

KOMATSU®

PC220-8 PC220LC-8

HORSEPOWER

Gross: 134 kW 179 HP @ 2000 rpm

Net: 125 kW 168 HP @ 2000 rpm

OPERATING WEIGHT

PC220-8: 22900–23420 kg

50,490–51,630 lb

PC220LC-8: 24050–24610 kg

53,020–54,260 lb

ecot3

PC
220



Photo may include optional equipment.

HYDRAULIC EXCAVATOR

WALK-AROUND

Ecology and Economy Features

- **Low fuel consumption by total control of the engine, hydraulic and electronic system.**

Reduces fuel consumption by approx. 10%.
(Compared with the PC220-7)

- **Low emission engine**

A powerful, turbocharged and air-to-air after-cooled Komatsu SAA6D107E-1 provides **125 kW** 168 HP. This engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

- Economy mode improves fuel consumption.
- Eco-gauge for energy-saving operations
- Extended idling caution for fuel conservation

- **Low operation noise**

The dynamic noise is lowered by 2 dB compared with the PC220-7, realizing a low noise operation.

See page 4 and 5.

Safety Design

- ROPS cab (ISO 12117-2)
- Slip-resistant plates for safe work on machine
- Safety enhancement with large side-view, sidewise, and rear mirrors added.
- Rear view monitoring system for easy checking behind the machine (optional)

See page 7.

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 8.

Large Comfortable Cab

- Low-noise cab, similar to passenger car
- 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

See pages 6.

Easy Maintenance

- Long replacement interval of engine oil, engine oil filter, and hydraulic filter
- Remote mounted engine oil filter and fuel drain valve for easy access
- Equipped with the fuel pre-filter as standard (with water separator)
- Side-by-side cooling concept enables individual cooling modules to be serviced.
- Equipped with the EMMS monitoring system

See page 9.

HORSEPOWER
Gross: 134 kW 179 HP @ 2000 rpm
Net: 125 kW 168 HP @ 2000 rpm

OPERATING WEIGHT
PC220-8: 22900 – 23420 kg
50,490 – 51,630 lb
PC220LC-8: 24050 – 24610 kg
53,020 – 54,260 lb

BUCKET CAPACITY
0.72 – 1.26 m³
0.94 – 1.65 yd³



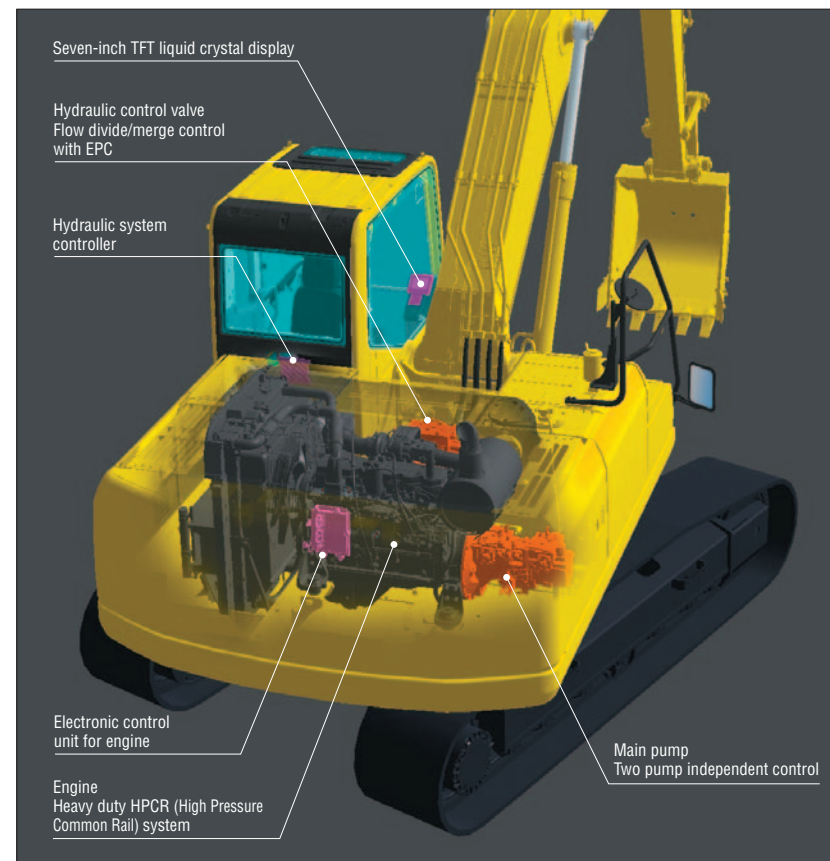
Photo may include optional equipment.

ECOLOGY & ECONOMY 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 Fuel Consumption

The newly-developed Komatsu SAA6D107E-1 [ecot3] engine enables NOx emissions to be significantly reduced with the accurate multi-staged fuel injection by the engine controller. It improves total engine durability using the high-pressure fuel injection system developed specifically for construction machinery. This excavator significantly reduces hourly fuel consumption using the highly-efficient matching techniques of the engine and hydraulic unit and also provides features that promote energy-saving operations such as the E mode and Eco-gauge.

