KOMATSU

HYDRAULIC EXCAVATOR

PC600LC-8E0

HORSEPOWER
Gross: 323 kW **433 hp** @ 1,800 rpm
Net: 320 kW **429 hp** @ 1,800 rpm

OPERATING WEIGHT
Backhoe:
59,200-61,900 kg 130,510-136,460 lb
Loading shovel:
63,200-64,200 kg 139,330-141,540 lb

ORIGIN / JAPAN KLTD

Photo may include optional equipment.

WALK-AROUND

*Photo may include optional equipment.

»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 4.

»Excellent reliability and durability

•Strengthened boom and arm

•KMAX bucket offers superior wear-resistance for specific use in quarry.

•Fuel pre-filter with water separator equipped and **high efficiency fuel filter** 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 pages 6 and 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 8.

»Ecology and economy features

•Low emission engine
»A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D140E-5 provides **320 kW** 429 hp. This engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

•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
»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 X and X.

»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.

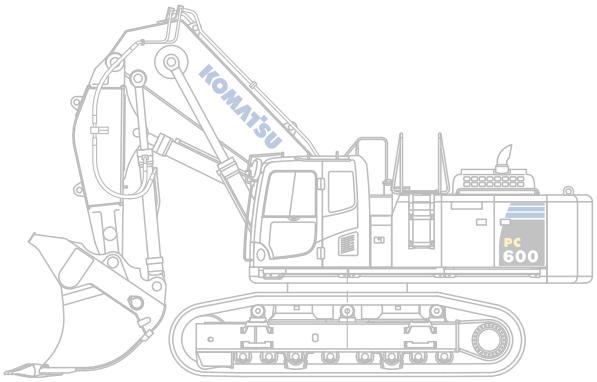
See pages 9 and 10.

»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 11.



PRODUCTIVITY & ECOLOGY FEATURES

»Komatsu technology

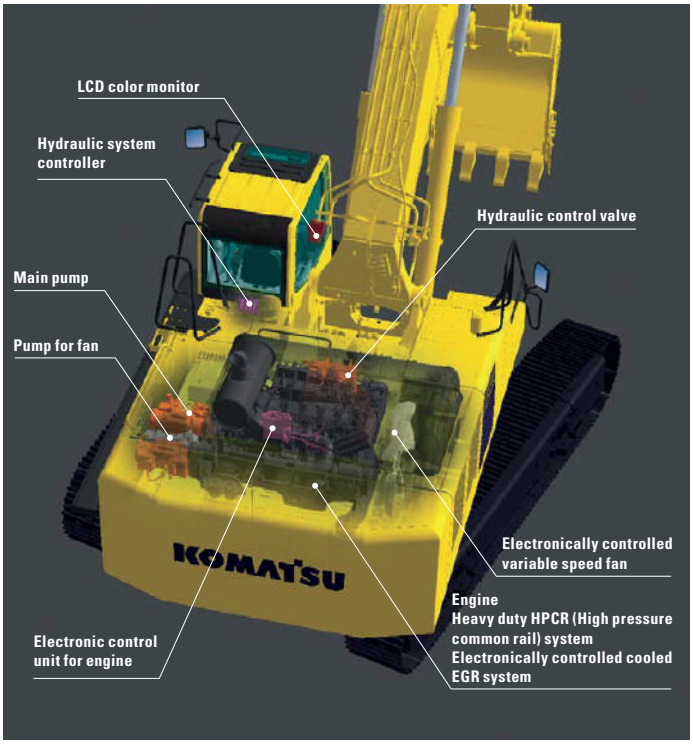
»Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house.
With this "Komatsu technology," and adding customer feedback, Komatsu is achieving great advancements in technology.
To achieve both, high levels of productivity and economical performance, Komatsu has developed the main components with a total control system.
The result is a new generation of high performance and environment friendly excavators.

»Low emission engine

»Komatsu SAA6D140E-5 engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

»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 CO2 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

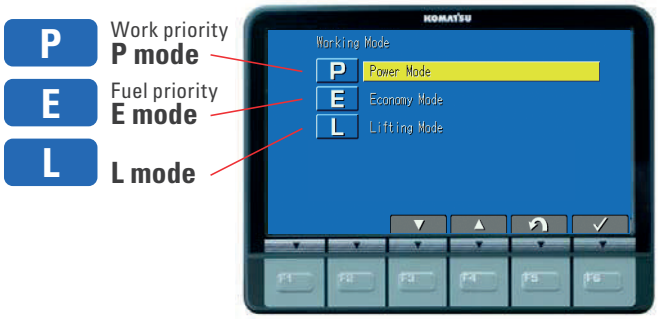
»Auto deceleration system is equipped to reduce fuel consumption and operating noise. Also, engine idling speed can be set at a lower speed on monitor with auto idling system.

»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 operation on the monitor panel depending on workloads.

»Lifting mode

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

»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 t) ➡ **246 kN** (25.1 t) **8% UP**

(With Power Max.)

Maximum bucket digging force (ISO)

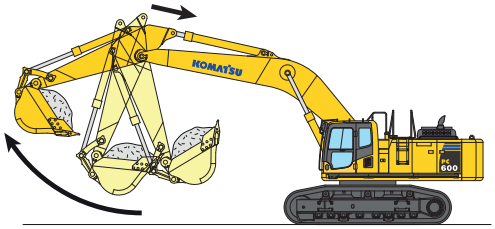
294 kN (30.0 t) ➡ **317 kN** (32.3 t) **8% UP**

(With Power Max.)

*Measured with Power Max function, 3,500 mm 11'6" arm and ISO rating.

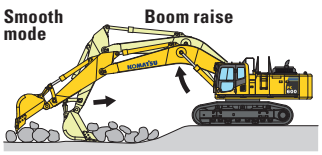
»Work equipment speed increased

»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.



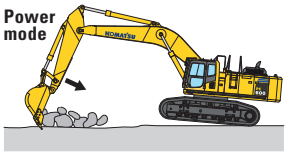
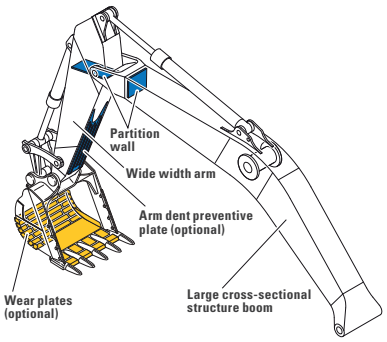


*Photo may include optional equipment.

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)

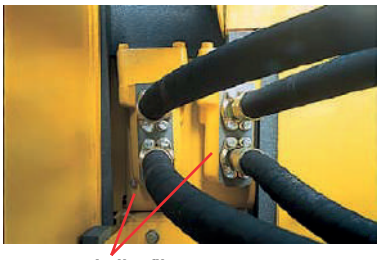
»Removes water and contaminants from fuel to enhance the fuel system reliability.

»High efficiency fuel filter

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

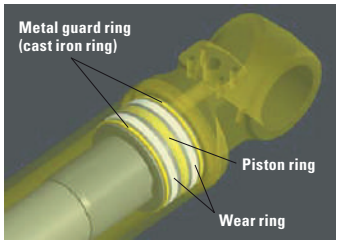
»High-pressure in-line filtration

»The PC600-8E0 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.



»Metal guard rings

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

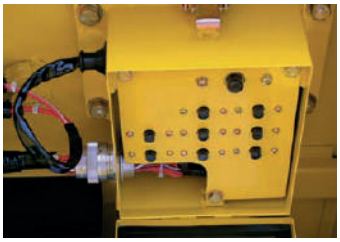


»Heat-resistant wiring

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

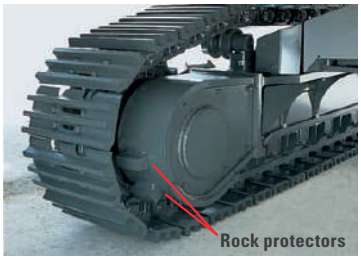
»Circuit breaker

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

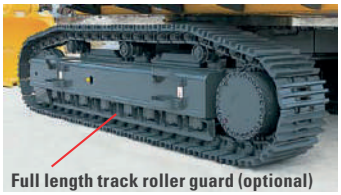


»Sturdy undercarriage

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



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

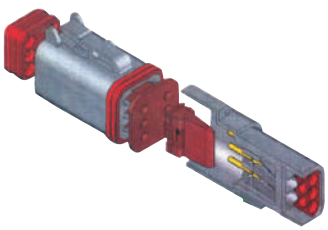


»Strengthened revolving frame underguard

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

»DT-type connectors

»DT-type connectors seal tight and have higher reliability.

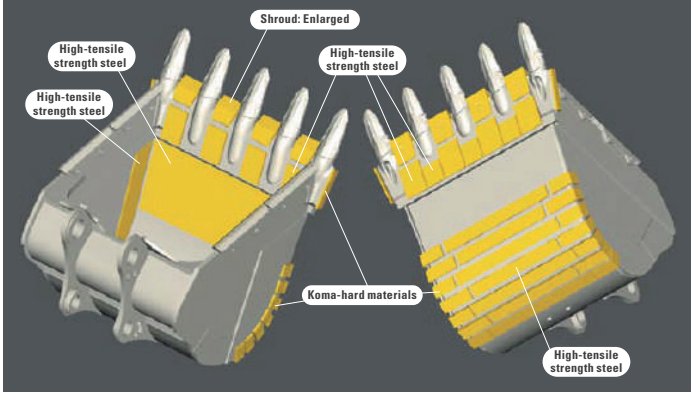


»Strengthened quarry bucket provides outstanding wear-resistance (optional)

»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 (180 kgf/mm² class). Features high wear-resistance and little quality change by the heat generated during rock loading, maintaining the hardness for a long term.

