



PC600/600LC-8R1 BACKHOE
PC600/600LC-8R1 LOADING SHOVEL

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

OPERATING WEIGHT
Backhoe:59200–61900 kg
130,510–136,460 lb
Loading shovel:63200–64200 kg
139,330–141,540 lb

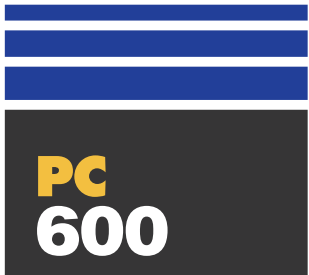


Photo may include optional equipment.

HYDRAULIC EXCAVATOR

WALK-AROUND

Productivity Features

- **High Work Equipment Speed**
Increased arm dumping speed and arm speed of compound operation by arm regeneration circuit realize efficient loading operation.
- **Lifting Mode**
The lifting mode increases the lifting force by 17%.
- **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.
- **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.
- **Removed Water and Contamination in Fuel**
 - Fuel pre-filter with water separator
 - High efficiency fuel filter
 - Water separator
- **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 pages 6, 7.

Maintenance Features

- **Easy Cleaning of Cooling unit**
Fan reverse-rotation function facilitates clogged radiator cleaning.
- **Easy Detachable Radiator and Oil Cooler**
- **Easy Checking and Maintenance of Engine**
- **Work on Machine Anti-slip Plates for Safe**
- **Large Handrail, Step and Catwalk**
provide easy access to the engine and hydraulic equipment.

See page 11.

Ecology and Economy Features

- **High Power Komatsu SAA6D140E-5 Engine**
A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D140E-5 provides **320 kW** 429 HP.
- **Economy mode Four-level Setting**
Enables operator to select the appropriate Economy mode level to match production requirement with lowest fuel consumption.
- **Low Ambient Noise**
 - Electronically controlled variable speed fan drive
 - Large hybrid fan
 - Glasswool-furnished low-noise muffler and noise reducing cover around the muffler
- **Mode Selection**
 - Economy mode improves fuel consumption.
 - Eco-gauge for energy-saving operations
 - Extended idling caution for fuel conservation
 - Auto deceleration and auto idling system reduce fuel consumption.

See pages 4, 5.



Photo may include optional equipment.

Working Environment

- **Large Comfortable Cab**
 - Low-noise cab
 - Low vibration with cab damper mounting
 - Highly pressurized cab with optional air conditioner
 - Operator seat and console with armrest that enables operations in the appropriate operational posture.
 - OPG top guard level 2 (by ISO 10262 standard) capable with optional bolt-on top guard

See pages 8, 9.

Large TFT LCD Monitor

- Easy-to-see and use 7" large multi-function color monitor
- Can be displayed in 12 languages for global support.

TFT : Thin Film Transistor
LCD : Liquid Crystal Display

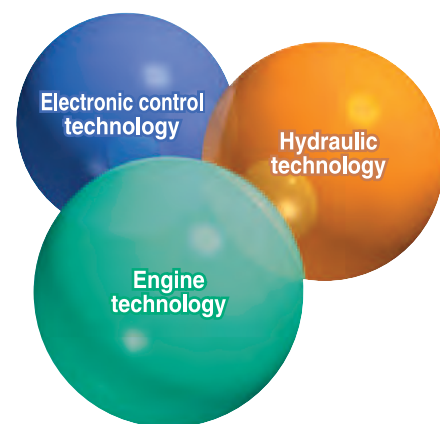
See page 10.

HORSEPOWER
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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.

High Power Komatsu SAA6D140E Engine

Powerful turbocharged and air-to-air aftercooled Komatsu SAA6D140E-5 engine provides 320 kW 429 HP. This Komatsu SAA6D140E engine actualizes high-power to low fuel consumption with the optimum fuel injection by electronic heavy duty HPCR (High Pressure Common Rail) 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.

