

KOMATSU®

PC220LC-8

FLYWHEEL HORSEPOWER
125 kW **168 HP** @ 2000 rpm

OPERATING WEIGHT
24634–24914 kg
54,309–54,926 lb

BUCKET CAPACITY
0.58–1.41 m³ **0.76–1.85 yd³**

PC
220
LC



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 PC220LC-7).

- ***Low Emission Engine***

A powerful, turbocharged and air-to-air aftercooled 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 PC220LC-7, realizing a low noise operation.

General Features

- New cab design gains reinforced strength
- Slip-resistant plates for improved foot traction
- Large side-view, sidewise, and rear mirrors added
- Rear view camera system for viewing the work area to rear of the machine on the monitor panel (optional)
- OPG top guard level 2 capable with optional bolt-on top guard
- High visibility cab with two (2) front, one (1) side and one (1) rear mirrors



Large TFT LCD Monitor

- Easy-to-view and use 7" large multi-color monitor
- Can be displayed in ten (10) languages for global support.

TFT : Thin Film Transistor
LCD : Liquid Crystal Display



KOMTRAX equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.

Large Comfortable Cab

- Exceptionally low-noise cab
- Low vibration with cab damper mounting
- Highly pressurized cab with automatic air conditioner
- Operator seat and console with armrest that enables operations in the appropriate operational posture

Easy Maintenance

- Extended 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 a 10 micron 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
- Equipped with KOMTRAX

FLYWHEEL HORSEPOWER

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0.58 – 1.41 m³

0.76 – 1.85 yd³



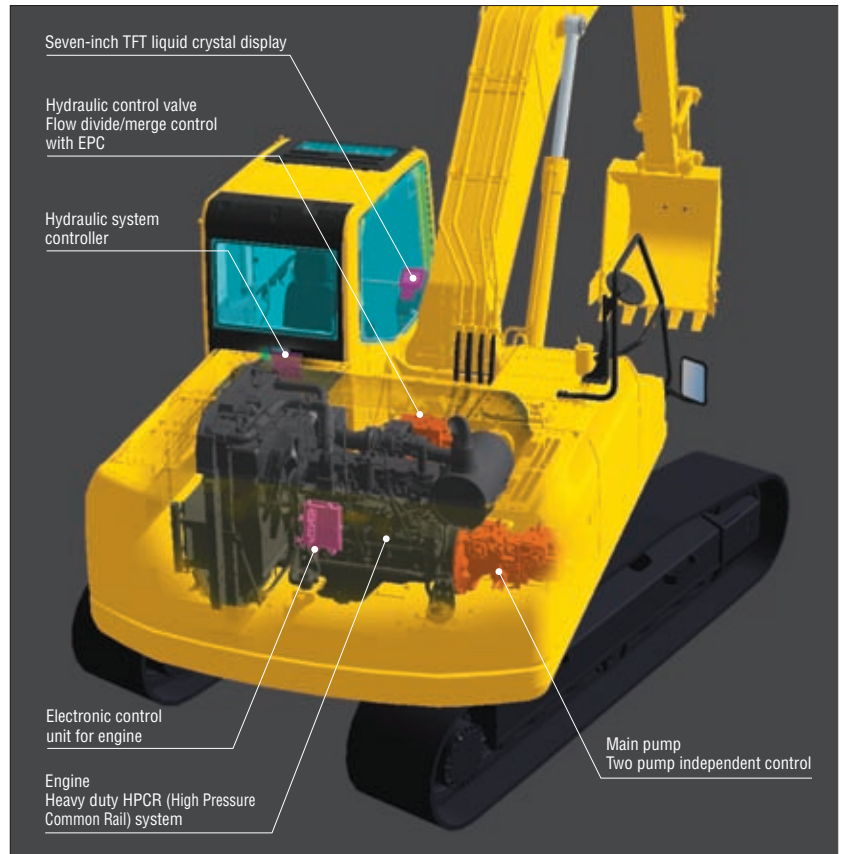
Photo may include optional equipment.

ECOLOGY & ECONOMY FEATURES

ecot3

ecology & economy - technology 3

Komatsu's new "ecot3" engines are designed to deliver optimum performance under the toughest of conditions, while meeting the latest environmental regulations. This engine is EPA, EU Stage 3A and Japan emissions certified; "ecot3" - ecology and economy combined with Komatsu technology to create a high performance engine without sacrificing power or productivity.



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 PC220LC-7 at P mode and 100% working efficiency.

