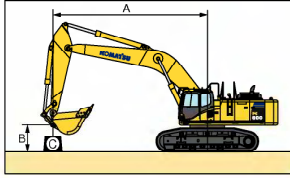
Type of bucket	Bottom dump	
Capacity—heaped	4.0 m <sup>3</sup>	5.2 yd <sup>3</sup>
A Max. cutting height	10090 mm	33'1"
B Max. dumping height	6705 mm	22'0"
C Max. digging depth	3495 mm	11'6"
D Max. digging reach	9190 mm	30'2"
E Max. digging reach at ground level	8850 mm	29'0"
F Level crowding distance	3275 mm	10'9"
G Min. crowd distance	5135 mm	16'10"
Bucket digging force	386 kN	39400 kg 86,860 lb
Arm crowd force	338 kN	34500 kg 76,660 lb

### Bucket Selection

Type of bucket	Bottom dump	
Capacity—heaped	4.0 m <sup>3</sup>	5.2 yd <sup>3</sup>
Width	2090 mm	82.3"
Weight	5700 kg	12,570 lb
No. of bucket teeth	6	
Recommended uses	General-purpose digging and loading	



## LIFTING CAPACITY



### PC600-8

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

Boom : 7.66m 25'2", Arm : 3.5m 11'6", Bucket : 2.7m<sup>3</sup> 3.53cu.yd, Shoes : 600mm 24" triple, L MODE: "OFF" unit: kg lb

B \ A	☉ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'	*6950 *15,300	*6950 *15,300										
7.6m 25'	*6750 *14,900	*6750 *14,900	*9350 *20,700	*9350 *20,700								
6.1m 20'	*6850 *15,100	*6850 *15,100	*9800 *21,600	*9700 21,400	*10950 *24,100	*10950 *24,100						
4.6m 15'	*7100 *15,600	6500 14,300	*10450 *23,100	9300 20,600	*12150 *26,800	*12150 *26,800	*15000 *33,100	*15000 *33,100	*20250 *44,600	*20250 *44,600		
3.0m 10'	*7550 *16,700	6050 13,400	*11200 *24,700	8900 19,600	*13500 *29,700	*12100 26,700	*17100 *37,700	17050 37,600				
1.5m 5'	7950 17,600	5900 13,100	*11250 24,800	8500 18,700	*14600 *32,100	*11450 25,200	*19050 *42,000	*16150 35,600	*14050 *31,000	*14050 *31,000		
0m 0'	8100 17,900	6000 13,300	*10900 24,100	8150 18,000	*14500 32,000	*10850 23,900	*19850 *43,700	15450 34,100	*16550 *36,400	*16550 *36,400		
-1.5m -5'	8650 19,100	6400 14,200	*10750 23,700	8000 17,700	*14100 31,100	*10450 23,000	*19650 *43,300	15200 33,500	*22300 *49,200	*22300 *49,200	*12250 *27,000	*12250 *27,000
-3.0m -10'	9750 21,500	7250 16,000	*10750 23,700	8050 17,700	*14200 31,300	*10550 23,200	*18550 *40,900	15250 33,600	*24150 *53,300	*24150 *53,300	*19450 *42,900	*19450 *42,900
-4.6m -15'	*10150 *22,400	8850 19,600			*12650 *27,900	*10900 24,000	*16300 *35,900	15550 34,300	*20850 *46,000	*20850 *46,000	*26900 *59,400	*26900 *59,400
-6.1m -20'	*9550 *21,000	*9550 *21,000					*11950 *26,300	*11950 *26,300	*15700 *34,700	*15700 *34,700		

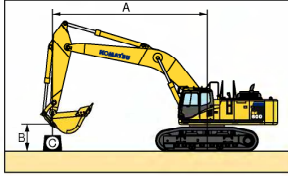
Boom : 7.66m 25'2", Arm : 3.5m 11'6", Bucket : 2.7m<sup>3</sup> 3.53cu.yd, Shoes : 600mm 24" triple, L MODE: "ON" unit: kg lb