Fuel consumption 10% reduced

Compared with the PC220-7 at P mode and 100% working efficiency. Fuel consumption varies depending on job conditions.

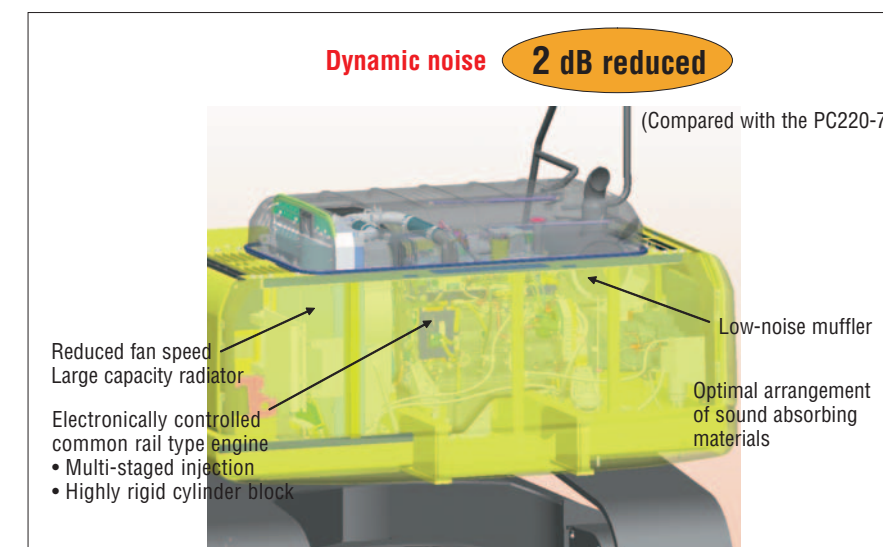
Low Emission Engine

Komatsu SAA6D107E-1 engine is EPA Tier 3 and EU Stage 3A emissions certified and reduced NOx emission by 29 % compared with the PC220-7.



Low Operation Noise

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



Idling Caution

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



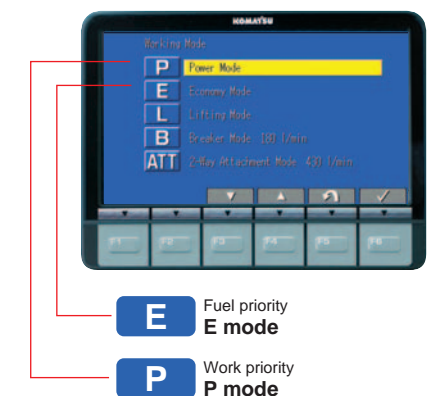
Working Modes Selectable

Two 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 priority 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 work-loads.



Eco-gauge that Assists Energy-saving Operations

Equipped with the Eco-gauge that can be recognized at a glance on the right of the multi-function color monitor for environment-friendly energy-saving operations. Allows focus on operation in the green range with reduced CO₂ emissions and efficient fuel consumption.



Eco-gauge

WORKING ENVIRONMENT

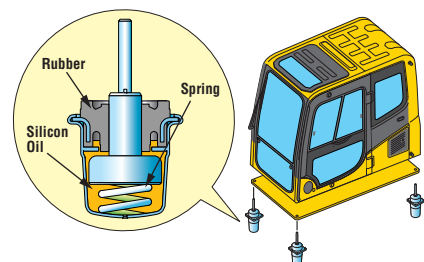


Low Cab Noise

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 this machine to generate a low level of noise similar to that of a passenger car.

Low Vibration with Cab Damper Mounting

PC220-8 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.



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.



Pressurized Cab

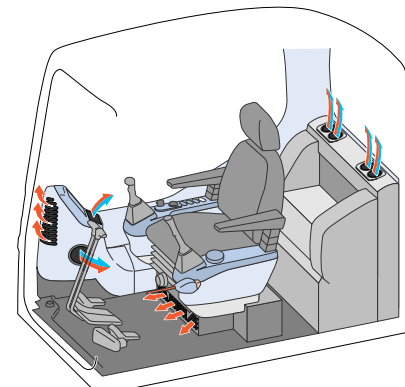
Optional air conditioner, air filter and a higher internal air pressure (+6.0 mm Aq +0.2" Aq) prevent external dust from entering the cab.

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

ROPS Cab

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



Lock Lever

Locks the hydraulic pressure to prevent unintentional movement. Neutral start function allows machine to be started only in lock position.



Large Side-view, Rear, and Sidewise Mirrors

Enlarged left-side mirror and addition of rear and side mirror allow the PC220-8 to meet the new ISO visibility requirements.



Rear View Monitoring System (optional)

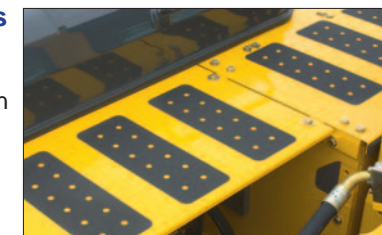
The operator can view the rear of the machine with a color monitor screen.



Monitor for rear view camera

Slip-resistant Plates

Highly durable slip-resistant plates maintain superior traction performance for the long term.



Pump/engine Room Partition

Pump/engine room partition prevents oil from spraying onto the engine if a hydraulic hose should burst.