Low Emission Engine

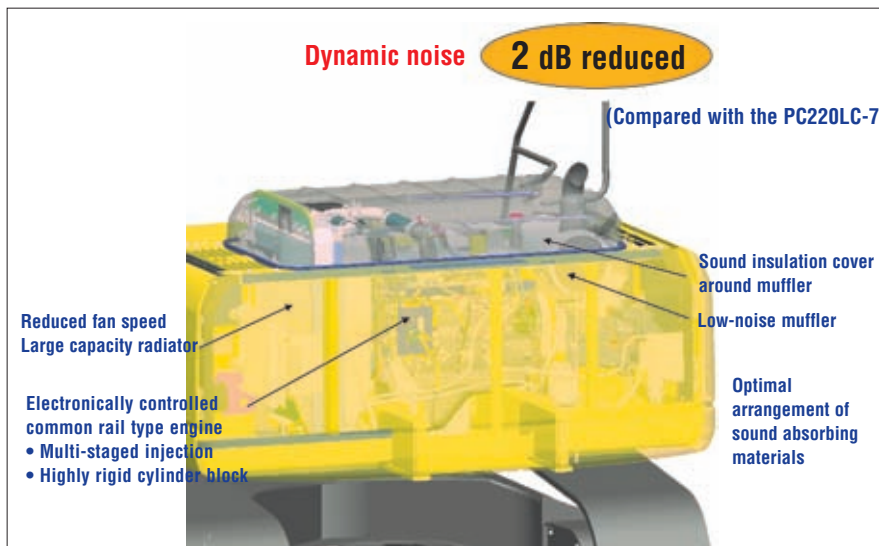
Komatsu SAA6D107E-1 engine is EPA Tier 3 and EU stage 3A emissions certified and reduces NOx emission by 29% compared with the PC220LC-7.



ecot3
ecology & economy - technology 3

Low Operational Noise

Enables low noise operation using the low-noise emitting engine and methods to reduce the noise at source.



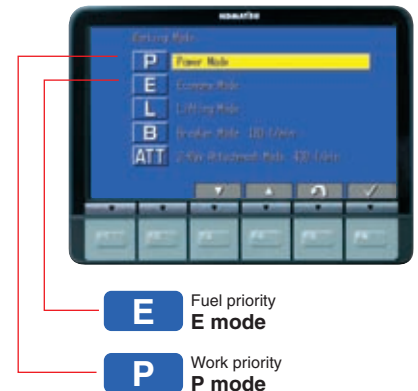
Working Modes Selectable

Two established work modes are further improved.

P mode – Power or work priority mode has improved fuel consumption, while maintaining fast equipment speed and maximum production.

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 workloads.



Eco-Gauge that Assists Energy-Saving Operations

Equipped with the Eco-gauge that can be recognized at glance on the right of the multi-monitor for environment-friendly energy-saving operations. Allows the operator to maintain work in the green zone and reduce fuel consumption and exhaust emissions.

Idling Caution

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



Eco-gauge

WORKING ENVIRONMENT

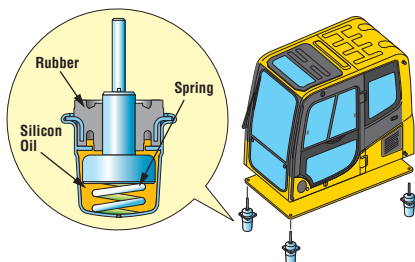


Low Cab Noise

The newly-designed cab is highly rigid and has excellent sound absorption ability. Through improvement of noise source reduction and use of a low noise engine, hydraulic equipment, and air conditioner allows this machine to generate a low level of noise similar to that of a modern automobile.

Low Vibration with Cab Damper Mounting

PC220LC-8 uses multi-layer viscous mount system that incorporates a 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 high-back 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.

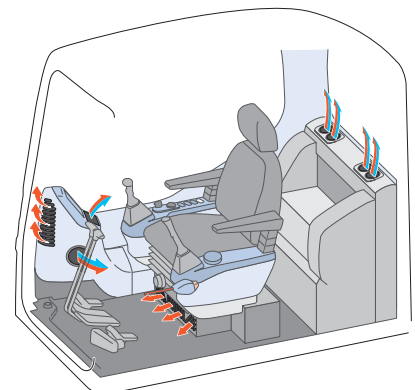


Pressurized Cab

Automatic 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

Enables you to easily and precisely set cab temperature with the simple touch pad controls on the large LCD. The bi-level control function keeps the inside of the cab comfortable from top to bottom throughout the year. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps cab glass clear.