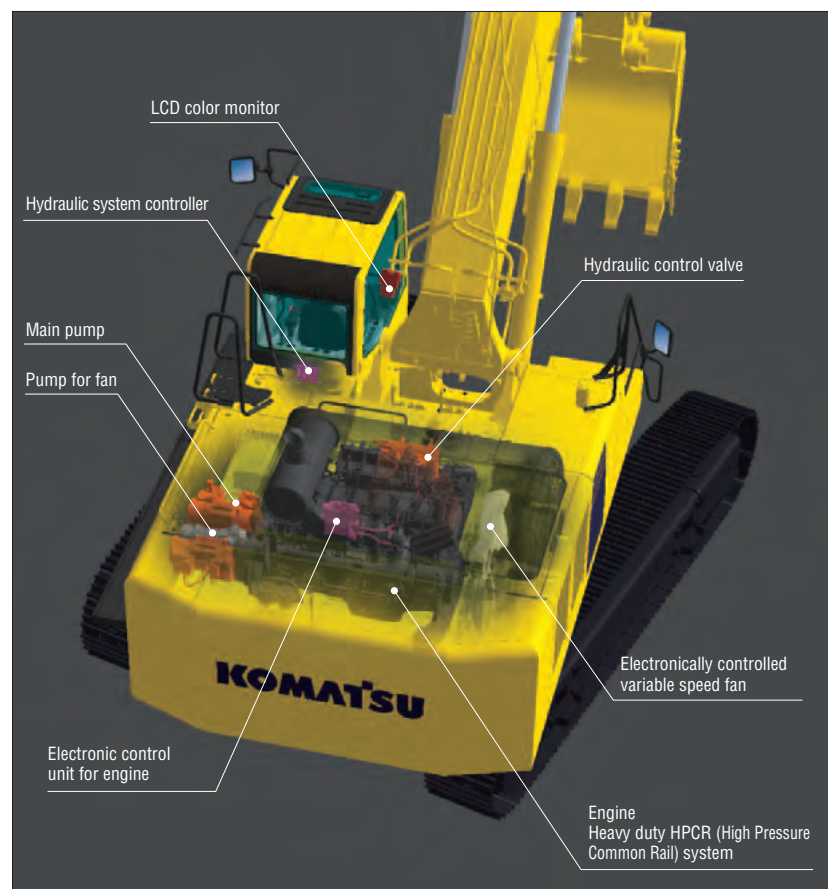
Lower and Economical Fuel Consumption Using Economy Mode

Enables operator to set the Economy mode to four levels according to working conditions so that production requirement is achieved at the 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. Operation in the green range allows reduction of CO₂ emission and fuel consumption.



Eco-gauge

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

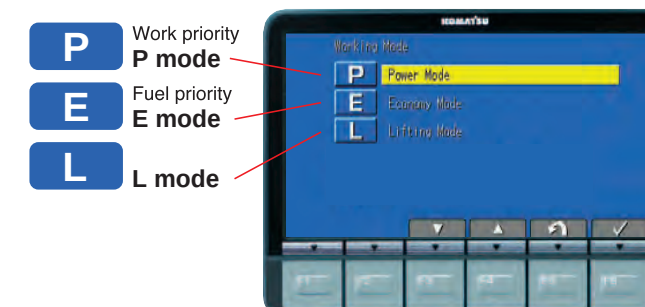
Auto deceleration system is equipped to reduce fuel consumption and operating noise. Also, engine idling speed can be reduced on the monitor with the auto idling system.

Working Modes Selectable

P and E 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 work 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.

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.

Large Digging Force

With the addition of one-touch Power Max. function digging force is further increased. (8 seconds of operation)

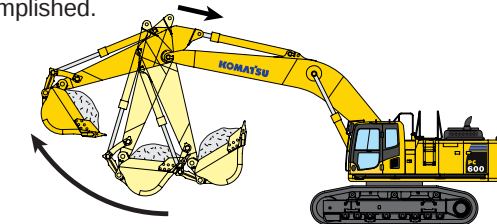
Maximum arm crowd force (ISO):
228 kN (23.3 tonf) ➔ **246 kN (25.1 tonf)** (with Power Max.) **8% UP**

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

*Measured with Power Max function, 3500 mm 11'6" arm and ISO rating

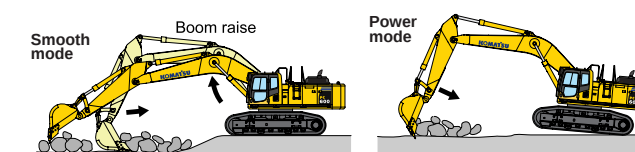
Work Equipment Speed Increased

Work equipment speed and arm speed of compound operation becomes greater with arm quick return circuit and arm regeneration circuit. Quick loading work is now accomplished.