B \ A	☉ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'	*8600 *18,900	*8600 *18,900										
7.6m 25'	*8350 *18,400	*8350 *18,400	*11800 *26,100	9900 21,900								
6.1m 20'	*8450 *18,600	7200 15,900	*12350 *27,200	9700 21,400	*13650 *30,100	13600 30,000						
4.6m 15'	8600 18,900	6500 14,300	12100 26,700	9300 20,600	*15200 *33,500	12900 28,400	*18600 *41,000	*18600 *41,000	*24900 *54,900	*24900 *54,900		
3.0m 10'	8100 17,900	6050 13,400	*11650 25,700	8900 19,600	*15900 35,000	12100 26,700	*21300 *46,900	17050 37,600				
1.5m 5'	7950 17,600	5900 13,100	*11250 24,800	8500 18,700	*15150 33,400	11450 25,200	21700 47,900	16150 35,600	*16900 *37,300	*16900 *37,300		
0m 0'	8100 17,900	6000 13,300	*10900 24,100	8150 18,000	*14500 32,000	*10850 23,900	20950 46,200	15450 34,100	*19800 *43,600	*19800 *43,600		
-1.5m -5'	8650 19,100	6400 14,200	*10750 23,700	8000 17,700	*14100 31,100	*10450 23,000	20650 45,600	15200 33,500	*26550 *58,500	24650 54,300	*14750 *32,600	*14750 *32,600
-3.0m -10'	9750 21,500	7250 16,000	*10750 23,700	8050 17,700	*14200 31,300	*10550 23,200	20700 45,700	15250 33,600	*30150 *66,500	24950 55,000	*23200 *51,200	*23200 *51,200
-4.6m -15'	*11800 26,100	8850 19,600			*14550 32,100	*10900 24,000	*20550 *45,300	15550 34,300	*26200 *57,800	25550 56,300	*33300 *73,400	*33300 *73,400
-6.1m -20'	*12400 *27,300	*12400 *27,300					*15400 *34,000	*15400 *34,000	*20100 *44,300	*20100 *44,300		

Boom : 7.3m 23'11", Arm : 3.5m 11'6", Bucket : 2.8m<sup>3</sup> 3.66cu.yd, Shoes : 600mm 24" triple, L MODE: "OFF" unit: kg lb

B \ A	☉ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'	*6500 *14,400	*6500 *14,400										
7.6m 25'	*6300 *13,900	*6300 *13,900	*7700 *17,000	*7700 *17,000								
6.1m 20'	*6350 *14,000	*6350 *14,000	*9650 *21,300	9300 20,600	*10700 *23,600	*10700 *23,600						
4.6m 15'	*6650 *14,700	6650 14,600	*10250 *22,700	9000 19,900	*11900 *26,200	*11900 *26,200	*14550 *32,100	*14550 *32,100				
3.0m 10'	*7150 *15,800	6200 13,600	*11000 *24,200	8600 19,000	*13200 *29,100	11950 26,300	*16900 *37,200	*16900 *37,200	*24200 *53,300	*24200 *53,300		
1.5m 5'	*7950 *17,600	6050 13,300	*11000 24,200	8200 18,100	*14300 *31,500	11250 24,800	*18700 *41,300	16200 35,700	*20750 *45,800	*20750 *45,800		
0m 0'	8400 18,500	6150 13,600	*10700 23,600	7950 17,500	*14500 31,900	*10750 23,800	*19600 *43,200	15400 34,000	*21300 *47,000	*21300 *47,000		
-1.5m -5'	9000 19,900	6650 14,600	*10500 23,200	7800 17,100	*14150 31,200	*10450 23,100	*19450 *42,900	15100 33,300	*26400 *58,200	24650 54,300	*14350 *31,700	*14350 *31,700
-3.0m -10'	10300 22,700	7600 16,800	*10550 23,300	7850 17,300	*14100 *31,000	*10500 23,200	*18250 *40,300	15150 33,400	*24150 *53,300	*24150 *53,300	*21900 *48,300	*21900 *48,300
-4.6m -15'	*10350 *22,800	9600 21,200			*11850 *26,100	*10750 23,700	*15750 *34,700	15450 34,100	*20500 *45,200	*20500 *45,200	*26950 *59,400	*26950 *59,400
-6.1m -20'	*9500 *20,900	*9500 *20,900					*10800 *23,800	*10800 *23,800	*14500 *32,000	*14500 *32,000		