Large LCD Color Monitor

Large Multi-Lingual Liquid Crystal Display (LCD) Monitor

A large user-friendly color monitor enables accurate and smooth work. Improved screen visibility is achieved by 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 10 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 Travel speed 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/power ● Fast 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, 1 way
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.

Equipment Management Monitoring System (EMMS)

Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge and air filter 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.

GENERAL FEATURES

New Cab Design for Hydraulic Excavators

The cab is designed specifically for hydraulic excavators and gains reinforced strength from the pipe-structured cab framework. The cab framework provides the high durability and impact resistance with very high impact absorbency.



Lock Lever

Makes all hydraulic cab controls inoperable. Neutral start function only allows machine to be started in lock position.



Large Side-View, Rear, and Sidewise Mirrors

Enlarged left side mirror and the addition of rear and side mirrors.



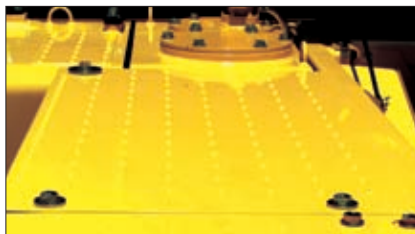
Thermal and Fan Guards

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



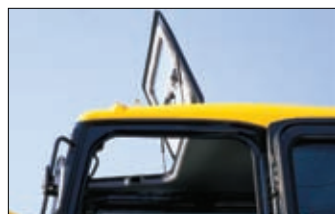
Slip Resistant Plates

Durable slip resistant plates maintain foot traction performance for the long term.



Skylight

Skylight with window can be opened to improve overhead visibility.



MAINTENANCE FEATURES

Side-by-Side Cooling Modules

Since radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them. Radiator, aftercooler, and oil coolers made of aluminum have a 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)

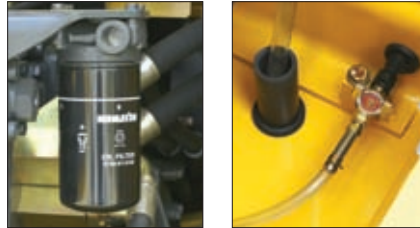


Washable Cab Floormat

The PC220LC-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

Provides for easier and cleaner engine oil changes.



Large-Capacity Fuel Tank with Rustproof Treatment

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

Sloping Track Frame

Reduces 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.



Hydraulic oil filter (Eco-white element)

Engine oil & Engine oil filter every 500 hours

Hydraulic oil every 5000 hours

Hydraulic oil filter every 1000 hours

Air Conditioner Filter

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



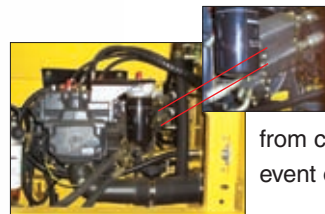
Internal air conditioner filter



External air conditioner filter

High-Pressure In-Line Filters

The PC220LC-8 has high pressure in-line filters installed at the pump discharge ports. This protects the hydraulic system from contamination due to the unlikely event of a pump failure.



Extended Work Equipment Greasing Interval

High quality BMRC bushings and resin shims are installed in the work equipment excluding bucket, extending greasing interval to 500 hours.

PC220LC-8 HYDRAULIC EXCAVATOR

SPECIFICATIONS



ENGINE

Model Komatsu SAA6D107E-1
 Type Water-cooled, 4-cycle, direct injection
 Aspiration Turbocharged and aftercooled
 Number of cylinders 6
 Bore 107 mm **4.21"**
 Stroke 124 mm **4.88"**
 Piston displacement 6.69 ltr **408 in³**
 Horsepower
 SAE J1995 Gross 134 kW **179 HP**
 ISO 9249/SAE J1349 Net 125 kW **168 HP**
 Rated rpm 2000 rpm
 Fan drive type Mechanical
 Governor All-speed, electronic
 EPA Tier 3 and EU stage 3A emissions certified.