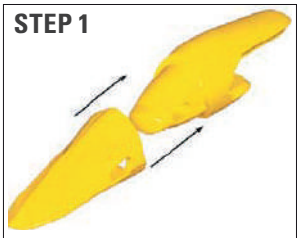
Quarry bucket with KMAX tooth



»KMAX tooth for quarry bucket

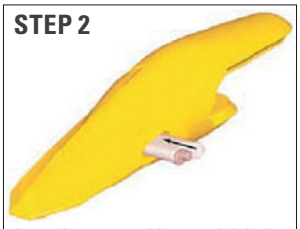
- Unique bucket tooth shape superior digging performance.
- Long-term high sharpness.
- Great penetration performance.
- Hammerless, safe, and easy tooth replacement (tooth replacement time: halves the conventional machine).

STEP 1



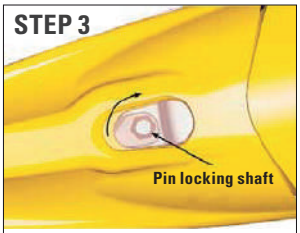
Observing proper safety procedures, place tooth onto adapter (as shown).

STEP 2



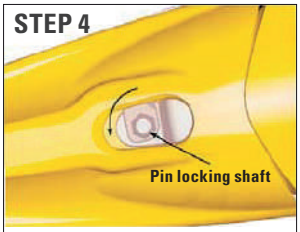
Insert fastener, making sure it is in the unlocked position (as shown).

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.

*Photo may include optional equipment.

MAINTENANCE FEATURES

»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

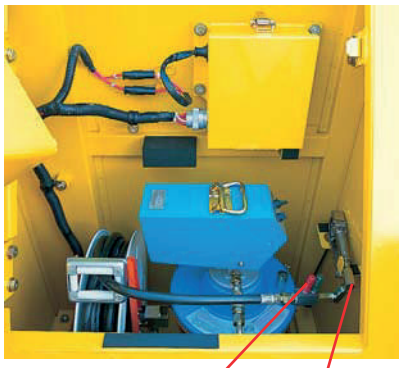
»Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

Engine oil & Engine oil filter every	500	hours
Hydraulic oil every	5,000	hours
Hydraulic oil filter every	1,000	hours

Hydraulic oil filter (Eco-white element)

»Electric pump, grease gun with indicator (optional)

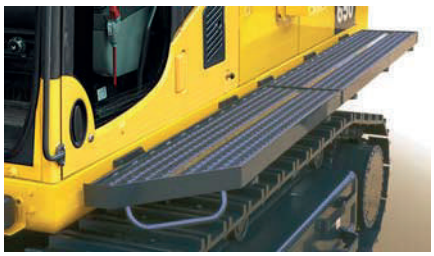
»Greasing is made easy with the electric pump, grease gun with indicator.



Indicator Grease gun

»Wide catwalk

»Easier, safer operator cab access and maintenance checks.



»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 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.

*Photo may include optional equipment.

WORKING ENVIRONMENT

*Photo may include optional equipment.

*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 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 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

»PC600-8E0 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.

»Cab equipments

Skylight.

Sliding window and large side mirror.

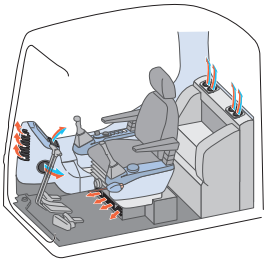
Defroster (optional).

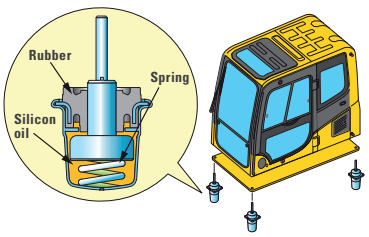
Cab frame mounted wiper.

Bottle holder and magazine rack.

»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.

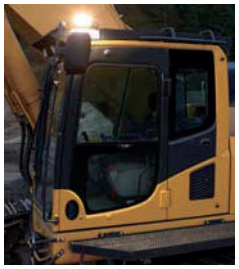




Safety features

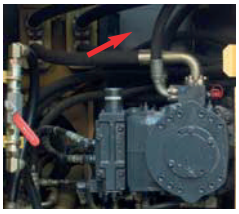
»Step light with timer (optional)

»Provides light for about 1 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

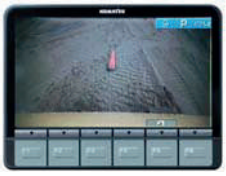
»Spiked plates on working areas provide anti-slip performance.

»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.

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. Simple and easy to operate switches. 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.

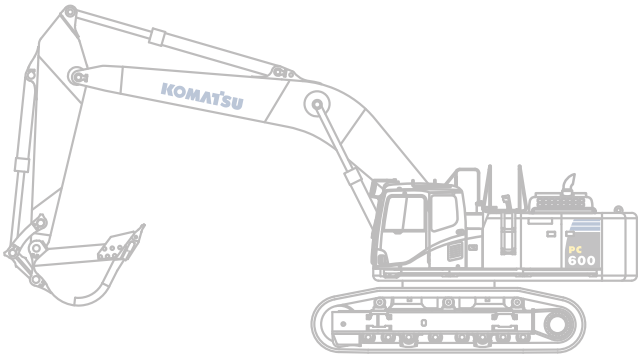
Basic operation switches

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.

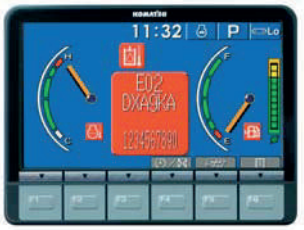
Working mode	Application	Advantage
P (P0,P1)	Power mode	• Maximum production/power. • Fast cycle times.
E (E0,E1,E2,E3)	Economy mode	• Good cycle times. • Good fuel economy.
L	Lifting mode	• Hydraulic pressure is increased 17%.



»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 of oil and filters on LCD when the replacement interval is reached.

• Trouble data memory function

Monitor stores abnormalities for effective troubleshooting.

SPECIFICATIONS

ENGINE

MODEL	KomatsuSAA6D140E-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^3.
GOVERNOR	All-speed, electronic.
HORSEPOWER:	
SAEJ1995	Gross 323 kW 433 hp.
ISO 9249/SAE J1349*	Net 320 kW 429 hp.
RATED RPM	1,800 rpm.
FAN DRIVE TYPE	Hydraulic.

*Net horsepower at the maximum speed of radiator cooling fan is 288 kW 386 hp EPA Tier 3 and EU stage 3A emissions certified.

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^2 4,620 psi.
LOADING SHOVEL	29.4 MPa 300 kgf/cm^2 4,270 psi.
TRAVEL CIRCUIT	34.3 MPa 350 kgf/cm^2 4,980 psi.
SWING CIRCUIT	25.5 MPa 260 kgf/cm^2 3,700 psi.
PILOT CIRCUIT	2.9 MPa 30 kgf/cm^2 430 psi.
HYDRAULIC CYLINDERS:	
(NUMBER OF CYLINDERS	
BORE X STROKE X ROD DIAMETER)	
BOOM	2-185 mm x 1,725 mm x 120 mm 7.3" x 67.9" x 4.7".
ARM:	
STD	1-200 mm x 2,045 mm x 140 mm 7.9" x 80.5" x 5.5".
SE	1-200 mm x 2,045 mm x 140 mm 7.9" x 80.5" x 5.5".
BUCKET:	
STD	1-185 mm x 1,425 mm x 130 mm 7.3" x 56.1" x 5.1".
SE	1-185 mm x 1,610 mm x 130 mm 7.3" x 63.4" x 5.1".

DRIVES AND BRAKES

STEERING CONTROL	2 levers with pedals.
DRIVE METHOD	Hydrostatic.
TRAVEL MOTOR	Axial piston motor, in-shoe design.
REDUCTION SYSTEM	Planetary triple reduction.
MAXIMUM DRAWBAR PULL	415 kN 42,300 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	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 (PC600-8E0). 52 each side (PC600LC-8E0).
Nº OF CARRIER ROLLERS	3 each side.
Nº OF TRACK ROLLERS	8 each side (PC600-8E0). 9 each side (PC600LC-8E0).

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 7,660 mm 25'2" boom; 3,500 mm 11'6" arm; SAE heaped 2.7 m^3 3.53 yd^3 backhoe bucket; operator; lubricant; coolant; full fuel tank; and the standard equipment.