Thermal and Fan Guards

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



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. Industry first function keys facilitate multi-function operations. Displays data in 12 languages to globally support operators around the world.



- Indicators**

 - 1 Auto-decelerator
 - 2 Working mode
 - 3 Travel speed
 - 4 Engine water temperature gauge
 - 5 Hydraulic oil temperature gauge
 - 6 Fuel gauge
 - 7 Eco-gauge
 - 8 Function switches menu
- Basic operation switches**

 - 1 Auto-decelerator
 - 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, Economy mode, Lifting mode, Breaker mode and Attachment mode.

Working Mode	Application	Advantage
P	Power mode	<ul style="list-style-type: none">Maximum production/powerFast cycle time
E	Economy mode	<ul style="list-style-type: none">Excellent fuel economy
L	Lifting mode	<ul style="list-style-type: none">Hydraulic pressure is increased by 7%
B	Breaker operation	<ul style="list-style-type: none">Optimum engine rpm, hydraulic flow
ATT	Attachment mode	<ul style="list-style-type: none">Optimum engine rpm, hydraulic flow, 2 way

Lifting Mode

When the Lifting mode is selected, lifting capacity is increased 7% by raising hydraulic pressure.

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.



MAINTENANCE FEATURES

Side-by-side Cooling

Since radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them. Radiator, aftercooler, and oil cooler made of aluminum have high cooling efficiency and are easily recycled.



Equipped with the Fuel Pre-filter (with Water Separator)

Removes water and contaminants in the fuel to prevent fuel problems. (With built-in priming pump)



Washable Cab Floormat

The PC220-8 's cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.



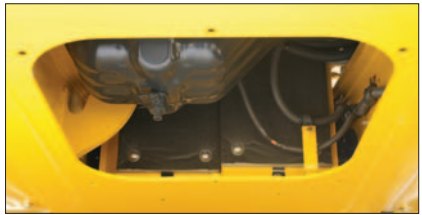
Easy Access to Engine Oil Filter and Fuel Drain Valve

Engine oil filter and fuel drain valve are remote mounted to improve accessibility.



Equipped with the Eco-drain Valve as Standard.

Prevents clothes and the ground from becoming contaminated due to oil leakage when replacing the engine oil.



Large-capacity Fuel Tank and Rustproof Treatment

400-liter (106 U.S. gal) high-capacity fuel tank. Effective corrosion resistance using rustproof treatment.

Sloping Track Frame

Prevents dirt and sand from accumulating and allows easy mud removal.

Gas Assisted Engine Hood Damper Cylinders

The engine hood can be easily opened and closed with the assistance of the gas assisted engine hood damper cylinders.



Long-life Oil, Filter

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



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

Air Conditioner Filter (optional)

The air conditioner filter is removed and installed without the use of tools facilitating filter maintenance.



Long Work Equipment Greasing Interval (optional)

High quality BMRC bushings and resin shims are optionally available for work equipment pins excluding bucket, extending greasing interval to 500 hours.



SAE J1995 Gross **134 kW** 179 HP
ISO 9249 / SAE J1349 Net **125 kW** 168 HP
Rated rpm 2000 rpm
Fan drive method for radiator cooling Mechanical
Governor All-speed control, electronic
EPA Tier 3 and EU Stage 3A emissions certified



Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)

Boom	2–130 mm x 1335 mm x 90 mm	5.1" x 52.6" x 3.5"
Arm	1–140 mm x 1635 mm x 100 mm	5.5" x 64.4" x 3.9"
Bucket:	for 2.5 m 8'2" and 3.05 m 10'0"	Arm
	1–130 mm x 1020 mm x 90 mm	5.1" x 40.2" x 3.5"
	for 2.0 m 6'7" Arm
	1–140 mm x 1009 mm x 100 mm	5.5" x 39.7" x 3.9"



Steering control	Two levers with pedals
Drive method	Hydrostatic
Maximum drawbar pull	202 kN 20570 kg 45,350 lb
Gradeability	70%, 35°
Maximum travel speed: High	5.5 km/h 3.4 mph
(Auto-Shift) Mid	4.2 km/h 2.6 mph
(Auto-Shift) Low	3.1 km/h 1.9 mph
Service brake	Hydraulic lock
Parking brake	Mechanical disc brake



Drive method	Hydrostatic
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Service brake	Hydraulic lock
Holding brake/Swing lock	Mechanical disc brake
Swing speed	11.7 rpm



Center frame	X-frame
Track frame	Box-section
Seal of track	Sealed track
Track adjuster	Hydraulic
Number of shoes (each side):	
PC220-8	47
PC220LC-8	51
Number of carrier rollers	2 each side
Number of track rollers (each side):	
PC220-8	8
PC220LC-8	10



Fuel tank	400 ltr	105.7 U.S. gal.
Coolant	19.8 ltr	5.2 U.S. gal.
Engine	23.1 ltr	6.1 U.S. gal.
Final drive, each side	3.3 ltr	0.9 U.S. gal.
Swing drive	6.6 ltr	1.7 U.S. gal.
Hydraulic tank	135 ltr	35.7 U.S. gal.