HYDRAULIC SYSTEM

Type HydraMind
 (Hydraulic Mechanical Intelligence New Design)
 closed-center system with load sensing
 valves and pressure compensated valves
 Number of selectable working modes 5
 Main pump:
 Type Variable displacement piston type
 Pumps for Boom, arm, bucket, swing, and travel circuits
 Maximum flow 439 ltr/min **116 U.S. gal/min**
 Supply for control circuit Self-reducing valve
 Hydraulic motors:
 Travel 2 x axial piston motors with parking brake
 Swing 1 x axial piston motor with swing holding brake
 Relief valve setting:
 Implement circuits 37.3 MPa 380 kg/cm² **5,400 psi**
 Travel circuit 37.3 MPa 380 kg/cm² **5,400 psi**
 Swing circuit 29.9 MPa 295 kg/cm² **4,190 psi**
 Pilot circuit 3.2 MPa 33 kg/cm² **470 psi**
 Hydraulic cylinders:
 Number of cylinders—bore x stroke x rod diameter
 Boom 2 – 135 mm x 1335 mm x 90 mm **5.3" 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 1-130 mm x 1020 mm x 90 mm **5.1" x 40.2" x 3.5"**



DRIVES AND BRAKES

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**
 Low 3.1 km/h **1.9 mph**
 Service brake Hydraulic lock
 Parking brake Mechanical disc brake



SWING SYSTEM

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
 Swing torque 8065 kg•m **58,334 ft. lbs.**



UNDERCARRIAGE

Center frame X-frame
 Track frame Box-section
 Track type Sealed track
 Track adjuster Hydraulic
 No. of shoes 51 each side
 No. of carrier rollers 2 each side
 No. of track rollers 10 each side



COOLANT AND LUBRICANT CAPACITY (REFILLING)

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 (APPROXIMATE)

Operating weight, including 5850 mm **19'2"** one-piece boom, 3045 mm **10'0"** arm, SAE heaped 1.2 m³ **1.57 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
700 mm 28"	24634 kg 54,309 lb	0.43 kg/cm ² 6.08 psi
800 mm 31.5"	24914 kg 54,926 lb	0.38 kg/cm ² 5.38 psi



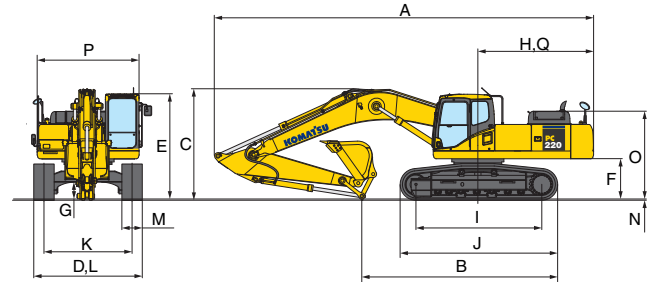
WORKING FORCES

	Arm	3045 mm 10'0"	3500 mm 11'6"
SAE rating	Bucket digging force at power max.	15500 kgf 34,170 lb	15500 kgf 34,170 lb
	Arm crowd force at power max.	12100 kgf 26,680 lb	10900 kgf 24,030 lb
ISO rating	Bucket digging force at power max.	17500 kgf 38,580 lb	17500 kgf 38,580 lb
	Arm crowd force at power max.	13200 kgf 29,100 lb	11200 kgf 24,690 lb



DIMENSIONS

	Arm Length	3045 mm	10'0"	3505 mm	11'6"
A	Overall length	9885 mm	32'5"	9910 mm	32'6"
B	Length on ground (transport):	5390 mm	17'8"	4950 mm	16'3"
C	Overall height (to top of boom)	3185 mm	10'5"	3270 mm	10'9"
D	Overall width	3380 mm	11'1"	3380 mm	11'1"
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	3845 mm	12'7"	3845 mm	12'7"
J	Track length	4640 mm	15'3"	4640 mm	15'3"
K	Track gauge	2580 mm	8'6"	2580 mm	8'6"
L	Width of crawler	3380 mm	11'1"	3380 mm	11'1"
M	Shoe width	800 mm	31.5"	800 mm	31.5"
N	Grouser height	25 mm	1.0"	25 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"