Shoes	PC600-8E0		PC600LC-8E0	
	Operating weight	Ground pressure	Operating weight	Ground pressure
Triple grouser 600 mm 24"	**59,200 kg** 130,510 lb	**104.9 kPa** 1.07 kgf/cm^2 15.2 psi	**60,200 kg** 132,720 lb	**99.0 kPa** 1.01 kgf/cm^2 14.4 psi
750 mm 29.5"	**60,000 kg** 132,280 lb	**85.3 kPa** 0.87 kgf/cm^2 12.4 psi	**61,000 kg** 134,480 lb	**80.4 kPa** 0.82 kgf/cm^2 11.7 psi
900 mm 35.5"	—	—	**61,900 kg** 136,460 lb	**67.7 kPa** 0.69 kgf/cm^2 9.8 psi

LOADING SHOVEL

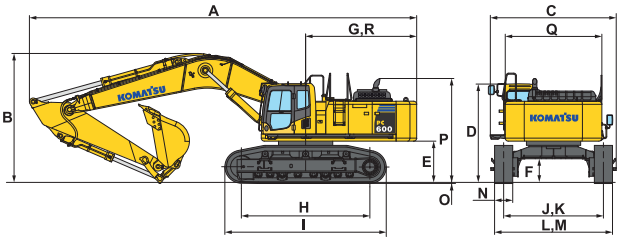
Operating weight, including 4,000 mm 13'1" boom; 3,000 mm 9'10" arm; 4.0 m^3 5.2 yd^3 heaped bucket; operator; lubricants; coolant; full fuel tank and standard equipment.

Shoes	PC600-8E0		PC600LC-8E0	
	Operating weight	Ground pressure	Operating weight	Ground pressure
Double grouser 600 mm 24"	**63,200 kg** 139,330 lb	**111.8 kPa** 1.14 kgf/cm^2 16.2 psi	**64,200 kg** 141,540 lb	**105.9 kPa** 1.08 kgf/cm^2 15.4 psi

DIMENSIONS

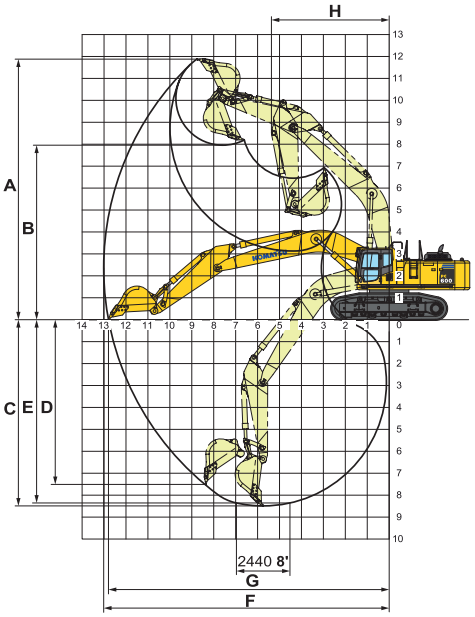
	Boom	**7,660 mm**	25'2"	**7,660 mm**	25'2"	**7,660 mm**	25'2"	**7,300 mm**	23'11"	**6,600 mm**	21'8"
	Arm	**3,500 mm**	11'6"	**4,300 mm**	14'1"	**5,200 mm**	17'1"	**3,500 mm**	11'6"	**2,900 mm**	9'6"
A	Overall length	**12,960 mm**	42'6"	**12,880 mm**	42'3"	**12,585 mm**	41'3"	**12,590 mm**	41'4"	**11,980 mm**	39'4"
B	Overall height (to top of boom)	**4,300 mm**	14'1"	**4,655 mm**	15'3"	**5,235 mm**	17'2"	**4,280 mm**	14'1"	**4,600 mm**	15'1"

		PC600-8E0	**PC600LC-8E0**
C	Overall width	**4,210 mm** 13'10"	**4,210 mm** 13'10"
D	Overall height (to top of cab)	**3,290 mm** 10'10"	**3,290 mm** 10'10"
E	Ground clearance, counterweight	**1,365 mm** 4'6"	**1,365 mm** 4'6"
F	Ground clearance (minimum)	**780 mm** 2'7"	**780 mm** 2'7"
G	Tail swing radius	**3,950 mm** 13'0"	**3,950 mm** 13'0"
H	Track length on ground	**4,250 mm** 13'11"	**4,600 mm** 15'1"
I	Track length	**5,340 mm** 17'6"	**5,690 mm** 18'8"
J	Track gauge	**2,590 mm** 8'6"	**2,590 mm** 8'6"
K	Track gauge when expanded	**3,300 mm** 10'10"	**3,300 mm** 10'10"
L	Width of crawler	**3,190 mm** 10'6"	**3,190 mm** 10'6"
M	Width of crawler when expanded	**3,900 mm** 12'10"	**3,900 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	**3,435 mm** 11'3"	**3,435 mm** 11'3"
Q	Machine cab width	**3,170 mm** 10'5"	**3,170 mm** 10'5"
R	Distance, swing center to rear end	**3,825 mm** 12'7"	**3,825 mm** 12'7"



WORKING RANGE

Unit: **mm** ft in



		PC600/600LC-8E0				
		STD			**HD**	**SE**
	Boom	**7,660** 25'2"	**7,660** 25'2"	**7,660** 25'2"	**7,300** 23'11"	**6,600** 21'8"
	Arm	**3,500** 11'6"	**4,300** 14'1"	**5,200** 17'1"	**3,500** 11'6"	**2,900** 9'6"
A	Max. digging height	**11,880** 39'0"	**12,180** 40'0"	**12,560** 41'3"	**11,475** 37'8"	**11,140** 36'7"
B	Max. dumping height	**7,960** 26'1"	**8,245** 27'1"	**8,600** 28'3"	**7,650** 25'1"	**7,210** 23'8"
C	Max. digging depth	**8,490** 27'10"	**9,275** 30'5"	**10,225** 33'7"	**8,165** 26'9"	**7,060** 23'2"
D	Max. vertical wall digging depth	**7,510** 24'8"	**8,375** 27'6"	**9,275** 30'5"	**6,660** 21'10"	**5,630** 18'6"
E	Max. digging depth of cut for 8' level	**8,360** 27'5"	**9,175** 30'1"	**10,125** 33'3"	**8,030** 26'4"	**6,910** 22'8"
F	Max. digging reach	**13,020** 42'9"	**13,740** 45'1"	**14,630** 48'0"	**12,615** 41'5"	**11,550** 37'11"
G	Max. digging reach at ground level	**12,800** 42'0"	**13,555** 44'6"	**14,435** 47'4"	**12,385** 40'8"	**11,300** 37'1"
H	Min. swing radius	**5,370** 17'7"	**5,385** 17'8"	**5,510** 18'1"	**5,090** 16'8"	**4,670** 15'4"
Bucket digging force (SAE)		**264 kN** 26,900 kgf 59,300 lb				**289 kN** 29,500 kgf 65,040 lb
Bucket digging force at Power Max. (SAE)		**285 kN** 29,100 kgf 64,150 lbf				**312 kN** 31,770 kgf 70,040 lb
Arm crowd force (SAE)		**222 kN** 22,600 kgf 49,820 lb	**194 kN** 19,800 kgf 43,650 lb	**170 kN** 17,300 kgf 38,140 lb	**222 kN** 22,600 kgf 49,820 lb	**260 kN** 26,500 kgf 58,420 lb
Arm crowd force at Power Max. (SAE)		**238 kN** 24,300 kgf 53,570 lb	**209 kN** 21,300 kgf 46,960 lb	**182 kN** 18,600 kgf 41,010 lb	**238 kN** 24,300 kgf 53,570 lb	**280 kN** 28,500 kgf 62,830 lb
Bucket digging force (ISO)		**294 kN** 30,000 kgf 66,140 lb				**336 kN** 34,300 kgf 75,620 lb
Bucket digging force at Power Max. (ISO)		**317 kN** 32,300 kgf 71,210 lb				**362 kN** 36,900 kgf 81,350 lb
Arm crowd force (ISO)		**228 kN** 23,300 kgf 51,370 lb	**202 kN** 20,600 kgf 45,410 lb	**176 kN** 17,900 kgf 39,460 lb	**228 kN** 23,300 kgf 51,370 lb	**272 kN** 27,700 kgf 61,070 lb
Arm crowd force at Power Max. (ISO)		**246 kN** 25,100 kgf 55,340 lb	**218 kN** 22,200 kgf 48,940 lb	**189 kN** 19,300 kgf 42,550 lb	**246 kN** 25,100 kgf 55,340 lb	**293 kN** 29,900 kgf 65,920 lb

BACKHOE BUCKET AND ARM COMBINATION

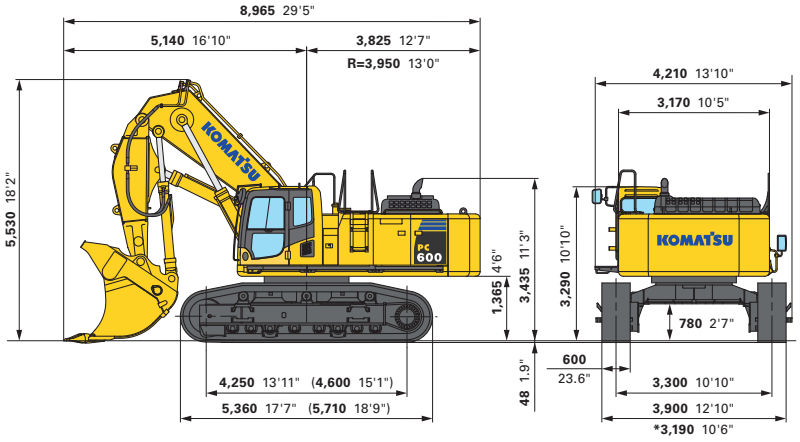
Bucket capacity (Heaped) SAE, PCSA m³ yd³	Bucket capacity (Heaped) CECE m³ yd³	Width With side shrouds, side cutters mm in	Width Without side shrouds, side cutters mm in	Weight (with side cutters) kg lb	Tooth	Arm length m ft in 3.5 11'6"	4.3 14'1"	5.2 17'1"
Use with 7.66 m 25'2" **boom**								
2.0 2.62	**1.8** 2.35	**1,430** 56.3"	**1,250** 49.2"	**2,130** 4,700	KMAX	○	○	○
2.3 3.01	**2.1** 2.75	**1,580** 62.2"	**1,400** 55.1"	**2,260** 4,980	KMAX	○	□	—
2.7 3.53	**2.4** 3.14	**1,780** 70.1"	**1,600** 63.0"	**2,430** 5,360	KMAX	○	—	—
Use with 7.3 m 23'11" **HD boom**						**3.5** 11'6" **HD arm**		
2.8 3.66	**2.5** 3.27	**1,920** 75.6" *	**1,920** 75.6" *	**3,100** 6,830	KMAX	○		
3.1 4.05	**2.8** 3.66	**2,040** 80.3" *	**2,040** 80.3" *	**3,210** 7,080	KMAX	○**		
Use with 6.6 m 21'8" **SE boom**						**2.9** 9'6" **SE arm**		
3.5 4.58	**3.1** 4.05	**2,110** 83.1" *	**2,110** 83.1" *	**3,280** 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/m³ 3,000 lb/yd³. □ : General purpose use, density up to 1.5 t/m³ 2,500 lb/yd³. — : Not useable.