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard NO. J/ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


**PC600-8**

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

 Boom : 7.3m 23'11", Arm : 3.5m 11'6", Bucket : 2.8m<sup>3</sup> 3.66cu.yd, Shoes : 600mm 24" triple, L MODE: "ON" unit: kg lb

B \ A	☉ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'	*8150 *18,000	*8150 *18,000										
7.6m 25'	*7900 *17,400	*7900 *17,400	*9550 *21,100	9450 20,800								
6.1m 20'	*7950 *17,600	7450 16,500	12150 26,800	9300 20,600	*13450 *29,600	13350 29,400						
4.6m 15'	*8300 *18,300	6650 14,600	9000 26,000	9000 19,900	*14950 *32,900	12700 28,000	*18050 *39,800	*18050 *39,800				
3.0m 10'	8350 18,400	6200 13,600	11400 25,100	8600 19,000	15700 34,700	11950 26,300	*21000 *46,300	17400 38,300	*29850 *65,800	27900 61,500		
1.5m 5'	8200 18,100	6050 13,300	11000 24,200	8200 18,100	15000 33,100	11250 24,800	21800 48,000	16200 35,700	*24850 *54,700	*24850 *54,700		
0m 0'	8400 18,500	6150 13,600	10700 23,600	7950 17,500	14500 31,900	10750 23,800	20950 46,200	15400 34,000	*25450 *56,100	24800 54,700		
-1.5m -5'	9000 19,900	6650 14,600	10500 23,200	7800 17,100	14150 31,200	10450 23,100	20600 45,400	15100 33,300	*32000 *70,500	24650 54,300	*17300 *38,200	*17300 *38,200
-3.0m -10'	10300 22,700	7600 16,800	10550 23,300	7850 17,300	14200 31,300	10500 23,200	20650 45,500	15150 33,400	*30200 *66,500	24900 54,900	*26150 *57,600	*26150 *57,600
-4.6m -15'	12900 28,400	9600 21,200			14450 31,900	10750 23,700	*19900 *43,900	15450 34,100	*25800 *56,900	25550 56,300	*33950 *74,800	*33950 *74,800
-6.1m -20'	*12450 *27,400	*12450 *27,400					*14050 *30,900	*14050 *30,900	*18650 *41,200	*18650 *41,200		

 Boom : 6.6m 21'8", Arm : 2.9m 9'6", Bucket : 3.5m<sup>3</sup> 4.58cu.yd, Shoes : 600mm 24" triple, L MODE: "OFF" unit: kg lb

B \ A	☉ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'	*9700 *21,400	*9700 *21,400										
7.6m 25'	*9050 *20,000	*9050 *20,000			*11550 *25,400	*11550 *25,400						
6.1m 20'	*8950 *19,700	*8950 *19,700			*11950 *26,400	*11950 *26,400						
4.6m 15'	*9200 *20,300	8200 18,100	*11350 *25,000	8900 19,600	*12900 *28,500	12700 28,000	*15500 *34,200	*15500 *34,200	*20300 *44,800	*20300 *44,800		
3.0m 10'	*9800 *21,600	7600 16,800	11400 25,100	8600 18,900	*14000 *30,900	12000 26,500	*17650 *38,900	17600 38,800	*24700 *54,500	*24700 *54,500		
1.5m 5'	9950 22,000	7400 16,400	11050 24,400	8300 18,300	*14900 *32,900	11400 25,100	*19000 *41,800	16050 35,400	*27350 *60,300	26200 57,700		
0m 0'	10300 22,700	7650 16,900	10850 23,900	8050 17,800	14700 32,400	10950 24,200	*19900 *43,900	15700 34,600	*27600 *60,800	25250 55,700		
-1.5m -5'	11300 24,900	8400 18,500			14500 32,000	10800 23,800	*19350 *42,700	15450 34,000	*26100 *57,500	25100 55,400	*19300 *42,600	*19300 *42,600
-3.0m -10'	*11500 *25,400	10050 22,100			*12850 *28,400	10900 24,100	*16800 *37,100	14950 33,000	*22950 *50,600	*22950 *50,600	*30500 *67,200	*30500 *67,200
-4.6m -15'	*10650 *23,500	*10650 *23,500					*12900 *28,500	*12900 *28,500	*17500 *38,500	*17500 *38,500	*22300 *49,100	*22300 *49,100