BACKHOE BUCKET, ARM, AND BOOM COMBINATION

Bucket Type	Bucket			Arms		
	Capacity	OLW	Weight	3045 mm 10'0"	3505 mm 11'6"	
Komatsu GSK	0.58 m ³	0.76 yd ³	610 mm 24"	765 kg 1,686 lb	V	V
	0.78 m ³	1.02 yd ³	762 mm 30"	774 kg 1,707 lb	V	V
	0.99 m ³	1.29 yd ³	914 mm 36"	869 kg 1,915 lb	V	V
	1.20 m ³	1.57 yd ³	1067 mm 42"	949 kg 2,092 lb	W	W
	1.41 m ³	1.85 yd ³	1219 mm 48"	1045 kg 2,304 lb	X	Y
Komatsu HP	0.58 m ³	0.76 yd ³	610 mm 24"	812 kg 1,791 lb	V	V
	0.78 m ³	1.02 yd ³	762 mm 30"	931 kg 2,053 lb	V	V
	0.99 m ³	1.29 yd ³	914 mm 36"	1054 kg 2,323 lb	V	V
	1.20 m ³	1.57 yd ³	1067 mm 42"	1154 kg 2,545 lb	X	X
	1.41 m ³	1.85 yd ³	1219 mm 48"	1278 kg 2,817 lb	Y	Y
Komatsu HPS	0.58 m ³	0.76 yd ³	610 mm 24"	870 kg 1,917 lb	V	V
	0.78 m ³	1.02 yd ³	762 mm 30"	1020 kg 2,248 lb	V	V
	0.99 m ³	1.29 yd ³	914 mm 36"	1162 kg 2,562 lb	V	W
	1.20 m ³	1.57 yd ³	1067 mm 42"	1282 kg 2,827 lb	X	X
	1.41 m ³	1.85 yd ³	1219 mm 48"	1425 kg 3,142 lb	Y	Y
Komatsu HPX	0.58 m ³	0.76 yd ³	610 mm 24"	987 kg 2,177 lb	V	V
	0.78 m ³	1.02 yd ³	762 mm 30"	1138 kg 2,508 lb	V	V
	0.99 m ³	1.29 yd ³	914 mm 36"	1280 kg 2,822 lb	W	W
	1.20 m ³	1.57 yd ³	1067 mm 42"	1400 kg 3,087 lb	X	Y
	1.41 m ³	1.85 yd ³	1219 mm 48"	1543 kg 3,402 lb	Y	Z

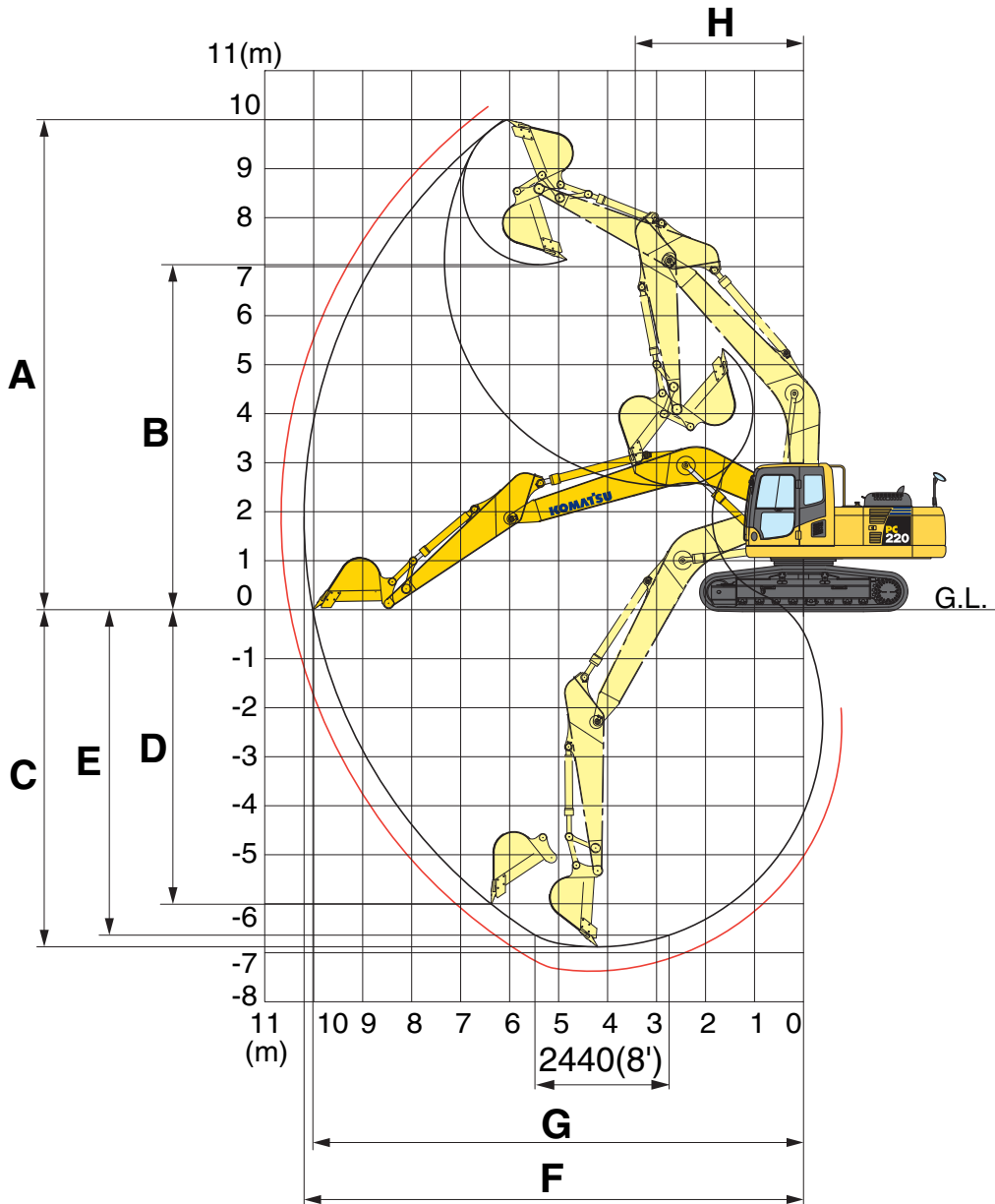
V – Used with weights up to 3,500 lb/yd³, W – Used with weights up to 3,000 lb/yd³