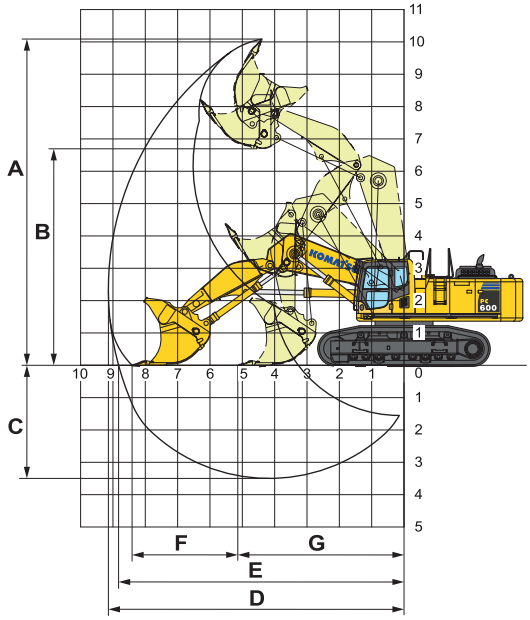
*: Bucket lip width. ** : Available only to LC crawler.

LOADING SHOVEL DIMENSIONS



( ): For PC600LC. *When retracted.

LOADING SHOVEL WORKING RANGE AND BUCKET SELECTION



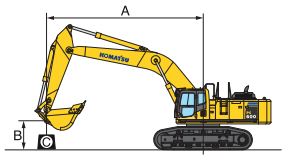
Working Range

	Type of bucket	Bottom dump
	Capacity-heaped	**4.0 m³** 5.2 yd³
A	Max. cutting height	**10,090 mm** 33'1"
B	Max. dumping height	**6,705 mm** 22'0"
C	Max. digging depth	**3,495 mm** 11'6"
D	Max. digging reach	**9,190 mm** 30'2"
E	Max. digging reach at ground level	**8,850 mm** 29'0"
F	Level crowding distance	**3,275 mm** 10'9"
G	Min. crowd distance	**5,135 mm** 16'10"
	Bucket digging force	**386 kN** 39,400 kg 86,860 lb
	Arm crowd force	**338 kN** 34,500 kg 76,660 lb

Bucket Selection

Type of bucket	Bottom dump
Capacity-heaped	**4.0 m³** 5.2 yd³
Width	**2,090 mm** 82.3"
Weight	**5,700 kg** 12,570 lb
N° of bucket teeth	6
Recommended uses	General-purpose digging and loading

LIFTING CAPACITY



PC600-8E0

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: 7.66 mm 25'2" **Arm: 3.5 m** 11'6" **Bucket: 2.7 m³** 3.53 cu.yd **Shoes: 600 mm** 24" triple L mode: **"OFF"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	***6,950** *15,300	***6,950** *15,300										
7.6 m 24'	***6,750** *14,900	***6,750** *14,900	***9,400** *20,700	***9,400** *20,700								
6.1 m 20'	***6,850** *15,100	***6,850** *15,100	***9,700** *21,400	***9,700** *21,400	***10,800** *23,800	***10,800** *23,800						
4.6 m 15'	***7,100** *15,600	**6,500** 14,300	***10,400** *22,900	**9,450** 20,800	***12,100** *26,700	***12,100** *26,700	***15,000** *33,100	***15,000** *33,100	***20,100** *44,300	***20,100** *44,300		
3.0 m 9'	***7,600** *16,700	**6,050** 13,400	***11,250** *24,800	**8,950** 19,800	***13,600** *30,000	**12,250** 27,000	***17,850** *39,300	**17,400** 38,400				
1.5 m 4'	**7,950** 17,600	**5,900** 13,100	**11,350** 25,000	**8,550** 18,900	***14,800** *32,600	**11,600** 25,600	***19,650** *43,300	**16,450** 36,300	***14,500** *32,000	***14,500** *32,000		
0 m 0'	**8,100** 17,900	**6,000** 13,300	**11,050** 24,400	**8,300** 18,300	**14,850** 32,800	**11,150** 24,600	***20,200** *44,500	**15,850** 34,900	***16,850** *37,100	***16,850** *37,100		
-1.5 m -4'	**8,650** 19,100	**6,400** 14,100	**10,850** 24,000	**8,100** 17,900	**14,600** 32,200	**10,900** 24,000	***20,000** *44,100	**15,550** 34,300	***16,550** *36,500	***16,550** *36,500	***11,950** *26,400	***11,950** *26,400
-3.0 m -9'	**9,700** 21,400	**7,200** 15,900	**10,850** 24,000	**8,100** 17,900	**14,550** 32,100	**10,850** 23,900	***18,950** *41,700	**15,600** 34,400	***24,500** *54,000	***24,500** *54,000	***14,350** *31,600	***14,350** *31,600
-4.6 m -15'	***10,150** *22,400	**8,900** 19,700			***12,950** *28,500	**11,050** 24,400	***16,650** *36,700	***15,900** *35,000	***21,150** *46,600	***21,150** *46,600	***24,800** *54,700	***24,800** *54,700
-6.1 m -20'	***9,500** *21,000	***9,500** *21,000			***8,550** *18,800	***8,550** *18,800	***12,800** *28,200	***12,800** *28,200	***16,300** *35,900	***16,300** *35,900		

Boom: 7.66 mm 25'2" **Arm: 3.5 m** 11'6" **Bucket: 2.7 m³** 3.53 cu.yd **Shoes: 600 mm** 24" triple L mode: **"ON"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	***8,550** *18,900	***8,550** *18,900										
7.6 m 24'	***8,350** *18,400	***8,350** *18,400	***11,850** *26,100	**10,000** 22,100								
6.1 m 20'	***8,450** *18,600	**7,200** 15,900	***12,250** *27,000	**9,800** 21,600	***13,500** *29,700	***13,500** *29,700						
4.6 m 15'	**8,600** 19,000	**6,500** 14,300	**12,250** 27,000	**9,450** 20,800	***15,100** *33,300	**13,000** 28,700	***18,600** *41,000	***18,600** *41,000	***24,650** *54,300	***24,650** *54,300		
3.0 m 9'	**8,100** 17,900	**6,050** 13,400	**11,750** 26,000	**8,950** 19,800	***16,000** *35,300	**12,250** 27,000	***22,100** *48,700	**17,550** 38,700				
1.5 m 4'	**7,950** 17,600	**5,900** 13,100	**11,350** 25,000	**8,550** 18,900	***15,350** *33,800	**11,600** 25,600	**22,050** 48,600	**16,450** 36,300	***17,400** *38,400	***17,400** *38,400		
0 m 0'	**8,100** 17,900	**6,000** 13,300	**11,050** 24,400	**8,300** 18,300	**14,850** 32,800	**11,150** 24,600	**21,350** 47,100	**15,850** 34,900	***20,150** *44,400	***20,150** *44,400		
-1.5 m -4'	**8,650** 19,100	**6,400** 14,100	**10,850** 24,000	**8,100** 17,900	**14,600** 32,200	**10,900** 24,000	**21,050** 46,400	**15,550** 34,300	***19,950** *44,000	***19,950** *44,000	***14,450** *31,800	***14,450** *31,800
-3.0 m -9'	**9,700** 21,400	**7,200** 15,900	**10,850** 24,000	**8,100** 17,900	**14,550** 32,100	**10,850** 23,900	**21,150** 46,600	**15,600** 34,400	***30,400** *67,100	**25,750** 56,800	***17,400** *38,300	***17,400** *38,300
-4.6 m -15'	**11,900** 26,200	**8,900** 19,700			**14,800** 32,600	**11,050** 24,400	***20,900** *46,100	**15,900** 35,100	***26,450** *58,300	***26,000** *57,300	***29,600** *65,300	***29,600** *65,300
-6.1 m -20'	***12,350** *27,300	***12,350** *27,300			***11,150** *24,600	***11,150** *24,600	***16,350** *36,000	***16,350** *36,000	***20,650** *45,600	***20,650** *45,600		