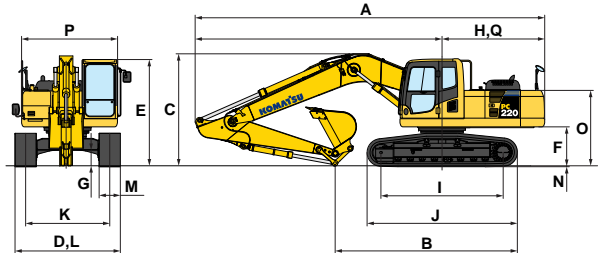
Operating weight including **5850 mm** 19'2" one-piece boom, **3045 mm** 10'0" arm, SAE heaped **1.0 m³** 1.31 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Shoes	PC220-8		PC220LC-8	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
600 mm 24"	22900 kg 50,490 lb	50.0 kPa 0.51 kgf/cm ² 7.25 psi	24050 kg 53,020 lb	48.1 kPa 0.49 kgf/cm ² 6.97 psi
700 mm 28"	23160 kg 51,060 lb	44.1 kPa 0.45 kgf/cm ² 6.40 psi	24330 kg 53,640 lb	41.2 kPa 0.42 kgf/cm ² 5.97 psi
800 mm 31.5"	23420 kg 51,640 lb	38.2 kPa 0.39 kgf/cm ² 5.55 psi	24610 kg 54,260 lb	36.3 kPa 0.37 kgf/cm ² 5.26 psi



	Arm Length	2000 mm 6'7"	2500 mm 8'2"	3045 mm 10'0"
A	Overall length	9865 mm 32'4"	9960 mm 32'8"	9885 mm 32'5"
B	Length on ground (transport): PC220-8 PC220LC-8	6470 mm 21'3" 6660 mm 21'10"	5920 mm 19'5" 6115 mm 20'1"	5190 mm 17'0" 5390 mm 17'8"
C	Overall height (to top of boom)	3220 mm 10'7"	3295 mm 10'10"	3185 mm 10'5"

		PC220-8	PC220LC-8
D	Overall width	2980 mm 9'9"	3280 mm 10'9"
E	Overall height (to top of cab)	3055 mm 10'0"	3055 mm 10'0"
F	Ground clearance, counterweight	1100 mm 3'7"	1100 mm 3'7"
G	Ground clearance (minimum)	440 mm 1'5"	440 mm 1'5"
H	Tail swing radius	2940 mm 9'8"	2940 mm 9'8"
I	Track length on ground	3460 mm 11'4"	3845 mm 12'7"
J	Track length	4260 mm 14'0"	4640 mm 15'3"
K	Track gauge	2380 mm 7'10"	2580 mm 8'6"
L	Width of crawler	2980 mm 9'9"	3280 mm 10'9"
M	Shoe width	600 mm 23.6"	700 mm 27.6"
N	Grouser height	26 mm 1.0"	26 mm 1.0"
O	Machine cab height	2110 mm 6'11"	2110 mm 6'11"
P	Machine cab width	2710 mm 8'11"	2710 mm 8'11"
Q	Distance, swing center to rear end	2905 mm 9'6"	2905 mm 9'6"



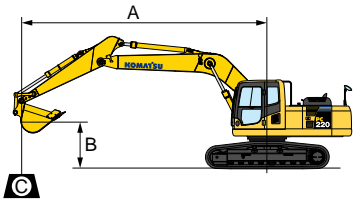
	Arm	2000 mm 6'7"	2500 mm 8'2"	3045 mm 10'0"
A	Max. digging height	9665 mm 31'9"	9790 mm 32'1"	10000 mm 32'10"
B	Max. dumping height	6715 mm 22'0"	6860 mm 22'6"	7035 mm 23'1"
C	Max. digging depth	5825 mm 19'1"	6320 mm 20'9"	6920 mm 22'8"
D	Max. vertical wall digging depth	4750 mm 15'7"	5130 mm 16'10"	6010 mm 19'9"
E	Max. digging depth of cut for 8' level	5585 mm 18'4"	6100 mm 20'0"	6700 mm 22'0"
F	Max. digging reach	9270 mm 30'5"	9670 mm 31'9"	10180 mm 33'5"
G	Max. digging reach at ground level	9070 mm 29'9"	9480 mm 31'1"	10020 mm 32'10"
H	Min. swing radius	3300 mm 10'10"	3320 mm 10'11"	3450 mm 11'4"
SAE rating	Bucket digging force at power max.	176 kN 17900 kgf/39,460 lb	152 kN 15500 kgf/34,170 lb	152 kN 15500 kgf/ 34,170 lb
	Arm crowd force at power max.	155 kN 15800 kgf/34,830 lb	142 kN 14500 kgf/31,970 lb	119 kN 12100 kgf/ 26,680 lb
ISO rating	Bucket digging force at power max.	197 kN 20100 kgf/44,310 lb	172 kN 17500 kgf/38,580 lb	172 kN 17500 kgf/ 38,580lb
	Arm crowd force at power max.	161 kN 16400 kgf/36,160 lb	148 kN 15100 kgf/33,290 lb	129 kN 13200 kgf/29,100 lb