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.



Lifting Mode

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

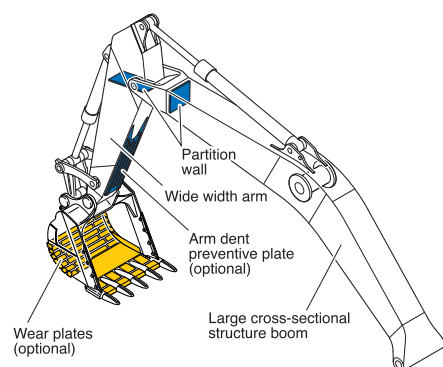


Photo may include optional equipment.

RELIABILITY FEATURES

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

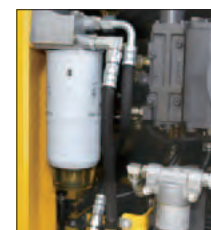
The revolving frame mount and center frame mount on the swing circle are no welding structure so that force is transmitted directly to the thick plate of the frame without passing through any welding.

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.



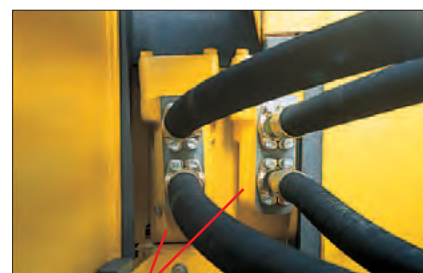
Fuel pre-filter



Fuel filter

High-pressure In-line Filtration

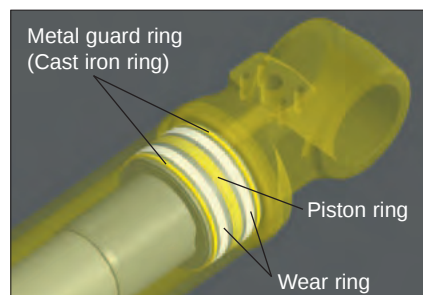
The PC600-8R1 has the most extensive filtration system available, providing in-line filters as standard equipment. An in-line filter in the outlet port of each main hydraulic pump reduces failures caused by contamination.



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.

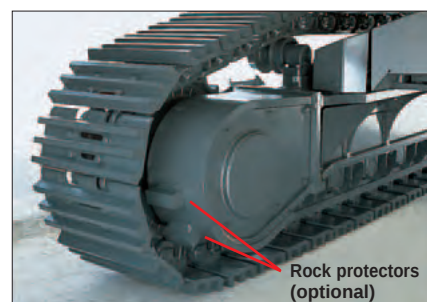
Water Separator

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

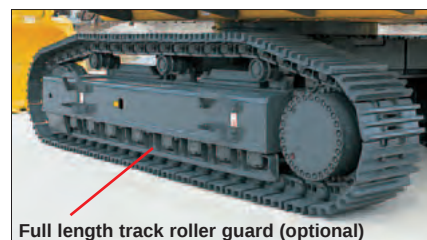


Sturdy Undercarriage

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 piping against damage from rocks. (Rock protectors are optional.)



Strengthened Revolving Frame Underguard

Guards the machine piping 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.