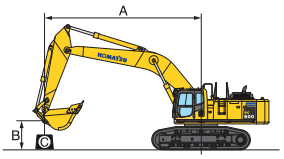
Boom: 7.3 mm 23'11" **Arm: 3.5 m** 11'6" **Bucket: 2.8 m³** 3.66 cu.yd **Shoes: 600 mm** 24" triple L mode: **"OFF"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	***6,500** *14,300	***6,500** *14,300										
7.6 m 24'	***6,300** *13,900	***6,300** *13,900	***8,000** *17,600	***8,000** *17,600								
6.1 m 20'	***6,350** *14,000	***6,350** *14,000	***9,550** *21,000	**9,400** 20,800	***10,500** *23,200	***10,500** *23,200						
4.6 m 15'	***6,650** *14,700	***6,650** *14,700	***10,150** *22,400	**9,100** 20,000	***11,750** *25,900	***11,750** *25,900	***14,500** *32,000	***14,500** *32,000	***19,900** *43,900	***19,900** *43,900		
3.0 m 9'	***7,200** *15,800	**6,150** 13,600	***11,000** *24,200	**8,650** 19,100	***13,300** *29,300	**12,050** 26,500	***17,350** *38,200	***17,350** *38,200	***24,100** *53,200	***24,100** *53,200		
1.5 m 4'	***8,000** *17,600	**6,050** 13,300	**11,050** 24,400	**8,300** 18,300	***14,500** *32,000	**11,450** 25,200	***19,250** *42,500	**16,500** 36,400	***21,300** *46,900	***21,300** *46,900		
0 m 0'	**8,400** 18,500	**6,150** 13,600	**10,800** 23,800	**8,000** 17,700	**14,700** 32,400	**11,000** 24,200	***20,000** *44,100	**15,850** 34,900	***14,600** *32,100	***14,600** *32,100		
-1.5 m -4'	**9,000** 19,800	**6,600** 14,600	**10,650** 23,400	**7,850** 17,300	**14,450** 31,800	**10,750** 23,700	***19,850** *43,800	**15,500** 34,200	***21,100** *46,500	***21,100** *46,500	***14,000** *30,900	***14,000** *30,900
-3.0 m -9'	**10,250** 22,600	**7,600** 16,700	**10,650** 23,500	**7,900** 17,400	***14,400** *31,700	**10,700** 23,500	***18,750** *41,300	**15,550** 34,200	***24,750** *54,500	***24,750** *54,500	***19,650** *43,300	***19,650** *43,300
-4.6 m -15'	***10,350** *22,800	**9,650** 21,300			***12,100** *26,700	**10,900** 24,100	***16,150** *35,600	***15,750** *34,700	***21,000** *46,200	***21,000** *46,200	***27,400** *60,400	***27,400** *60,400
-6.1 m -20'	***9,500** *20,900	***9,500** *20,900					***11,450** *25,200	***11,450** *25,200	***15,250** *33,700	***15,250** *33,700		

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

KOMATSU

LIFTING CAPACITY



PC600-8E0

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: 7.3 mm 23'11" **Arm: 3.5 m** 11'6" **Bucket: 2.8 m³** 3.66 cu.yd **Shoes: 600 mm** 24" triple L mode: **"ON"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	*8,150 *17,900	*8,150 *17,900										
7.6 m 24'	*7,900 *17,400	*7,900 *17,400	*9,850 *21,700	9,550 21,100								
6.1 m 20'	*7,950 *17,600	*7,450 *16,500	*12,150 *26,800	9,400 20,800	*13,200 *29,100	*13,200 *29,100						
4.6 m 15'	*8,300 *18,300	6,650 14,700	11,900 26,300	9,100 20,000	*14,800 *32,600	12,750 28,100	*18,000 *39,700	*18,000 *39,700	*24,400 *53,800	*24,400 *53,800		
3.0 m 9'	8,350 18,400	6,150 13,600	11,450 25,300	8,650 19,100	15,850 34,900	12,050 26,500	*21,550 *47,500	17,600 38,800	*26,500 *58,400	*26,500 *58,400		
1.5 m 4'	8,200 18,100	6,050 13,300	11,050 24,400	8,300 18,300	15,200 33,500	11,450 25,200	*22,150 *48,900	16,500 36,400	*23,400 *51,600	*23,400 *51,600		
0 m 0'	8,400 18,500	6,150 13,600	10,800 23,800	8,000 17,700	14,700 32,400	11,000 24,200	*21,400 *47,200	15,850 34,900	*17,800 *39,300	*17,800 *39,300		
-1.5 m -4'	9,000 19,800	6,600 14,600	10,650 23,400	7,850 17,300	14,450 31,800	10,750 23,700	21,050 46,500	15,500 34,200	*25,450 *56,100	*25,450 *56,100	*16,950 *37,300	*16,950 *37,300
-3.0 m -9'	10,250 22,600	7,600 16,700	10,650 23,500	7,900 17,400	14,400 31,700	10,700 23,500	21,050 46,500	15,550 34,200	*30,700 *67,700	25,800 56,900	*23,750 *52,400	*23,750 *52,400
-4.6 m -15'	12,950 28,600	9,650 21,300			14,650 32,300	10,900 24,100	*20,350 *44,900	15,850 34,900	*26,250 *57,900	*26,100 *57,500	*33,500 *73,900	*33,500 *73,900
-6.1 m -20'	*12,450 *27,400	*12,450 *27,400					*14,750 *32,600	*14,750 *32,600	*19,500 *43,000	*19,500 *43,000		

Boom: 6.6 mm 21'8" **Arm: 2.9 m** 9'6" **Bucket: 3.5 m³** 4.58 cu.yd **Shoes: 600 mm** 24" triple L mode: **"OFF"** Unit: **kg** lb

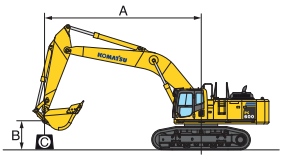
A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	*9,650 *21,300	*9,650 *21,300										
7.6 m 24'	*9,050 *20,000	*9,050 *20,000			*11,550 *25,500	*11,550 *25,500						
6.1 m 20'	*8,950 *19,700	*8,950 *19,700			*11,750 *25,900	*11,750 *25,900						
4.6 m 15'	*9,200 *20,300	8,250 18,100	*11,250 *24,800	9,000 19,800	*12,700 *28,000	*12,700 *28,000	*15,450 *34,100	*15,450 *34,100	*20,100 *44,400	*20,100 *44,400		
3.0 m 9'	*9,800 *21,600	7,600 16,700	11,500 25,300	8,650 19,100	*14,000 *30,900	12,100 26,600	*17,950 *39,600	17,650 38,900	*24,650 *54,300	*24,650 *54,300		
1.5 m 4'	9,950 22,000	7,400 16,400	11,150 24,600	8,350 18,400	*15,000 *33,100	11,500 25,400	*19,750 *43,500	16,750 36,900	*26,900 *59,400	25,900 57,100		
0 m 0'	10,300 22,700	7,650 16,900	10,900 24,100	8,100 17,900	14,850 32,800	11,100 24,500	*20,250 *44,600	16,100 35,500	*26,150 *57,700	25,000 55,100		
-1.5 m -4'	11,250 24,800	8,400 18,500	10,850 24,000	8,050 17,800	14,650 32,300	10,900 24,100	*19,800 *43,600	15,800 34,900	*26,750 *58,900	*25,950 *57,200	*18,800 *41,500	*18,800 *41,500
-3.0 m -9'	*11,500 *25,400	9,950 22,000			*13,250 *29,200	11,000 24,300	*17,950 *39,600	15,950 35,100	*23,750 *52,400	*23,750 *52,400	*24,700 *54,500	*24,700 *54,500
-4.6 m -15'	*10,650 *23,500	*10,650 *23,500					*13,500 *29,800	*13,500 *29,800	*18,250 *40,300	*18,250 *40,300	*23,100 *50,900	*23,100 *50,900

Boom: 6.6 mm 21'8" **Arm: 2.9 m** 9'6" **Bucket: 3.5 m³** 4.58 cu.yd **Shoes: 600 mm** 24" triple L mode: **"ON"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	*11,800 *26,000	*11,800 *26,000										
7.6 m 24'	*11,100 *24,400	*11,100 *24,400			*14,400 *31,800	13,500 29,800						
6.1 m 20'	*10,950 *24,200	9,400 20,700			*14,700 *32,400	13,300 29,300						
4.6 m 15'	10,900 24,000	8,250 18,100	11,800 26,100	9,000 19,800	*15,900 *35,100	12,750 28,200	*19,100 *42,100	18,950 41,800	*24,600 *54,300	*24,600 *54,300		
3.0 m 9'	10,150 22,300	7,600 16,700	11,500 25,300	8,650 19,100	15,900 35,100	12,100 26,600	*22,250 *49,000	17,750 39,200	*30,350 *66,900	28,050 61,800		
1.5 m 4'	9,950 22,000	7,400 16,400	11,150 24,600	8,350 18,400	15,300 33,700	11,500 25,400	22,450 49,500	16,750 36,900	*26,900 *59,400	25,900 57,100		
0 m 0'	10,300 22,700	7,650 16,900	10,900 24,100	8,100 17,900	14,850 32,800	11,100 24,500	21,700 47,900	16,100 35,500	*26,150 *57,700	25,000 55,100		
-1.5 m -4'	11,250 24,800	8,400 18,500	10,850 24,000	8,050 17,800	14,650 32,300	10,900 24,100	21,400 47,200	15,800 34,900	*33,050 *72,800	26,100 57,600	*22,500 *49,600	*22,500 *49,600
-3.0 m -9'	13,350 29,400	9,950 22,000			14,750 32,500	11,000 24,300	21,550 47,500	15,950 35,100	*29,500 *65,100	26,450 58,300	*31,000 *68,400	*31,000 *68,400
-4.6 m -15'	*13,750 *30,400	*13,750 *30,400					*17,200 *37,900	*16,300 *36,000	*23,000 *50,800	*23,000 *50,800	*29,100 *64,200	*29,100 *64,200