X – Used with weights up to 2,500 lb/yd³, Y – Used with weights up to 2,000 lb/yd³, Z – Not useable

WORKING RANGES



WORKING RANGE

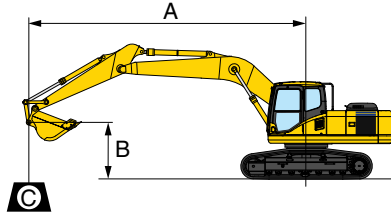


	Arm	3045 mm	10'0"	3500 mm	11'6"
A	Max. digging height	10000 mm	32'10"	10300 mm	33'10"
B	Max. dumping height	7035 mm	23'1"	7360 mm	24'2"
C	Max. digging depth	6920 mm	22'8"	7320 mm	24'0"
D	Max. vertical wall digging depth	6010 mm	19'9"	6230 mm	20'5"
E	Max. digging depth of cut for 8° level	6700 mm	22'0"	7150 mm	23'5"
F	Max. digging reach	10180 mm	33'5"	10580 mm	34'8"
G	Max. digging reach at ground level	10020 mm	32'10"	10420 mm	34'2"
H	Min. swing radius	3450 mm	11'4"	3340 mm	10'11"

LIFTING CAPACITIES



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:

- Arm: 3045 mm 10'0"
- Boom length 5850 mm 19'2"
- Bucket 1.0 m³ 1.31 yd³ (SAE heaped)
- Bucket weight: 734 kg 1,620 lb.
- Lifting mode: On

PC220LC-8 Shoe 700 mm 28"												Unit: kg/lb	
A \ B	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		☉ MAX		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7.6 m 25'							*4750	*4750			*3150	*3150	
							*10,500	*10,500			*7,000	*7,000	
6.1 m 20'							*4950	*4950	*4050	*4050	*3050	*3050	
							*10,900	*10,900	*8,900	*8,900	*6,700	*6,700	
4.6 m 15'							*5800	*5800	*5600	4000	*3050	*3050	
							*12,800	*12,800	*12,300	8,900	*6,700	*6,700	
3.0 m 10'			*14000	*14000	*8900	*8900	*7100	5650	6000	3900	*3200	2900	
			*30,900	*30,900	*19,700	*19,700	*15,600	12,500	13,200	8,600	*7,100	6,400	
1.5 m 5'			*7400	*7400	*11550	8300	8400	5350	5800	3700	*3550	2800	
			*16,300	*16,300	*25,500	18,300	18,500	11,800	12,800	8,200	*7,800	6,200	
0 m 0'			*8400	*8400	13200	7850	8100	5100	5650	3600	*4050	2850	
			*18,500	*18,500	29,100	17,400	17,900	11,200	12,500	7,900	*9,000	6,300	
-1.5 m -5'	*7450	*7450	*12000	*12000	13000	7700	7950	4950	5600	3500	4900	3100	
	*16,400	*16,400	*26,400	*26,400	28,700	17,000	17,600	10,900	12,300	7,800	10,800	6,800	
-3.0 m -10'	*11550	*11550	*17250	15650	13050	7700	7950	4950			5800	3650	
	*25,500	*25,500	*38,100	34,600	28,700	17,000	17,500	10,900			12,800	8,100	
-4.6 m -15'			*18100	16100	*12450	7900	8150	5100			8000	5050	
			*39,900	35,500	*27,500	17,500	17,900	11,300			17,700	11,100	