Bucket Capacity (heaped)		Width				Weight		Number of Teeth	Arm Length				
SAE, PCSA	CECE	Without Side Cutters		With Side Cutters		With Side Cutters			2.00 m 6'7"	2.50 m 8'2"	3.05 m10'0"		
0.72 m³	0.94 yd³	0.65 m³	0.85 yd³	900 mm	35.4"	1005 mm	39.6"	658 kg	1,450 lb	3	○	○	○
1.00 m³	1.31 yd³	0.90 m³	1.18 yd³	1155 mm	45.5"	1260 mm	49.6"	734 kg	1,620 lb	4	○	○	○
1.14 m³	1.49 yd³	1.00 m³	1.31 yd³	1300 mm	51.2"	1405 mm	55.3"	793 kg	1,750 lb	5	○	□	□
1.26 m³	1.65 yd³	1.10 m³	1.44 yd³	1400 mm	55.1"	1505 mm	59.3"	845 kg	1,860 lb	5	○	□	●

X Not usable

LIFTING CAPACITY



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

Conditions:
● 5850 mm 19'2" one-piece boom

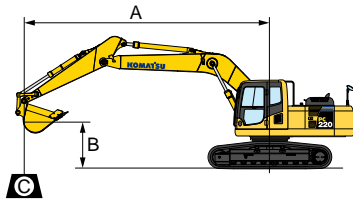
PC220-8												
Arm: 2000 mm 6'7"			Bucket: 1.0 m³ 1.31 yd³			Shoe: 600 mm 24" triple grouser						
A B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	*5150 kg *11,400 lb	*5150 kg *11,400 lb										
6.1 m 20'	*4850 kg *10,700 lb	4100 kg 9,100 lb			*5700 kg *12,500 lb	5100 kg 11,300 lb						
4.6 m 15'	4900 kg 10,800 lb	3300 kg 7,300 lb			*6350 kg *14,000 lb	4950 kg 10,900 lb	*7450 kg *16,500 lb	*7450 kg *16,500 lb	*10600 kg *23,400 lb	*10600 kg *23,400 lb		
3.0 m 10'	4400 kg 9,700 lb	2950 kg 6,500 lb	4750 kg 10,400 lb	3200 kg 7,000 lb	6900 kg 15,200 lb	4650 kg 10,300 lb	*9650 kg *21,300 lb	7100 kg 15,700 lb				
1.5 m 5'	4250 kg 9,400 lb	2800 kg 6,200 lb	4600 kg 10,200 lb	3050 kg 6,800 lb	6600 kg 14,600 lb	4400 kg 9,700 lb	10500 kg 23,100 lb	6700 kg 14,800 lb				
0 m 0'	4400 kg 9,700 lb	2900 kg 6,400 lb	4550 kg 10,000 lb	3000 kg 6,600 lb	6400 kg 14,200 lb	4200 kg 9,300 lb	10200 kg 22,500 lb	6450 kg 14,200 lb				
-1.5 m -5'	4900 kg 10,800 lb	3250 kg 7,100 lb			6350 kg 14,100 lb	4150 kg 9,200 lb	10200 kg 22,500 lb	6450 kg 14,200 lb	*13950 kg *30,800 lb	12900 kg 28,400 lb		
-3.0 m -10'	6200 kg 13,700 lb	4100 kg 9,100 lb			6500 kg 14,300 lb	4300 kg 9,400 lb	10400 kg 22,900 lb	6600 kg 14,600 lb	*16750 kg *36,900 lb	13250 kg 29,200 lb		
-4.6 m -15'	*8900 kg *19,500 lb	6800 kg 15,000 lb					*9100 kg *20,100 lb	7000 kg 15,500 lb				

PC220-8													Arm: 2500 mm 8'2"				Bucket: 1.0 m³ 1.31 yd³				Shoe: 600 mm 24" triple grouser			
A B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'													
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs				
7.6 m 25'	*4950 kg *11,000 lb	*4950 kg *11,000 lb			*5000 kg *11,100 lb	*5000 kg *11,100 lb																		
6.1 m 20'	*4750 kg *10,500 lb	3750 kg 8,300 lb			*5100 kg *11,300 lb	*5100 kg *11,300 lb																		
4.6 m 15'	4550 kg 10,000 lb	3100 kg 6,800 lb	4950 kg 10,900 lb	3350 kg 7,400 lb	*5850 kg *12,900 lb	5050 kg 11,100 lb	*6650 kg *14,700 lb	*6650 kg *14,700 lb																
3.0 m 10'	4100 kg 9,100 lb	2750 kg 6,100 lb	4800 kg 10,600 lb	3250 kg 7,200 lb	*6950 kg *15,300 lb	4750 kg 10,500 lb	*9000 kg *19,900 lb	7500 kg 16,600 lb																
1.5 m 5'	3950 kg 8,700 lb	2600 kg 5,800 lb	4650 kg 10,300 lb	3100 kg 6,900 lb	6700 kg 14,800 lb	4450 kg 9,900 lb	10700 kg 23,600 lb	6900 kg 15,200 lb																
0 m 0'	4050 kg 9,000 lb	2700 kg 5,900 lb	4550 kg 10,000 lb	3000 kg 6600 lb	6450 kg 14,300 lb	4250 kg 9,400 lb	10300 kg 22,800 lb	6550 kg 14,500 lb	*7850 kg *17,300 lb	*7850 kg *17,300 lb														
-1.5 m -5'	4500 kg 9,900 lb	2950 kg 6,500 lb	4500 kg 10,000 lb	3000 kg 6,600 lb	6400 kg 14,100 lb	4200 kg 9,200 lb	10200 kg 22,500 lb	6450 kg 14,300 lb	*13400 kg *29,500 lb	12850 kg 28,300 lb	*8650 kg *19,000 lb	*8650 kg *19,000 lb												
-3.0 m -10'	5500 kg 12,100 lb	3650 kg 8,000 lb			6450 kg 14,200 lb	4250 kg 9,300 lb	10350 kg 22,800 lb	6550 kg 14,500 lb	*17900 kg *39,500 lb	13100 kg 28,900 lb	*14150 kg *31,200 lb	*14150 kg *31,200 lb												
-4.6 m -15'	8350 kg 18,400 lb	5500 kg 12,100 lb					*10250 kg *22,600 lb	6650 kg 14,700 lb	*14950 kg *32,900 lb	13650 kg 30,100 lb														