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

LIFTING CAPACITY



PC600LC-8E0

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: 7.66 mm 25'2" **Arm: 3.5 m** 11'6" **Bucket: 2.7 m³** 3.53 cu.yd **Shoes: 600 mm** 24" triple L mode: **"OFF"** Unit: **kg** lb

A / B	⛒ MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	***6,950** *15,300	***6,950** *15,300										
7.6 m 24'	***6,750** *14,900	***6,750** *14,900	***9,400** *20,700	***9,400** *20,700								
6.1 m 20'	***6,850** *15,100	***6,850** *15,100	***9,700** *21,400	***9,700** *21,400	***10,800** *23,800	***10,800** *23,800						
4.6 m 15'	***7,100** *15,600	**6,650** 14,600	***10,400** *22,900	**9,600** 21,200	***12,100** *26,700	***12,100** *26,700	***15,000** *33,100	***15,000** *33,100	***20,100** *44,300	***20,100** *44,300		
3.0 m 9'	***7,600** *16,700	**6,200** 13,700	***11,250** *24,800	**9,150** 20,200	***13,600** *30,000	**12,450** 27,500	***17,850** *39,300	***17,600** *38,900				
1.5 m 4'	***8,300** *18,400	**6,050** 13,400	***11,950** *26,300	**8,750** 19,300	***14,800** 32,600	**11,800** 26,100	***19,650** *43,300	**16,750** 37,000	***14,500** *32,000	***14,500** *32,000		
0 m 0'	**9,350** 20,600	**6,150** 13,600	***12,350** *27,200	**8,450** 18,600	***15,400** *34,000	**11,350** 25,100	***20,200** *44,500	**16,150** 35,600	***16,850** *37,100	***16,850** *37,100		
-1.5 m -4'	**9,950** 22,000	**6,550** 14,500	***12,300** *27,100	**8,300** 18,300	***15,450** *34,000	**11,100** 24,500	***20,000** *44,100	**15,850** 35,000	***16,550** *36,500	***16,550** *36,500	***11,950** *26,400	***11,950** *26,400
-3.0 m -9'	***10,150** *22,400	**7,400** 16,300	***11,600** *25,500	**8,300** 18,300	***14,800** *32,600	**11,100** 24,400	***18,950** *41,700	**15,900** 35,100	***24,500** *54,000	***24,500** *54,000	***14,350** *31,600	***14,350** *31,600
-4.6 m -15'	***10,150** *22,400	**9,100** 20,100			***12,950** *28,500	**11,300** 24,900	***16,650** *36,700	***16,100** *35,500	***21,150** *46,600	***21,150** *46,600	***24,800** *54,700	***24,800** *54,700
-6.1 m -20'	***9,500** *21,000	***9,500** *21,000			***8,550** *18,800	**8,550** 18,800	***12,800** *28,200	***12,800** *28,200	***16,300** *35,900	***16,300** *35,900		

Boom: 7.66 mm 25'2" **Arm: 3.5 m** 11'6" **Bucket: 2.7 m³** 3.53 cu.yd **Shoes: 600 mm** 24" triple L mode: **"ON"** Unit: **kg** lb

A / B	⛒ MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	***8,550** *18,900	***8,550** *18,900										
7.6 m 24'	***8,350** *18,400	***8,350** *18,400	***11,850** *26,100	**10,200** 22,500								
6.1 m 20'	***8,450** *18,600	**7,350** 16,200	***12,250** *27,000	**10,000** 22,000	***13,500** *29,700	***13,500** *29,700						
4.6 m 15'	***8,750** *19,300	**6,650** 14,600	***13,100** *28,900	**9,650** 21,200	***15,100** *33,300	**13,250** 29,200	***18,600** *41,000	***18,600** *41,000	***24,650** *54,300	***24,650** *54,300		
3.0 m 9'	**9,300** 20,500	**6,200** 13,700	**13,450** 29,600	**9,150** 20,200	***17,000** *37,500	**12,450** 27,500	***22,100** *48,700	**17,850** 39,400				
1.5 m 4'	**9,150** 20,200	**6,050** 13,400	**13,000** 28,700	**8,750** 19,300	**17,600** 38,800	**11,800** 26,100	***24,350** *53,700	**16,750** 37,000	***17,400** *38,400	***17,400** *38,400		
0 m 0'	**9,350** 20,600	**6,150** 13,600	**12,700** 28,000	**8,450** 18,600	**17,100** 37,700	**11,350** 25,100	**24,800** 54,600	**16,150** 35,600	***20,150** *44,400	***20,150** *44,400		
-1.5 m -4'	**9,950** 22,000	**6,550** 14,500	**12,500** 27,600	**8,300** 18,300	**16,800** 37,100	**11,100** 24,500	**24,450** 54,000	**15,850** 35,000	***19,950** *44,000	***19,950** *44,000	***14,450** *31,800	***14,450** *31,800
-3.0 m -9'	**11,150** 24,600	**7,400** 16,400	**12,500** 27,600	**8,300** 18,300	**16,800** 37,000	**11,100** 24,400	***23,650** *52,100	**15,900** 35,100	***30,400** *67,100	**26,200** 57,800	***17,400** *38,300	***17,400** *38,300
-4.6 m -15'	***13,000** *28,700	**9,100** 20,100			***16,400** *36,100	**11,300** 24,900	***20,900** *46,100	**16,200** 35,800	***26,450** *58,300	***26,450** *58,300	***29,600** *65,300	***29,600** *65,300
-6.1 m -20'	***12,350** *27,300	***12,350** *27,300			***11,150** *24,600	***11,150** *24,600	***16,350** *36,000	***16,350** *36,000	***20,650** *45,600	***20,650** *45,600		

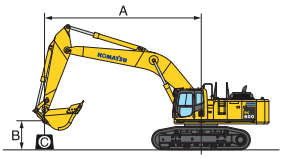
Boom: 7.3 mm 23'11" **Arm: 3.5 m** 11'6" **Bucket: 2.8 m³** 3.66 cu.yd **Shoes: 600 mm** 24" triple L mode: **"OFF"** Unit: **kg** lb

A / B	⛒ MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	***6,500** *14,300	***6,500** *14,300										
7.6 m 24'	***6,300** *13,900	***6,300** *13,900	***8,000** *17,600	***8,000** *17,600								
6.1 m 20'	***6,350** *14,000	***6,350** *14,000	***9,550** *21,000	***9,550** *21,000	***10,500** *23,200	***10,500** *23,200						
4.6 m 15'	***6,650** *14,700	***6,650** *14,700	***10,150** *22,400	**9,250** 20,400	***11,750** *25,900	***11,750** *25,900	***14,500** *32,000	***14,500** *32,000	***19,900** *43,900	***19,900** *43,900		
3.0 m 9'	***7,200** *15,800	**6,300** 13,900	***11,000** *24,200	**8,850** 19,500	***13,300** *29,300	**12,250** 27,000	***17,350** *38,200	***17,350** *38,200	***24,100** *53,200	***24,100** *53,200		
1.5 m 4'	***8,000** *17,600	**6,150** 13,600	***11,650** *25,700	**8,450** 18,700	***14,500** *32,000	**11,650** 25,700	***19,250** *42,500	**16,800** 37,100	***21,300** *46,900	***21,300** *46,900		
0 m 0'	***9,200** *20,300	**6,300** 13,900	***12,050** *26,600	**8,200** 18,100	***15,150** *33,400	**11,200** 24,700	***20,000** *44,100	**16,150** 35,600	***14,600** *32,100	***14,600** *32,100		
-1.5 m -4'	***10,200** *22,400	**6,800** 14,900	***11,900** *26,300	**8,050** 17,700	***15,150** *33,400	**10,950** 24,100	***19,850** *43,800	**15,800** 34,900	***21,100** *46,500	***21,100** *46,500	***14,000** *30,900	***14,000** *30,900
-3.0 m -9'	***10,350** *22,900	**7,750** 17,100	***10,900** *24,100	**8,050** 17,800	***14,400** *31,700	**10,900** 24,000	***18,750** *41,300	**15,850** 34,900	***24,750** *54,500	***24,750** *54,500	***19,650** *43,300	***19,650** *43,300
-4.6 m -15'	***10,350** *22,800	**9,850** 21,800			***12,100** *26,700	**11,150** 24,600	***16,150** *35,600	***16,050** *35,400	***21,000** *46,200	***21,000** *46,200	***27,400** *60,400	***27,400** *60,400
-6.1 m -20'	***9,500** *20,900	***9,500** *20,900					***11,450** *25,200	***11,450** *25,200	***15,250** *33,700	***15,250** *33,700		