PC220LC-8 Shoe 800 mm 31.5"												Unit: kg/lb	
A \ B	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		☉ MAX		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7.6 m 25'							*4900	*4900			*3300	*3300	
							*10,850	*10,850			*7,350	*7,350	
6.1 m 20'							*5050	*5050	*3900	*3900	*3150	*3150	
							*11,150	*11,150	*8,650	*8,650	*7,000	*7,000	
4.6 m 15'							*5900	*5900	*5650	4050	*3200	*3200	
							*13,000	*13,000	*12,500	9,000	*7,100	*7,100	
3.0 m 10'			*14300	*14300	*9050	9050	*7150	5700	6050	3900	*3350	3000	
			*31,600	*31,600	*19,950	19,950	*15,800	12,550	13,350	8,650	*7,450	6,650	
1.5 m 5'			*7150	*7150	*11650	8300	8450	5350	5850	3750	*3700	2900	
			*15,800	*15,800	*25,700	18,400	18,650	11,850	12,950	8,300	*8,150	6,400	
0 m 0'			*8500	*8500	13300	7900	8150	5100	5700	3600	*4250	2950	
			*18,700	*18,700	29,300	17,400	18,050	11,300	12,650	8,000	*9,350	6,500	
-1.5 m -5'	*7700	*7700	*12250	*12250	13100	7700	8000	5000	5650	3550	5050	3200	
	*16,950	*16,950	*27,050	*27,050	28,900	17,050	17,700	11,000	12,500	7,850	11,200	7,050	
-3.0 m -10'	*11950	*11950	*17750	15750	13150	7750	8050	5000			6000	3800	
	*26,300	*26,300	*39,150	34,750	28,950	17,150	17,750	11,000			13,250	8,350	
-4.6 m -15'			*17850	16200	*12300	7950					8350	5250	
			*39,350	35,750	*27,150	17,600					18,450	11,550	

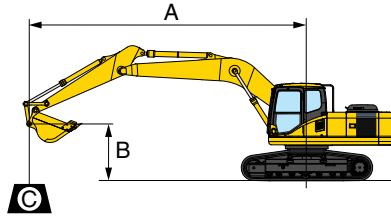
*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC220LC-8 HYDRAULIC EXCAVATOR

LIFTING CAPACITIES



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:

- Arm: 3500 mm 11'6"
- Boom length 5850 mm 19'2"
- Bucket 1.0 m³ 1.31 yd³ (SAE heaped)
- Bucket weight: 734 kg 1,620 lb.
- Lifting mode: On

PC220LC-8		Shoe 700 mm 28"										Unit: kg/lb	
B	A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'												*2550 *5,650	*2550 *5,650
6.1 m 20'										*3600 *8,000	*3600 *8,000	*2450 *5,500	*2450 *5,500
4.6 m 15'								*5250 *11,600	*5250 *11,600	*5100 *11,250	4000 8,850	*2550 *5,600	*2550 *5,600
3.0 m 10'				*11900 *26,250	*11900 *26,250	*8050 *17,750	*8050 *17,750	*6500 *14,400	5600 12,400	*5800 *12,850	3800 8,450	*2700 *6,000	*2700 *6,000
1.5 m 5'				*11550 *25,500	*11550 *25,500	*10650 *23,450	8100 17,850	*7950 *17,500	5250 11,550	5700 12,650	3650 8,050	*3000 *6,650	2650 5,850
0 m 0'		*4700 *10,400	*4700 *10,400	*10200 *22,450	*10200 *22,450	*12700 *28,100	7650 16,950	7950 17,600	4950 10,900	5550 12,250	3450 7,650	*3500 *7,800	2650 5,900
-1.5 m -5'		*7900 *17,450	*7900 *17,450	*12650 *27,950	*12650 *27,950	12700 28,050	7450 16,400	7750 17,150	4750 10,550	5450 12,050	3350 7,450	*4400 *9,750	2850 6,350
-3.0 m -10'		*11250 *24,850	*11250 *24,850	*16700 *36,850	15100 33,300	12700 28,050	7400 16,350	7750 17,100	4750 10,450			5450 12,050	3400 7,400
-4.6 m -15'		*15200 *33,550	*15200 *33,550	*18650 *41,150	15500 34,250	*12700 *28,000	7600 16,750	7900 17,400	4850 10,750			7400 16,300	4550 10,100