 Boom : 6.6m 21'8", Arm : 2.9m 9'6", Bucket : 3.5m<sup>3</sup> 4.58cu.yd, Shoes : 600mm 24" triple, L MODE: "ON" unit: kg lb

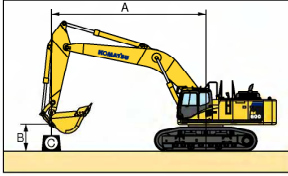
B \ A	☉ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'	*11850 *26,100	*11850 *26,100										
7.6m 25'	*11100 *24,500	*11100 *24,500			*14400 *31,800	13400 29,600						
6.1m 20'	*10950 *24,200	9400 20,700			*14950 *32,900	13200 29,100						
4.6m 15'	10850 24,000	8200 18,100	11700 25,800	8900 19,600	*16150 *35,600	12700 28,000	*19200 *42,300	18950 41,700	*24900 *54,800	*24900 *54,800		
3.0m 10'	10150 22,400	7600 16,800	11400 25,100	8600 18,900	15800 34,900	12000 26,500	*21850 *48,200	17600 38,800	*30400 *67,100	28400 62,700		
1.5m 5'	9950 22,000	7400 16,400	11050 24,400	8300 18,300	15150 33,400	11400 25,100	21700 47,800	16050 35,400	*33750 *74,400	26200 57,700		
0m 0'	10300 22,700	7650 16,900	10850 23,900	8050 17,800	14700 32,400	10950 24,200	21300 46,900	15700 34,600	*34200 *75,300	25250 55,700		
-1.5m -5'	11300 24,900	8400 18,500			14500 32,000	10800 23,800	21000 46,300	15450 34,000	*32450 *71,500	25100 55,400	*23100 *50,900	*23100 *50,900
-3.0m -10'	13450 29,600	10050 22,100			14650 32,300	10900 24,100	20450 45,100	14950 33,000	*28700 *63,300	25500 56,200	*36700 *80,900	*36700 *80,900
-4.6m -15'	*13800 *30,400	*13750 30,400					*16550 *36,500	16150 35,600	*22200 *48,900	*22200 *48,900	*28350 *62,600	*28350 *62,600

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard NO. J/ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.





## LIFTING CAPACITY



### PC600LC-8

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

Boom : 7.66m 25'2", Arm : 3.5m 11'6", Bucket : 2.7m<sup>3</sup> 3.53cu.yd, Shoes : 600mm 24" triple, L MODE: "OFF"

unit: kg lb

B	A	⊙ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'		*6950 *15,300	*6950 *15,300										
7.6m 25'		*6750 *14,900	*6750 *14,900	*9350 *20,700	*9350 *20,700								
6.1m 20'		*6850 *15,100	*6850 *15,100	*9800 *21,600	*9800 *21,600	*10950 *24,100	*10950 *24,100						
4.6m 15'		*7100 *15,600	6600 14,600	*10450 *23,100	9500 20,900	*12150 *26,800	*12150 *26,800	*15000 *33,100	*15000 *33,100	*20250 *44,600	*20250 *44,600		
3.0m 10'		*7550 *16,700	6200 13,700	*11200 *24,700	9050 20,000	*13500 *29,700	*12350 *27,200	*17100 *37,700	*17100 *37,700				
1.5m 5'		*8300 *18,300	6050 13,400	*11850 *26,200	8650 19,100	*14600 *32,100	*11650 25,700	*19050 *42,000	16450 36,300	*14050 *31,000	*14050 *31,000		
0m 0'		9350 20,600	6150 13,600	*12250 *27,000	8350 18,400	*15100 *33,300	11050 24,400	*19850 *43,700	15750 34,800	*16550 *36,400	*16550 *36,400		
-1.5m -5'		9950 22,000	6550 14,500	*12150 *26,800	8200 18,100	*15000 *33,100	10650 23,500	*19650 *43,300	15500 34,100	*22300 *49,200	*22300 *49,200	*12250 *27,000	*12250 *27,000
-3.0m -10'		*10150 *22,400	7400 16,400	*11400 *25,100	8200 18,100	*14350 *31,700	10750 23,700	*18550 *40,900	15550 34,200	*24150 *53,300	*24150 *53,300	*19450 *42,900	*19450 *42,900
-4.6m -15'		*10150 *22,400	9050 20,000			*12650 *27,900	11100 24,500	*16300 *35,900	15850 34,900	*20850 *46,000	*20850 *46,000	*26900 *59,400	*26900 *59,400
-6.1m -20'		*9550 *21,000	*9550 *21,000					*11950 *26,300	*11950 *26,300	*15700 *34,700	*15700 *34,700		