Circuit Breaker

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



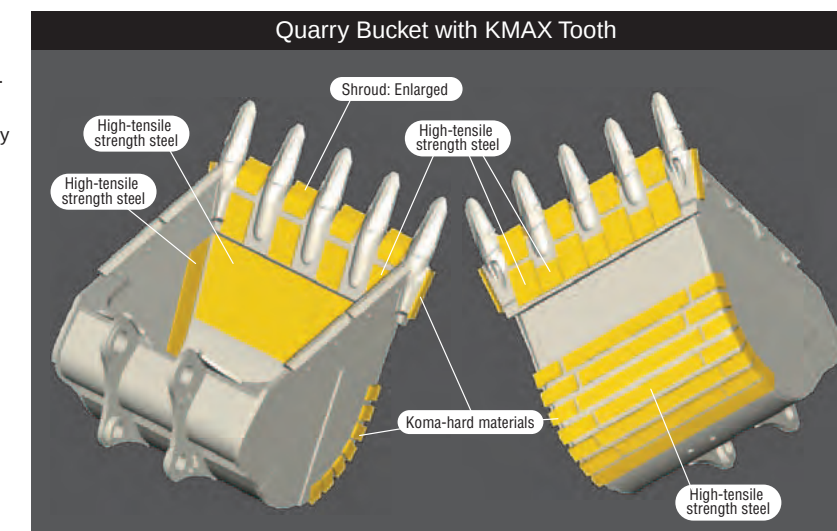
Strengthened Quarry Bucket Provides Outstanding Wear-resistance (optional)

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/mm² 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

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



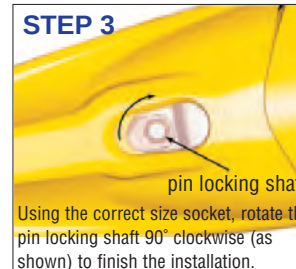
STEP 1



STEP 2



STEP 3



STEP 4



Photo may include optional equipment.



WORKING ENVIRONMENT



Photo may include optional equipment.

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 air conditioner 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 position of the armrest and the console. The reclining 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 air conditioner, air filter and a higher internal air pressure (+6.0 mm Aq +0.2"Aq) prevent external dust from entering the cab.

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.



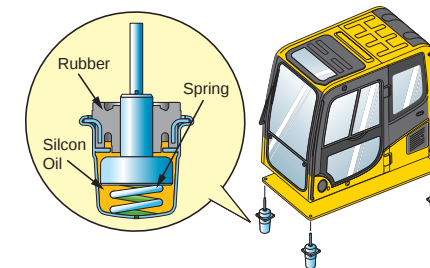
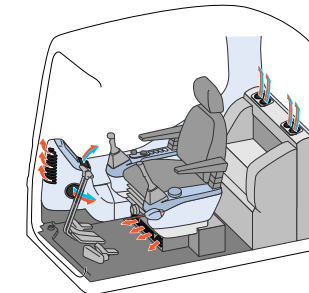
Seat sliding amount: 340 mm 13.4"

Low Vibration with Cab Damper Mounting

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

Automatic Air Conditioner (optional)

Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD. 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. Defroster function keeps front glass clear.



Cab Equipments



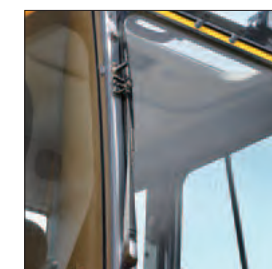
Skylight



Sliding Window and Large Side Mirror



Defroster (optional)



Cab Frame Mounted Wiper

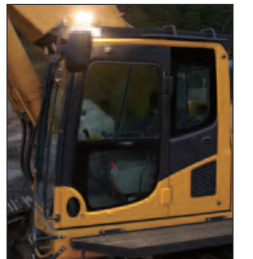


Bottle Holder and Magazine Rack

Safety Features

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.



Thermal and Fan Guards

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

Anti-slip Plates

Spiked plates on working areas provide anti-slip performance.

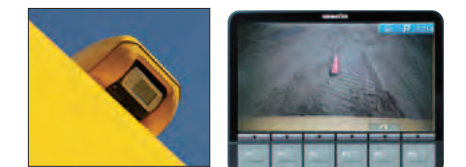
Horn Interconnected with Warning Light (optional)

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



Rear View Monitoring 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 (by ISO 10262) capable with optional bolt-on top guard.

MAINTENANCE FEATURES

Large LCD Color Monitor

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 TFT liquid crystal display 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%.

EMMS
(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.



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
(Eco-white element)

- 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 and grease gun with indicator.