PC220-8												
Arm: 3045 mm 10'0"				Bucket: 1.0 m³ 1.31 yd³				Shoe: 600 mm 24" triple grouser				
A B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	*3150 kg *7,000 lb	*3150 kg *7,000 lb			*4300 kg *9,500 lb	*4300 kg *9,500 lb						
6.1 m 20'	*3050 kg *6,700 lb	*3050 kg *6,700 lb	*4050 kg *8,900 lb	3500 kg 7,800 lb	*4500 kg *9,900 lb	*4500 kg *9,900 lb						
4.6 m 15'	*3050 kg *6,700 lb	2750 kg 6,000 lb	5050 kg 11,100 lb	3450 kg 7,600 lb	*5250 kg *11,600 lb	5200 kg 11,400 lb						
3.0 m 10'	*3250 kg *7,100 lb	2450 kg 5,400 lb	4900 kg 10,800 lb	3350 kg 7,400 lb	*6450 kg *14,200 lb	4900 kg 10,800 lb	*8150 kg *17,900 lb	7800 kg 17,200 lb	*12850 kg *28,300 lb	*12850 kg *28,300 lb		
1.5 m 5'	*3550 kg *7,800 lb	2350 kg 5,200 lb	4750 kg 10,400 lb	3200 kg 7,000 lb	6850 kg 15,100 lb	4600 kg 10,100 lb	*10550 kg *23,300 lb	7150 kg 15,700 lb	*7400 kg *16,300 lb	*7400 kg *16,300 lb		
0 m 0'	3650 kg 8,100 lb	2400 kg 5,300 lb	4600 kg 10,100 lb	3050 kg 6,700 lb	6550 kg 14,500 lb	4350 kg 9,600 lb	10500 kg 23,200 lb	6700 kg 14,800 lb	*8400 kg *18,500 lb	*8400 kg *18,500 lb		
-1.5 m -5'	4000 kg 8,800 lb	2600 kg 5,800 lb	4550 kg 10,000 lb	3000 kg 6,600 lb	6450 kg 14,200 lb	4200 kg 9,300 lb	10300 kg 22,700 lb	6550 kg 14,400 lb	*12000 kg *26,400 lb	*12000 kg *26,400 lb	*7450 kg *16,400 lb	*7450 kg *16,400 lb
-3.0 m -10'	4700 kg 10,400 lb	3100 kg 6,900 lb			6400 kg 14,200 lb	4200 kg 9,300 lb	10350 kg 22,800 lb	6550 kg 14,400 lb	*17300 kg *38,100 lb	13100 kg 28,900 lb	*11150 kg *25500 lb	*11150 kg *25,500 lb
-4.6 m -15'	6500 kg 14,300 lb	4300 kg 9,500 lb			6600 kg 14,500 lb	4350 kg 9,600 lb	10550 kg 23,300 lb	6750 kg 14,900 lb	*16550 kg *36,500 lb	13500 kg 29,800 lb		