Boom : 7.66m 25'2", Arm : 3.5m 11'6", Bucket : 2.7m<sup>3</sup> 3.53cu.yd, Shoes : 600mm 24" triple, L MODE: "ON"

unit: kg lb

B	A	⊙ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'		*8600 *18,900	*8600 *18,900										
7.6m 25'		*8350 *18,400	*8350 *18,400	*11800 *26,100	10100 22,300								
6.1m 20'		*8450 *18,600	7350 16,200	*12350 *27,200	9850 21,800	*13650 *30,100	*13650 *30,100						
4.6m 15'		*8750 *19,300	6600 14,600	*13200 *29,100	9500 20,900	*15200 *33,500	13100 28,900	*18600 *41,000	*18600 *41,000	*24900 *54,900	*24900 *54,900		
3.0m 10'		*9300 *20,500	6200 13,700	13300 29,400	9050 20,000	*16850 *37,200	12350 27,200	*21300 *46,900	17350 38,300				
1.5m 5'		*9150 *20,200	6050 13,400	12900 28,400	8650 19,100	*17400 *38,300	11650 25,700	*23700 *52,300	16450 36,300	*16900 *37,300	*16900 *37,300		
0m 0'		9350 20,600	6150 13,600	12550 27,700	8350 18,400	16700 36,900	11050 24,400	24350 53,700	15750 34,800	*19800 *43,600	*19800 *43,600		
-1.5m -5'		9950 22,000	6550 14,500	12350 27,300	8200 18,100	16300 35,900	10650 23,500	24050 53,000	15500 34,100	*26550 *58,500	25100 55,300	*14750 *32,600	*14750 *32,600
-3.0m -10'		*11200 *24,700	7400 16,400	12400 27,300	8200 18,100	16400 36,100	10750 23,700	*23200 *51,200	15550 34,200	*30150 *66,500	25400 56,000	*23200 *51,200	*23200 *51,200
-4.6m -15'		*13000 *28,700	9050 20,000			*16100 *35,500	11100 24,500	*20550 *45,300	15850 34,900	*26200 *57,800	26000 57,300	*33300 *73,400	*33300 *73,400
-6.1m -20'		*12400 *27,300	*12400 *27,300					*15400 *34,000	*15400 *34,000	*20100 *44,300	*20100 *44,300		

Boom : 7.3m 23'11", Arm : 3.5m 11'6", Bucket : 2.8m<sup>3</sup> 3.66cu.yd, Shoes : 600mm 24" triple, L MODE: "OFF"