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

KOMATSU

LIFTING CAPACITY



PC600LC-8E0

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: 7.3 mm 23'11" **Arm: 3.5 m** 11'6" **Bucket: 2.8 m³** 3.66 cu.yd **Shoes: 600 mm** 24" triple L mode: **"ON"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	*8,150 *17,900	*8,150 *17,900										
7.6 m 24'	*7,900 *17,400	*7,900 *17,400	*9,850 *21,700	9,750 21,500								
6.1 m 20'	*7,950 *17,600	7,650 16,800	*12,150 *26,800	9,600 21,100	*13,200 *29,100	*13,200 *29,100						
4.6 m 15'	*8,300 *18,300	*6,800 15,000	*12,900 *28,400	9,250 20,400	*14,800 *32,600	13,000 28,600	*18,000 *39,700	*18,000 *39,700	*24,400 *53,800	*24,400 *53,800		
3.0 m 9'	*8,900 *19,700	6,300 13,900	13,150 29,000	8,850 19,500	*16,700 *36,800	12,250 27,000	*21,550 *47,500	17,900 39,400	*26,500 *58,400	*26,500 *58,400		
1.5 m 4'	9,450 20,900	6,150 13,600	12,750 28,100	8,450 18,700	17,450 38,500	11,650 25,700	*23,950 *52,800	16,800 37,100	*23,400 *51,600	*23,400 *51,600		
0 m 0'	9,700 21,400	6,300 13,900	12,450 27,400	8,200 18,100	16,950 37,400	11,200 24,700	24,750 54,600	16,150 35,600	*17,800 *39,300	*17,800 *39,300		
-1.5 m -4'	10,400 22,900	6,800 14,900	12,300 27,100	8,050 17,700	16,700 36,800	10,950 24,100	*24,500 *54,000	15,800 34,900	*25,450 *56,100	*25,450 *56,100	*16,950 *37,300	*16,950 *37,300
-3.0 m -9'	11,850 26,100	7,750 17,100	12,300 27,100	8,050 17,800	16,600 36,600	10,900 24,000	*23,450 *51,700	15,850 34,900	*30,700 *67,700	26,250 57,900	*23,750 *52,400	*23,750 *52,400
-4.6 m -15'	*13,350 *29,400	9,850 21,800			*15,450 *34,100	11,150 24,600	*20,350 *44,900	16,150 35,600	*26,250 *57,900	*26,250 *57,900	*33,500 *73,900	*33,500 *73,900
-6.1 m -20'	*12,450 *27,400	*12,450 *27,400					*14,750 *32,600	*14,750 *32,600	*19,500 *43,000	*19,500 *43,000		

Boom: 6.6 mm 21'8" **Arm: 2.9 m** 9'6" **Bucket: 3.5 m³** 4.58 cu.yd **Shoes: 600 mm** 24" triple L mode: **"OFF"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	*9,650 *21,300	*9,650 *21,300										
7.6 m 24'	*9,050 *20,000	*9,050 *20,000			*11,550 *25,500	*11,550 *25,500						
6.1 m 20'	*8,950 *19,700	*8,950 *19,700			*11,750 *25,900	*11,750 *25,900						
4.6 m 15'	*9,200 *20,300	8,400 18,500	*11,250 *24,800	9,150 20,200	*12,700 *28,000	*12,700 *28,000	*15,450 *34,100	*15,450 *34,100	*20,100 *44,400	*20,100 *44,400		
3.0 m 9'	*9,800 *21,600	7,750 17,100	*11,750 *25,900	8,850 19,500	*14,000 *30,900	12,300 27,100	*17,950 *39,600	17,900 39,500	*24,650 *54,300	*24,650 *54,300		
1.5 m 4'	*10,800 *23,800	7,600 16,700	*12,150 *26,800	8,500 18,800	*15,000 *33,100	11,750 25,900	*19,750 *43,500	17,050 37,600	*26,900 *59,400	26,350 58,100		
0 m 0'	*11,500 *25,400	7,800 17,200	*12,200 *26,900	8,300 18,300	*15,500 *34,000	11,350 25,000	*20,250 *44,600	16,400 36,200	*26,150 *57,700	25,450 56,100		
-1.5 m -4'	*11,600 *25,600	8,550 18,900	*11,300 *24,900	8,250 18,200	*15,000 *33,100	11,150 24,600	*19,800 *43,600	16,100 35,500	*26,750 *58,900	*26,400 *58,200	*18,800 *41,500	*18,800 *41,500
-3.0 m -9'	*11,500 *25,400	10,150 22,400			*13,250 *29,200	11,250 24,800	*17,950 *39,600	16,250 35,800	*23,750 *52,400	*23,750 *52,400	*24,700 *54,500	*24,700 *54,500
-4.6 m -15'	*10,650 *23,500	*10,650 *23,500					*13,500 *29,800	*13,500 *29,800	*18,250 *40,300	*18,250 *40,300	*23,100 *50,900	*23,100 *50,900

Boom: 6.6 mm 21'8" **Arm: 2.9 m** 9'6" **Bucket: 3.5 m³** 4.58 cu.yd **Shoes: 600 mm** 24" triple L mode: **"ON"** Unit: **kg** lb

A / B	⛒MAX		9.1 m 29'		7.6 m 24'		6.1 m 20'		4.6 m 15'		3.0 m 9'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
9.1 m 29'	*11,800 *26,000	*11,800 *26,000										
7.6 m 24'	*11,100 *24,400	*11,100 *24,400			*14,400 *31,800	13,700 30,300						
6.1 m 20'	*10,950 *24,200	9,600 21,100			*14,700 *32,400	13,500 29,800						
4.6 m 15'	*11,250 *24,800	8,400 18,500	13,500 29,800	9,150 20,200	*15,900 *35,100	13,000 28,700	*19,100 *42,100	*19,100 *42,100	*24,650 *54,300	*24,600 *54,300		
3.0 m 9'	11,650 25,700	7,750 17,100	13,150 29,000	8,850 19,500	*17,500 *38,600	12,300 27,100	*22,250 *49,000	18,050 39,800	*30,350 *66,900	28,500 62,800		
1.5 m 4'	11,450 25,300	7,600 16,700	12,800 28,300	8,500 18,800	17,550 38,700	11,750 25,900	*24,450 *54,000	17,050 37,600	*26,900 *59,400	26,350 58,100		
0 m 0'	11,850 26,100	7,800 17,200	12,550 27,700	8,300 18,300	17,150 37,800	11,350 25,000	25,100 55,300	16,400 36,200	*26,150 *57,700	25,450 56,100		
-1.5 m -4'	12,950 28,600	8,550 18,900	12,500 27,600	8,250 18,200	16,900 37,300	11,150 24,600	*24,650 *54,300	16,100 35,500	*33,050 *72,800	26,550 58,600	*22,500 *49,600	*22,500 *49,600
-3.0 m -9'	*14,750 *32,500	10,150 22,400			*16,800 *37,000	11,250 24,800	*22,450 *49,500	16,250 35,800	*29,500 *65,100	26,900 59,300	*31,000 *68,400	*31,000 *68,400
-4.6 m -15'	*13,750 *30,400	*13,750 *30,400					*17,200 *37,900	*16,600 *36,600	*23,000 *50,800	*23,000 *50,800	*29,100 *64,200	*29,100 *64,200

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

Transportation specifications
(Length x height x width).

»Backhoe

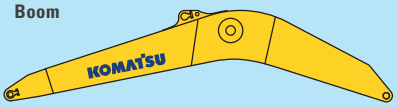
»Specs shown include the following equipment:

PC600-8E0: Boom 7,660 mm 25'2".
Arm 3,500 mm 11'6".
Bucket 2.7 m³ 3.53 yd³.
Shoes 600 mm 24" triple grouser.

3 Kits Transportation

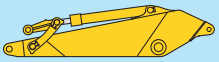
Work equipment assembly (Backhoe)
Weight: 12.5 t 13.8 U.S.ton

Boom



4.9 t: 7,920 x 2,040 x 1,190
5.4 U.S.ton: 26'0" x 6'8" x 3'11"

Arm



3.7 t: 4,870 x 1,210 x 650
4.1 U.S.ton: 16'0" x 4'0" x 2'2"

Bucket

2.5 t: 2,150 x 1,780 x 1,780
2.8 U.S.ton: 7'1" x 5'10" x 5'10"

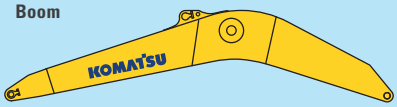
Boom cylinder & Arm cylinder

Total 1.7 t 1.9 U.S.ton

4 Kits Transportation

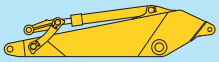
Work equipment assembly (Backhoe)
Weight: 12.5 t 13.8 U.S.ton

Boom



4.9 t: 7,920 x 2,040 x 1,190
5.4 U.S.ton: 26'0" x 6'8" x 3'11"

Arm



3.7 t: 4,870 x 1,210 x 650
4.1 U.S.ton: 16'0" x 4'0" x 2'2"

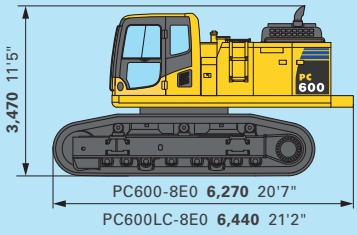
Bucket

2.5 t: 2,150 x 1,780 x 1,780
2.8 U.S.ton: 7'1" x 5'10" x 5'10"