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY WITH LIFTING MODE



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

Conditions:
● 5850 mm 19'2" one-piece boom

PC220LC-8												Arm: 2000 mm 6'7"		Bucket: 1.0 m³ 1.31 yd³		Shoe: 700 mm 28" triple grouser	
B \ A	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'						
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs					
7.6 m 25'	*5150 kg *11,400 lb	*5150 kg *11,400 lb															
6.1 m 20'	*4850 kg *10,700 lb	4750 kg 10,500 lb			*5700 kg *12,500 lb	*5700 kg *12,500 lb											
4.6 m 15'	*4900 kg *10,800 lb	3850 kg 8,500 lb			*6350 kg *14,000 lb	5700 kg 12,500 lb	*7450 kg *16,500 lb	*7450 kg *16,500 lb	*10600 kg *23,400 lb	*10600 kg *23,400 lb							
3.0 m 10'	*5200 kg *11,500 lb	3450 kg 7,600 lb	*5800 kg *12,800 lb	3700 kg 8,200 lb	*7350 kg *16,300 lb	5400 kg 11,900 lb	*9650 kg *21,300 lb	8300 kg 18,300 lb									
1.5 m 5'	5200 kg 11,500 lb	3300 kg 7,300 lb	5650 kg 12,500 lb	3600 kg 7,900 lb	8150 kg 18,000 lb	5100 kg 11,300 lb	*11750 kg *25,900 lb	7850 kg 17,300 lb									
0 m 0'	5400 kg 11,900 lb	3400 kg 7,500 lb	5600 kg 12,300 lb	3500 kg 7,700 lb	7950 kg 17,500 lb	4950 kg 10,900 lb	*12700 kg *28,000 lb	7600 kg 16,800 lb									
-1.5 m -5'	6050 kg 13,300 lb	3800 kg 8,400 lb			7900 kg 17,400 lb	4900 kg 10,800 lb	*12700 kg *28,000 lb	7600 kg 16800 lb	*13950 kg *30,800 lb	*13950 kg *30,800 lb							
-3.0 m -10'	7650 kg 16,600 lb	4800 kg 10,600 lb			8050 kg 17,700 lb	5000 kg 11,100 lb	*11800 kg *26,100 lb	7750 kg 17,100 lb	*16750 kg *36,900 lb	15850 kg 34,900 lb							
-4.6 m -15'	*8900 kg *19,600 lb	7950 kg 17,500 lb					*9100 kg *20,100 lb	8200 kg 18,000 lb									

PC220LC-8													Arm: 2500 mm 8'2"		Bucket: 1.0 m³ 1.31 yd³		Shoe: 700 mm 28" triple grouser	
A B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'							
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs						
7.6 m 25'	*4950 kg *11,000 lb	*4950 kg *11,000 lb			*5000 kg *11,100 lb	*5000 kg *11,100 lb												
6.1 m 20'	*4750 kg *10,500 lb	4350 kg 9,600 lb			*5100 kg *11,300 lb	*5100 kg *11,300 lb												
4.6 m 15'	*4850 kg *10,700 lb	3600 kg 7,900 lb	*5500 kg *12,200 lb	3900 kg 8,600 lb	*5850 kg *12,900 lb	5800 kg 12,800 lb	*6650 kg *14,700 lb	*6650 kg *14,700 lb										
3.0 m 10'	5050 kg 11,100 lb	3250 kg 7,100 lb	5900 kg 13,000 lb	3800 kg 8,400 lb	*6950 kg *15,300 lb	5500 kg 12,100 lb	*9000 kg *19,900 lb	8700 kg 19,200 lb										
1.5 m 5'	4850 kg 10,800 lb	3100 kg 5,800 lb	5700 kg 12,600 lb	3650 kg 8,000 lb	*8100 kg *17,900 lb	5200 kg 11,500 lb	*11200 kg *24,800 lb	8050 kg 17,800 lb										
0 m 0'	5000 kg 11,100 lb	3150 kg 7,000 lb	5600 kg 12,400 lb	3550 kg 7,800 lb	8000 kg 17,600 lb	5000 kg 11,000 lb	*12500 kg *27,600 lb	7700 kg 17,000 lb	*7850 kg *17,300 lb	*7850 kg *17,300 lb								
-1.5 m -5'	5550 kg 12,200 lb	3500 kg 7,700 lb	5550 kg 12,300 lb	3500 kg 7,700 lb	7900 kg 17,400 lb	4900 kg 10,800 lb	*12850 kg *28,300 lb	7650 kg 16,800 lb	*13400 kg *29,500 lb	*13400 kg *29,500 lb	*8650 kg *19,000 lb	*8650 kg *19,000 lb						
-3.0 m -10'	6800 kg 14,900 lb	4250 kg 9,400 lb			7950 kg 17,600 lb	4950 kg 10,900 lb	*12300 kg *27,100 lb	7700 kg 17,000 lb	*17900 kg *39,500 lb	15700 kg 34,700 lb	*14150 kg *31,200 lb	*14150 kg *31,200 lb						
-4.6 m -15'	*8750 kg *19,300 lb	6400 kg 14,100 lb					*10250 kg *22,600 lb	7800 kg 17,200 lb	*14950 kg *32,900 lb	*14950 kg *32,900 lb								