unit: kg lb

B	A	⊙ MAX		9.1m 30'		7.6m 25'		6.1m 20'		4.6m 15'		3.0m 10'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1m 30'		*6500 *14,400	*6500 *14,400										
7.6m 25'		*6300 *13,900	*6300 *13,900	*7700 *17,000	*7700 *17,000								
6.1m 20'		*6350 *14,000	*6350 *14,000	*9650 *21,300	9500 20,900	*10700 *23,600	*10700 *23,600						
4.6m 15'		*6650 *14,700	*6650 *14,700	*10250 *22,700	9200 20,200	*11900 *26,200	*11900 *26,200	*14550 *32,100	*14550 *32,100				
3.0m 10'		*7150 *15,800	6350 14,000	*11000 *24,200	8800 19,400	*13200 *29,100	12150 26,800	*16900 *37,200	*16900 *37,200	*24200 *53,300	*24200 *53,300		
1.5m 5'		*7950 *17,600	6150 13,600	*11600 *25,600	8400 18,500	*14300 *31,500	11500 25,300	*18700 *41,300	16500 36,300	*20750 *45,800	*20750 *45,800		
0m 0'		9200 20,300	6300 13,900	*11950 *26,400	8100 17,900	*14950 *33,000	11000 24,200	*19600 *43,200	15700 34,700	*21300 *47,000	*21300 *47,000		
-1.5m -5'		*10200 *22,400	6800 15,000	*11800 *26,000	7950 17,500	*14900 *32,900	10700 23,600	*19450 *42,900	15400 34,000	*26400 *58,200	25100 55,400	*14350 *31,700	*14350 *31,700
-3.0m -10'		*10350 *22,900	7800 17,200	*10700 *23,600	8000 17,600	*14100 *31,000	10700 23,600	*18250 *40,300	15450 34,000	*24150 *53,300	*24150 *53,300	*21900 *48,300	*21900 *48,300
-4.6m -15'		*10350 *22,800	9800 21,600			*11850 *26,100	11000 24,200	*15750 *34,700	*15750 *34,700	*20500 *45,200	*20500 *45,200	*26950 *59,400	*26950 *59,400
-6.1m -20'		*9500 *20,900	*9500 *20,900					*10800 *23,800	*10800 *23,800	*14500 *32,000	*14500 *32,000		

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard NO. J/ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.





Transportation specifications (length x height x width)

### Backhoe

Specs shown include the following equipment:  
PC600-8 : Boom **7660 mm** 25'2", Arm **3500 mm** 11'6",  
Bucket **2.7 m³** 3.53 yd³, Shoes **600 mm** 24" triple grouser

#### 3 Kits Transportation

**Work equipment assembly (Backhoe)**  
Weight : 12.2 t 13.5 U.S.ton

**Boom**  
  
4.8t : 7920 x 2040 x 1190  
5.3U.S.ton : 26'0" x 6'8" x 3'11"

**Arm**  
  
3.3t : 4870 x 1210 x 480  
3.6U.S.ton : 16'0" x 4'0" x 1'7"

**Bucket**  
  
2.4t : 2150 x 1780 x 1780  
2.6U.S.ton : 7'1" x 5'10" x 5'10"

**Boom cylinder & Arm cylinder**  
  
Total 1.7 t 1.9 U.S.ton

#### 4 Kits Transportation

**Work equipment assembly (Backhoe)**  
Weight : 12.2 t 13.5 U.S.ton

**Boom**  
  
4.8t : 7920 x 2040 x 1190  
5.3U.S.ton : 26'0" x 6'8" x 3'11"

**Arm**  
  
3.3t : 4870 x 1210 x 480  
3.6U.S.ton : 16'0" x 4'0" x 1'7"

**Bucket**  
  
2.4t : 2150 x 1780 x 1780  
2.6U.S.ton : 7'1" x 5'10" x 5'10"

**Boom cylinder & Arm cylinder**  
  
Total 1.7 t 1.9 U.S.ton

### Loading Shovel

Specs shown include the following equipment:  
PC600-8 : Boom **4000 mm** 13'1", Arm **3000 mm** 9'10",  
Bucket **4.0 m³** 5.2 yd³, Shoes **600 mm** 24" double grouser

#### 3 Kits Transportation

**Work equipment assembly (Loading shovel)**  
Width : 2090 6'10"  
Weight : 16.2t 17.9U.S.ton

**Base machine**

PC600-8 6270 20'7"  
PC600LC-8 6440 21'2"  
Width : 3195 10'6"  
Weight : PC600-8 34.1t 37.6U.S.ton  
PC600LC-8 35.1t 38.7U.S.ton

**Upper structure**

Width : 3195 10'6"  
Weight : 17.8t 19.6U.S.ton

**Undercarriage**

PC600-8 5340 17'6"  
PC600LC-8 5690 18'8"  
Weight : PC600-8 16.3t [8.15t x 2] 18U.S.ton [9U.S.ton x 2]  
PC600LC-8 17.3t [8.65t x 2] 19.1U.S.ton [9.5U.S.ton x 2]