Indicator Grease gun

Wide Catwalk

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 Cooling Unit

Reverse-rotation function of the hydraulic driven fan simplifies cleaning out 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.



Photo may include optional equipment.

SPECIFICATIONS



ENGINE

Model Komatsu SAA6D140E-5
Type Water-cooled, 4-cycle, direct injection
Aspiration Turbocharged, aftercooled
Number of cylinders 6
Bore 140 mm 5.51"
Stroke 165 mm 6.50"
Piston displacement 15.24 ltr 930 in³
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

*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/cm² 4,620 psi
Loading shovel 29.4 MPa 300 kgf/cm² 4,270 psi
Travel circuit 34.3 MPa 350 kgf/cm² 4,980 psi
Swing circuit 25.5 MPa 260 kgf/cm² 3,700 psi
Pilot circuit 2.9 MPa 30 kgf/cm² 430 psi

Hydraulic cylinders:
(Number of cylinders—bore x stroke x rod diameter)
Boom . . . 2 – 185 mm x 1725 mm x 120 mm 7.3" x 67.9" x 4.7"
Arm
Std. . . . 1 – 200 mm x 2045 mm x 140 mm 7.9" x 80.5" x 5.5"
SE 1 – 200 mm x 2045 mm x 140 mm 7.9" x 80.5" x 5.5"
Bucket
Std. . . . 1 – 185 mm x 1425 mm x 130 mm 7.3" x 56.1" x 5.1"
SE 1 – 185 mm x 1610 mm x 130 mm 7.3" x 63.4" x 5.1"



DRIVES AND BRAKES

Steering control Two levers with pedals
Drive method Hydrostatic
Travel motor Axial piston motor, in-shoe design
Reduction system Planetary gear triple reduction
Maximum drawbar pull 415kN 42300 kgf 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 Hydrostatic
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 (PC600-8R1)
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 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 m³ 3.53 yd³ 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 24"	59200 kg 130,510 lb	104.9 kPa 1.07 kgf/cm² 15.2 psi	60200 kg 132,720 lb	99.0 kPa 1.01 kgf/cm² 14.4 psi
750 mm 29.5"	60000 kg 132,280 lb	85.3 kPa 0.87 kgf/cm² 12.4 psi	61000 kg 134,480 lb	80.4 kPa 0.82 kgf/cm² 11.7 psi
900 mm 35.5"	—	—	61900 kg 136,460 lb	67.7 kPa 0.69 kgf/cm² 9.8 psi

LOADING SHOVEL
Operating weight, including 4000 mm 13'1" boom, 3000 mm 9'10" arm, 4.0 m³ 5.2 yd³ heaped bucket, operator, lubricants, coolant, full fuel tank and standard equipment

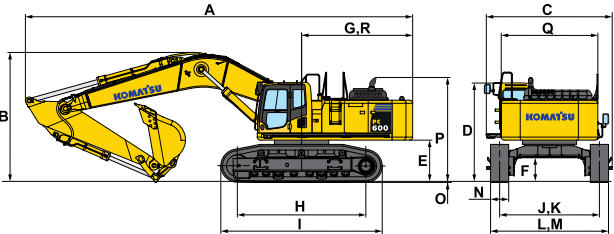
Shoes	PC600-8R1		PC600LC-8R1	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
Double grouser 600 mm 24"	63200 kg 139,330 lb	111.8 kPa 1.14 kgf/cm² 16.2 psi	64200 kg 141,540 lb	105.9 kPa 1.08 kgf/cm² 15.4 psi



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	12960 mm 42'6"	12880 mm 42'3"	12585 mm 41'3"	12590 mm 41'4"	11980 mm 39'4"
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"