PC220LC-8													Arm: 3045 mm 10'0"		Bucket: 1.0 m³ 1.31 yd³		Shoe: 700 mm 28" triple grouser	
A B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'							
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs						
7.6 m 25'	*3150 kg *7,000 lb	*3150 kg *7,000 lb			*4300 kg *9,500 lb	*4300 kg *9,500 lb												
6.1 m 20'	*3050 kg *6,700 lb	*3050 kg *6,700 lb	*4050 kg *8,900 lb	*4050 kg *8,900 lb	*4500 kg *9,900 lb	*4500 kg 9,900 lb												
4.6 m 15'	*3050 kg *6,700 lb	*3050 kg *6,700 lb	*5050 kg *11,100 lb	4000 kg 8,800 lb	*5250 kg *11,600 lb	*5250 kg *11,600 lb												
3.0 m 10'	*3250 kg *7,100 lb	2900 kg 6,400 lb	*5650 kg *12,500 lb	3850 kg 8,500 lb	*6450 kg 14,200 lb	5650 kg 12,400 lb	*8150 kg *17,900 lb	*8150 kg *17,900 lb	*12850 kg *28,300 lb	*12850 kg *28,300 lb								
1.5 m 5'	*3550 kg *7,800 lb	2800 kg 6,200 lb	5800 kg 12,800 lb	3700 kg 8,200 lb	*7700 kg *17,000 lb	5350 kg 11,700 lb	*10550 kg *23,300 lb	8300 kg 18,300 lb	*7400 kg *16,300 lb	*7400 kg *16,300 lb								
0 m 0'	*4050 kg *9,000 lb	2850 kg 6,300 lb	5650 kg 12,500 lb	3600 kg 7,900 lb	8100 kg 17,900 lb	5100 kg 11,200 lb	*12200 kg *26,900 lb	7900 kg 17,400 lb	*8400 kg *18,500 lb	*8400 kg *18,500 lb								
-1.5 m -5'	4900 kg 10,800 lb	3100 kg 6,800 lb	5600 kg 12,300 lb	3500 kg 7,800 lb	7950 kg 17,500 lb	4950 kg 10,900 lb	*12900 kg *28,400 lb	7700 kg 17,000 lb	*12000 kg *26,400 lb	12000 kg 26,400 lb	*7450 kg *16,400 lb	*7450 kg *16,400 lb						
-3.0 m -10'	5800 kg 12,800 lb	3650 kg 8,100 lb			7950 kg 17,500 lb	4950 kg 10,900 lb	*12700 kg *28,000 lb	7750 kg 17,000 lb	*17300 kg *38,100 lb	15700 kg 34,600 lb	*11500 kg *25,500 lb	*11500 kg *25,500 lb						
-4.6 m -15'	*7950 kg *17,600 lb	5050 kg 11,100 lb			*8100 kg *17,800 lb	5100 kg 11,300 lb	*11350 kg *25,100 lb	7950 kg 17,500 lb	*16550 kg *36,500 lb	16150 kg 35,600 lb								



STANDARD EQUIPMENT

- Alternator, 35 Ampere, 24 V
- Auto-decel
- Automatic engine warm-up system
- Batteries, 110 Ah/2 x 12 V
- Boom holding valve
- Counterweight
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-1
- Engine overheat prevention system
- Fan guard structure
- Hydraulic track adjusters (each side)
- Multi-function color monitor
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dust proof net
- Rear reflector
- Rearview mirrors (RH, LH, rear, sidewise)
- ROPS cab (ISO 12117-2)
- Slip-resistant Plates
- Starting motor, 4.5 kW/24 V x 1
- Suction fan
- Track guiding guard, center section
- Track roller
 - PC220-8, 8 each side
 - PC220LC-8, 10 each side
- Track shoe
 - PC220-8, **600 mm** 24" triple grouser
 - PC220LC-8, **700 mm** 28" triple grouser
- Travel alarm
- Working light, 2 (boom and RH)
- Working mode selection system



OPTIONAL EQUIPMENT

- Additional filter system for poor-quality fuel
- Air conditioner with defroster
- Alternator, 60 ampere, 24 v
- Arms
 - 3045 mm** 10'0" arm assembly
 - 2500 mm** 8'2" arm assembly
 - 2000 mm** 6'7" arm assembly
- Batteries, large capacity
- Bolt-on top guard, [Operator Protective Guards level 2]
- Boom, **5850 mm** 19'2"
- Cab accessories
 - Rain visor
 - Sun visor
- Cab front guard
 - Full height guard
 - Half height guard
- Heater with defroster
- Long lubricating intervals for work equipment bushing (500 hours)
- Rear view monitoring system
- Seat belt, retractable
- Seat, suspension
- Service valve
- Shoes, triple grouser
 - PC220-8:
 - 700 mm** 28", **800 mm** 31.5"
 - PC220LC-8: **600 mm** 24", **800 mm** 31.5", **900 mm** 35.5"
- Track frame undercover
- Track roller guards (full length)
- Working lights
 - 2 on cab
 - 1 on counterweight



SPECIAL PURPOSE BUCKET

- **Ditch cleaning bucket**
 - Capacity
 - SAE heaped **0.80 m³** 1.05 yd³
 - CECE heaped **0.70 m³** 0.92 yd³
 - Width **1800 mm** 70.9"
- **Slope finishing bucket** for scraping slopes of banks
 - Capacity
 - SAE heaped **0.4 m³** 0.52 yd³
 - CECE heaped **0.35 m³** 0.46 yd³
 - Width **2000 mm** 78.7"
- **Trapezoidal bucket** is ideal for digging ditches and for drainage works
 - Capacity
 - SAE heaped **0.7 m³** 0.92 yd³
 - CECE heaped **0.5 m³** 0.65 yd³
- **Ripper bucket** for hard and rocky ground
 - Capacity
 - SAE heaped **0.62 m³** 0.81 yd³
 - CECE heaped **0.56 m³** 0.73 yd³
 - Width **990 mm** 39.0"
- **Single-shank ripper** and **three-shank ripper** are recommended for rock-digging and crushing, hard soil digging, pavement-removal works, etc.

KOMATSU[®]