**Base machine**

PC600-8 6270 20'7"  
PC600LC-8 6440 21'2"  
Width : 3195 10'6"  
Weight : PC600-8 34.1t 37.6U.S.ton  
PC600LC-8 35.1t 38.7U.S.ton

**Others**  
Weight : 11.0t 12.1U.S.ton

Weight : 10.75t 11.8U.S.ton

**Others**  
Weight : 11.0t 12.1U.S.ton

Weight : 10.75t 11.8U.S.ton

**Others**  
Weight : 11.0t 12.1U.S.ton

Weight : 10.75t 11.8U.S.ton



## 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, 50 amp, 24 V
- Batteries, 170 Ah, 2 x 12 V
- Starting motors, 11kW
- Working lights 2 (boom and RH)
- Auto decelerator

### UNDERCARRIAGE:

- 600 mm 24" triple grouser
- 8 track/3 carrier rollers (each side)
- 9 track/3 carrier rollers (each side)(LC)
- Hydraulic track adjusters (each side)
- Variable track gauge
- Sealed track

### GUARDS AND COVERS:

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

### OPERATOR ENVIRONMENT:

- Damper mount, all-weather, sound-suppressed cab with tinted safety glass windows, lockable door, intermittent window wiper and washer, floor mat, 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
- Seat, fully adjustable with suspension
- Cab with pull-up type front window
- Rear view mirror (RH)

### HYDRAULIC CONTROLS:

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

### 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
- Corrosion resister
- Counterweight, **10750 kg** 23,700 lb
- Horn, electric
- Marks and plates, English
- Paint, Komatsu standard
- Large handrails
- One-touch engine oil drainage
- PM tune-up service connector
- Travel alarm
- Rear reflector
- Anti-slip plates



## OPTIONAL EQUIPMENT

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>● Alternator, 75 Amp, 24 V</li> <li>● Arms (Backhoe):<br/>PC600-8:<br/>—<b>3500 mm</b> 11'6" arm assembly<br/>—<b>3500 mm</b> 11'6" HD arm assembly<br/>—<b>4300 mm</b> 14'1" arm assembly<br/>—<b>5200 mm</b> 17'1" arm assembly<br/>—<b>2900 mm</b> 9'6" SE arm assembly</li> <li>● Auto air conditioner</li> <li>● Automatic greasing</li> <li>● Booms (Backhoe):<br/>—<b>7660 mm</b> 25'2" boom assembly<br/>—<b>7300 mm</b> 23'11" HD boom assembly<br/>—<b>6600 mm</b> 21'8" SE boom assembly</li> <li>● Cab front guard (ISO 10262 level 2)</li> </ul> | <ul style="list-style-type: none"> <li>● Cab with fixed front window</li> <li>● Catwalk</li> <li>● Counterweight <b>13500kg</b> 29,800 lb</li> <li>● 12V electric supply</li> <li>● Fire extinguisher</li> <li>● Full length track guard</li> <li>● General tool kit</li> <li>● Grease gun, electric operated, with indicator</li> <li>● Interconnected horn and warning light</li> <li>● Large-capacity batteries</li> <li>● Loading shovel attachments</li> <li>● Lower wiper</li> <li>● OPG top guard</li> <li>● Radio AM/FM</li> <li>● Rain visor</li> </ul> | <ul style="list-style-type: none"> <li>● Rear view mirror (LH)</li> <li>● Seat belt <b>78 mm</b> 3", <b>50 mm</b> 2"</li> <li>● Shoes:<br/>—<b>600 mm</b> 24" double grouser for backhoe<br/>—<b>750 mm</b> 29.5" triple grouser for backhoe<br/>—<b>900 mm</b> 35.5" triple grouser for PC600LC backhoe only</li> <li>● Spare parts for first service</li> <li>● Step light with timer</li> <li>● Sun visor</li> <li>● Track frame undercover (center)</li> <li>● Vandalism protection locks</li> <li>● Working lights 2 (on cab)</li> </ul> |
|--|--|---|

www.Komatsu.com

Printed in Japan 200609 IP.As(10)

# KOMATSU®

CEN00050-01

Materials and specifications are subject to change without notice.  
**KOMATSU** is a trademark of Komatsu Ltd. Japan.