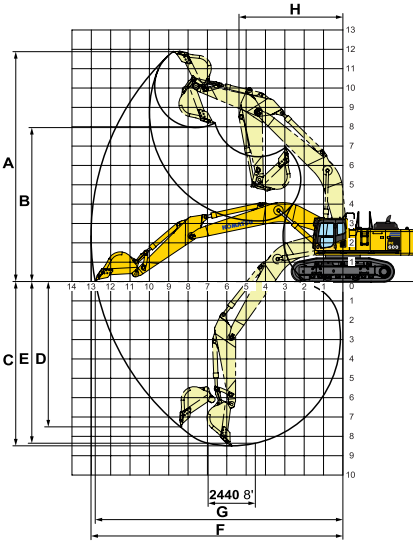
		PC600-8R1	PC600LC-8R1
C	Overall width	4210 mm 13'10"	4210 mm 13'10"
D	Overall height (to top of cab)	3290 mm 10'10"	3290 mm 10'10"
E	Ground clearance, counterweight	1365 mm 4'6"	1365 mm 4'6"
F	Ground clearance (minimum)	780 mm 2'7"	780 mm 2'7"
G	Tail swing radius	3950 mm 13'0"	3950 mm 13'0"
H	Track length 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	3170 mm 10'5"	3170 mm 10'5"
R	Distance, swing center to rear end	3825 mm 12'7"	3825 mm 12'7"



WORKING RANGE

Unit: mm ft in

		PC600/600LC-8R1					
		STD			HD	SE	
	Boom	7660	25'2"	7660	25'2"	7660	25'2"
	Arm	3500	11'6"	4300	14'1"	5200	17'1"
A	Max. digging height	11880	39'0"	12180	40'0"	12560	41'3"
B	Max. dumping height	7960	26'1"	8245	27'1"	8600	28'3"
C	Max. digging depth	8490	27'10"	9275	30'5"	10225	33'7"
D	Max. vertical wall digging depth	7510	24'8"	8375	27'6"	9275	30'5"
E	Max. digging depth of cut for 8' level	8360	27'5"	9175	30'1"	10125	33'3"
F	Max. digging reach	13020	42'9"	13740	45'1"	14630	48'0"
G	Max. digging reach at ground level	12800	42'0"	13555	44'6"	14435	47'4"
H	Min. swing radius	5370	17'7"	5385	17'8"	5510	18'1"
Bucket digging force (SAE)		264 kN 26900 kgf 59,300 lb					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	



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
- Auto decelerator and auto idling system
- Batteries, 170 Ah, 2 x 12 V
- Starting motors, 11kW
- Working lights 2 (boom and right front)

UNDERCARRIAGE:

- Hydraulic track adjusters (each side)
- Sealed track
- 8 track/3 carrier rollers (each side)
- 9 track/3 carrier rollers (each side)(LC)
- **600 mm** 24" triple grouser
- 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
- Seat, fully adjustable with suspension
- Rear view mirror (RH)

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 (OLSS) 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:

- Anti-slip plates
- Automatic swing holding brake
- Catwalk
- Counterweight, **10750 kg** 23,700 lb
- Horn, electric
- Large handrails
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- PM tune-up service connector
- Rear reflector
- Travel alarm
- Water separator

- Alternator, 90 amp, 24 V
- Arms (Backhoe):
 - 3500 mm** 11'6" arm assembly
 - 3500 mm** 11'6" HD arm assembly
 - 4300 mm** 14'1" arm assembly
 - 5200 mm** 17'1" arm assembly
 - 2900 mm** 9'6" SE arm assembly
- Automatic air conditioner
- Booms (Backhoe):
 - 7660 mm** 25'2" boom assembly
 - 7300 mm** 23'11" HD boom assembly
 - 6600 mm** 21'8" SE boom assembly
- Cab front guard (ISO 10262 level 2)
- Cab with fixed front window
- Counterweight **13500kg** 29,800 lb

- Electric pump, grease gun with indicator
- 12V electric supply
- Fire extinguisher
- Full length track roller guard
- General tool kit
- Interconnected horn and warning light
- Large-capacity batteries
- Loading shovel attachments
- Lower wiper
- OPG top guard
- Radio AM/FM
- Rain visor
- Rear view mirror (LH)
- Rear view monitoring system
- Rock protectors (undercarriage)

- Seat belt **78 mm** 3", **50 mm** 2"
- Service valve
- Shoes:
 - 600 mm** 24" double grouser for backhoe
 - 750 mm** 29.5" triple grouser for backhoe
 - 900 mm** 35.5" triple grouser for PC600LC 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)