Boom cylinder & Arm cylinder

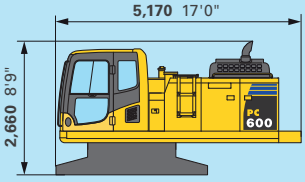
Total 1.7 t 1.9 U.S.ton

Base machine



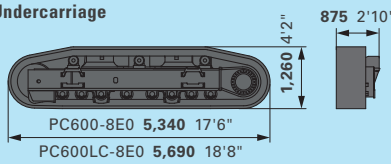
Width: 3,195 10'6"
Weight: PC600-8E0 34.4 t 37.9 U.S. ton
PC600LC-8E0 35.4 t 39.0 U.S. ton

Upper structure



Width: 3,170 10'5"
Weight: 18.4 t 20.3 U.S. ton

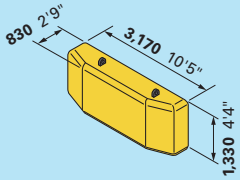
Undercarriage



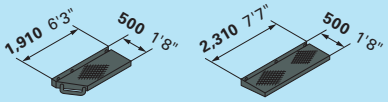
Weight: PC600-8E0 16.0 t [8.0 t x 2] 17.6 U.S. ton [8.8 U.S. ton x 2]
PC600LC-8E0 17.0 t [8.5 t x 2] 18.7 U.S. ton [9.4 U.S. ton x 2]

Others

Weight: 12.3 t 13.6 U.S. ton

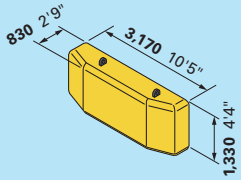


Weight: 10.75 t 11.8 U.S. ton

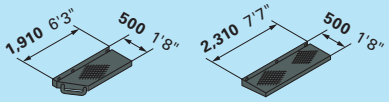


Others

Weight: 12.3 t 13.6 U.S. ton



Weight: 10.75 t 11.8 U.S. ton



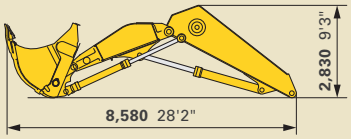
»Loading Shovel

»Specs shown include the following equipment:

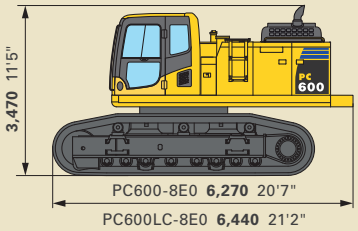
PC600-8E0: Boom 4,000 mm 13'1"; Arm 3,000 mm 9'10"; Bucket 4.0 m³ 5.2 yd³; Shoes 600 mm 24" double grouser.

3 Kits Transportation

Work equipment assembly (Loading shovel)
Width: 2,090 6'10"
Weight: 16.5 t 18.2 U.S.ton



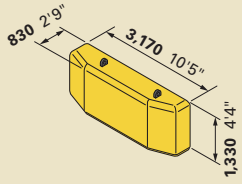
Base machine



Width: 3,195 10'6"
Weight: PC600-8E0 34.4 t 37.9 U.S. ton
PC600LC-8E0 35.4 t 39.0 U.S. ton

Others

Weight: 12.3 t 13.6 U.S. ton



Weight: 10.75 t 11.8 U.S. ton

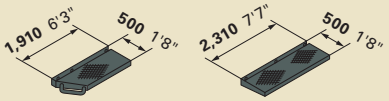


*Photo may include optional equipment.

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, 60 amp, 24 V.
»Auto decelerator and auto idling system.
»Batteries, 170 Ah, 2 x 12 V.
»Starting motors, 11 kW.
»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.
»1 axial piston motor per track for travel with counter balance valve.
»1 gear pump for control circuit.
»Power Max. function.
»2 axial piston motors for swing with single-stage relief valve.
»2 Mode setting for boom.
»2 variable capacity piston pumps.

DRIVE AND BRAKE SYSTEM:
»Brakes; hydraulic lock travel brakes; oil disc parking.
»Hydrostatic 2 travel speed system with planetary triple reduction final drive.

OTHER STANDARD EQUIPMENT:
»Anti-slip plates.
»Automatic swing holding brake.
»Catwalk.
»Counterweight, 10,750 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.

OPTIONAL EQUIPMENT

»Alternator, 90 amp, 24 V.
»Arms (backhoe):
-3,500 mm 11'6'' arm assembly.
-3,500 mm 11'6'' HD arm assembly.
-4,300 mm 14'1'' arm assembly.
-5,200 mm 17'1'' arm assembly.
-2,900 mm 9'6'' SE arm assembly.
»Auto air conditioner.
»Booms (Backhoe):
-7,660 mm 25'2'' boom assembly.
-7,300 mm 23'11'' HD boom assembly.
-6,600 mm 21'8'' SE boom assembly.
»Cab front guard (ISO 10262 level 2).
»Cab with fixed front window.
»Counterweight 13,500 kg 29,800 lb.
»Electric pump, grease gun with indicator.
»12 V electric supply.
»Fire extinguisher.
»Full length track 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).

Optional equipment may not be available in your country.
Please contact your Distributor for further information.

KOMTRAX Plus

SATELLITE MONITORING SYSTEM

KOMTRAX PLUS is a revolutionary tracking system designed to save time and money. Nowadays, the equipment can be tracked anytime and anywhere. This valuable data, received via the KOMTRAX website, can be used to optimize planning of the movements and performance of the equipment.

FEATURES

»LOCATION
KOMTRAX uses a satellite positioning network to inform the location of the equipment.

»GEOFENCE
In partnership with their Komatsu Distributor, owners can create virtual fences (Geo) to receive alerts when the equipment enters or leaves the designated range for operations.

»SERVICE METER READING
Daily report of the equipment's working hours, which allows planning maintenance and replacement of components.

»KOMTRAX OPERATION MAPS
In the operation maps you can check the times of the day when the equipment is in operation and if the workers are performing their duties in the stipulated times.

»FUEL MEASUREMENT LEVEL
Shows the amount of fuel at the end of the working day.

»WATER TEMPERATURE DAILY RECORD
Constant record of the increase of engine water temperature with a daily report at the end of the day.

»CAUTIONS
If a light turns on in the cab of the equipment, it indicates that a problem occurs. From the website of the application you can check the reason for the problem, the time it occurred and a record number will be generated.

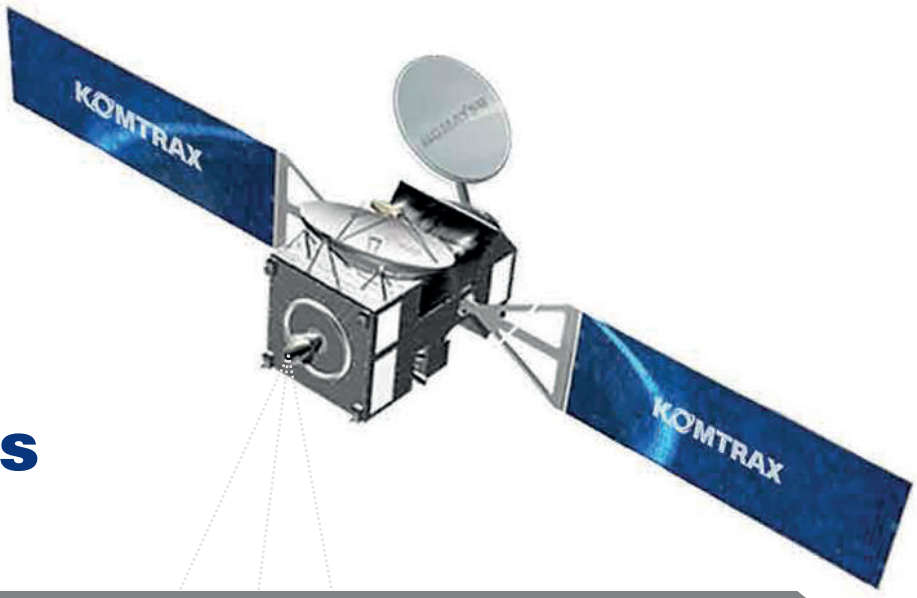
»ABNORMALITY CODES
Abnormality codes are transmitted to the Komatsu Distributor for troubleshooting before technicians arrive at the workplace. An email notification is also sent with the code of what happened.

»NOTICE OF MAINTENANCE REPLACEMENT
The system generates alerts to inform that the equipment requires replacement of elements like filters and oil.

»EQUIPMENT KEY HOURS
Detailed information on key equipment hours such as excavation, travel, unloading and elevation. This can help to monitor and compare equipment performance, in addition to working hours and idle times.

»LOADING FREQUENCY
Information on the load factor of the equipment to know if it is performing in a light, medium or heavy work.

»ANTI-THEFT ENGINE LOCK
KOMTRAX has a system to lock and unlock the motor of the equipment, which will allow the operation only on preset days, hours and areas.



KOMTRAX Plus

FEATURES

»FUEL CONSUMPTION

On new Komatsu equipment, you can get the actual status of the fuel gallons consumed, besides an average of the fuel spent per hour during the period of operation.

»MONTHLY AND ANNUAL DATA REPORTS

KOMTRAX generates summaries of all critical system data to help with analysis of fleet utilization, equipment scheduling, future equipment purchases, labor costs, etc.

Check with your Komatsu dealer for the information available for your model and service availability in your country.

KOMATSU

For further information, contact your Distributor or visit our website **www.komatsulatinoamerica.com**

KLAT-EQ058/001-2020