PC220LC-8		Shoe 800 mm 31.5"										Unit: kg/lb	
B	A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'												*2550 *5,650	*2550 *5,650
6.1 m 20'										*3600 *8,000	*3600 *8,000	*2450 *5,500	*2450 *5,500
4.6 m 15'								*5250 *11,600	*5250 *11,600	*5100 *11,250	4050 8,950	*2550 *5,600	*2550 *5,600
3.0 m 10'				*11900 *26,250	*11900 *26,250	*8050 *17,750	*8050 *17,750	*6500 *14,400	5650 12,550	*5800 *12,850	3850 8,550	*2700 *6,000	*2700 *6,000
1.5 m 5'				*11550 *25,500	*11550 *25,500	*10650 *23,450	8200 18,050	*7950 *17,500	5300 11,700	5800 12,800	3700 8,150	*3000 *6,650	2700 5,950
0 m 0'		*4700 *10,400	*4700 *10,400	*10200 *22,450	*10200 *22,450	*12700 *28,100	7750 17,150	8050 17,800	5000 11,050	5600 12,400	3500 7,800	*3500 *7,800	2700 6,000
-1.5 m -5'		*7900 *17,450	*7900 *17,450	*12650 *27,950	*12650 *27,950	12900 28,400	7500 16,600	7850 17,400	4850 10,650	5500 12,200	3400 7,550	*4400 *9,750	2900 6,450
-3.0 m -10'		*11250 *24,850	*11250 *24,850	*16700 *36,850	15300 33,700	12850 28,400	7500 16,600	7850 17,300	4800 10,600			5500 12,200	3400 7,600
-4.6 m -15'		*15200 *33,550	*15200 *33,550	*18650 *41,150	15700 34,650	*12700 *28,000	7700 16,950	8000 17,600	4900 10,900			7450 16,500	4650 10,250

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



STANDARD EQUIPMENT

- Alternator, 60 Ampere, 24V
- AM/FM radio
- Auto air conditioner with defroster
- Auto-Decel
- Automatic deaeration system for fuel line
- Automatic engine warm-up system
- Batteries, large capacity
- Boom and arm holding valve
- Cab
- Console mounted arm rests
- Counterweight 5050 kg **11,133 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-1
- Engine overheat prevention system
- Fan guard structure
- Fuel system pre-filter 10 micron
- High pressure in-line hydraulic filters
- Hydraulic track adjusters (each side)
- KOMTRAX™
- Mirrors (4)
- Multi-function color monitor
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dustproof net
- Revolving frame deck guard
- Revolving frame undercovers
- Seat belt, retractable 76 mm **3"**
- Seat, suspension, high back
- Service valve (1 additional)
- Shoes, triple grouser: 800 mm **31.5"**
- Slip resistant foot plates
- Starter motor 5.5 kW
- Track guiding guard, center section
- Travel alarm
- Working light, 2 (boom and RH)
- Working mode selection system



OPTIONAL EQUIPMENT

- Additional working lights
- Air ride suspension seat
- Arms
 - 3045 mm **10'0"** arm assembly
 - 3045 mm **10'0"** HD arm
 - 3045 mm **10'0"** HD arm assembly with piping
 - 3500 mm **11'6"** arm assembly
- Boom
 - 5850 mm **19'2"** boom
 - 5850 mm **19'2"** HD boom
 - 5850 mm **19'2"** HD boom with piping
- Cab front and top guards
- Converter, 12V
- Hydraulic control units
- Pattern change valve
- Rain visor
- Rear view camera
- Shoes, triple grouser: 700 mm **28"**
- Straight travel pedal
- Sun visor
- Track frame undercover
- Track roller guards (full length)



ATTACHMENT OPTIONS

- Genesis demolition tools
 - Hydraulic quick coupler
 - Quick release mounting pad
 - Severe duty grapple
 - Linkage shear
 - Mechanical processor
 - Concrete cracker
 - Hydraulic concrete processor
- JRB couplers (Smart-Loc, Roto-Loc)
 - Vandal protection guards
 - Swinger buckets
 - Boom cylinder guards
 - Window guards (Lexan, wire mesh)
 - Top window guard (wire mesh)
- Komatsu buckets
- Lincoln autolube systems
- PSM thumbs

For a complete line up of available attachments, please contact your local Komatsu distributor



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