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

HYDRAULIC EXCAVATOR

Photo may include optional equipment.

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 emission 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

• Innovative cab design
• Slip-resistant plates improving foot traction
• Rear view camera system for viewing the work area to rear of the machine on the monitor panel
• OPG top guard level 2 capable with optional bolt-on top guard
• High pressure in-line hydraulic filters

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™

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.

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125 kW **168 HP** @ 2000 rpm

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

BUCKET CAPACITY
0.58 – 1.41 m^3
0.76 – 1.85 yd^3

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

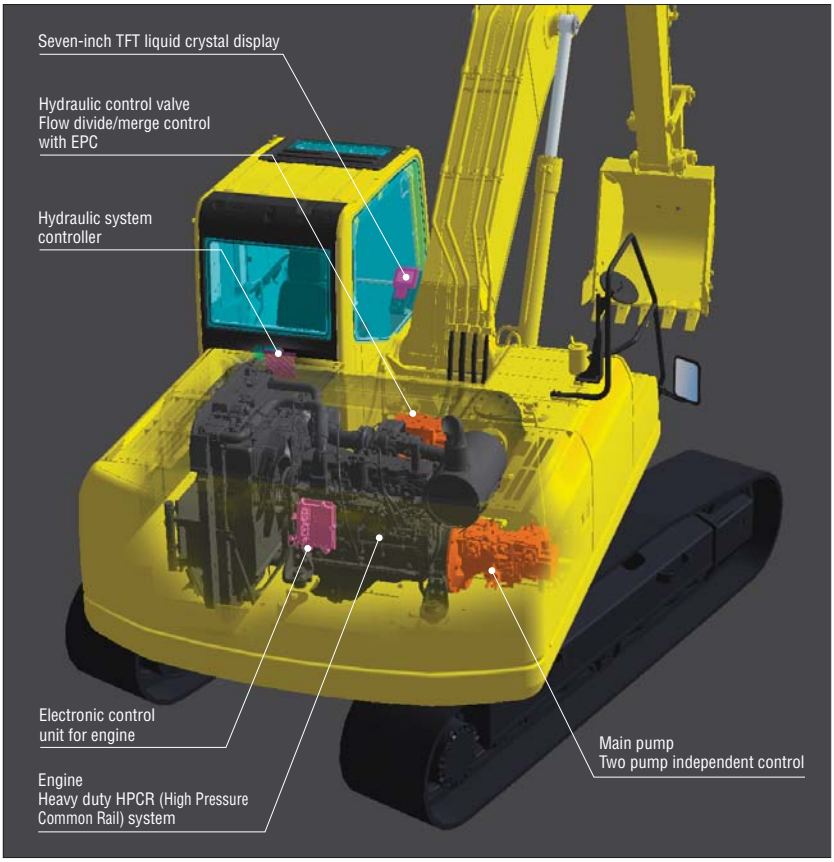
- Extended replacement interval of engine oil, engine oil filter, and hydraulic filter
- Remote mounted engine oil filter and fuel drain valve for easy access
- Equipped with a 10 micron fuel pre-filter as standard (with water separator)
- Side-by-side cooling concept enables individual cooling modules to be serviced
- Equipped with the EMMS monitoring system
- Equipped with KOMTRAX

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.

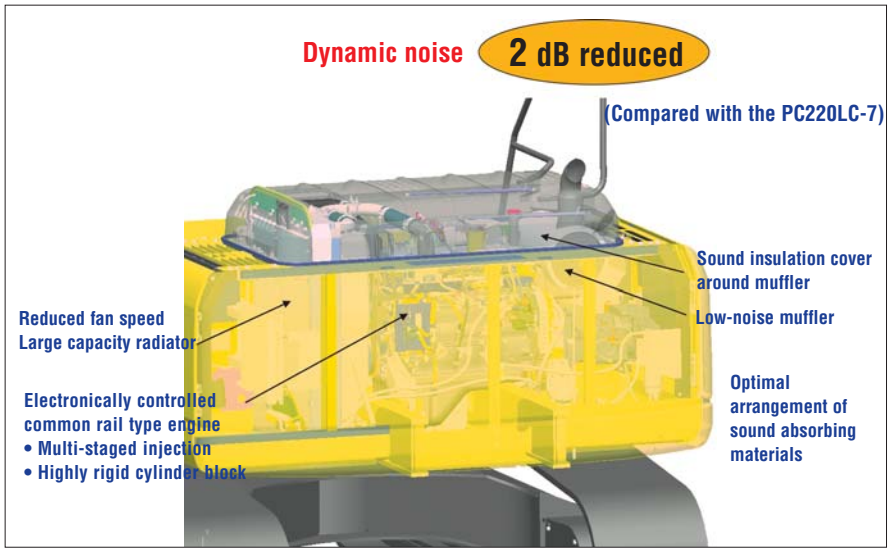
Low Emission Engine

Komatsu SAA6D107E-1 engine is EPA Tier 3 and EU stage 3A emission 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.



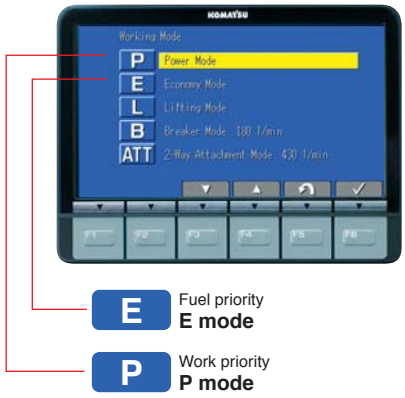
Working Modes Selectable

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.

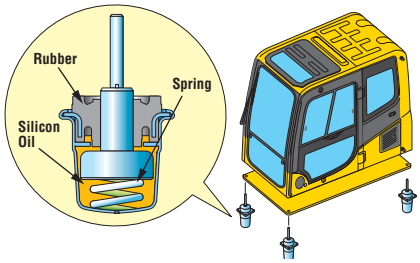
WORKING ENVIRONMENT

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.

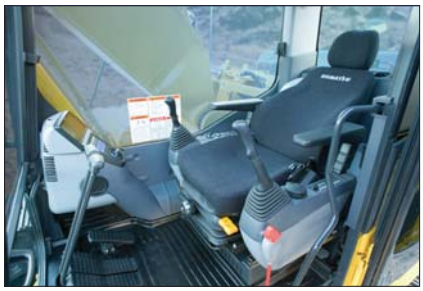
Low Vibration with Cab Damper Mounting

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.

Lock Lever

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

Large LCD Color Monitor

Large Multi-Lingual 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.

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	● Maximum production/power ● Fast cycle time
E	Economy mode	● Excellent fuel economy
L	Lifting mode	● Hydraulic pressure is increased by 7%
B	Breaker operation	● Optimum engine rpm, hydraulic flow, 1 way
ATT	Attachment mode	● 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.

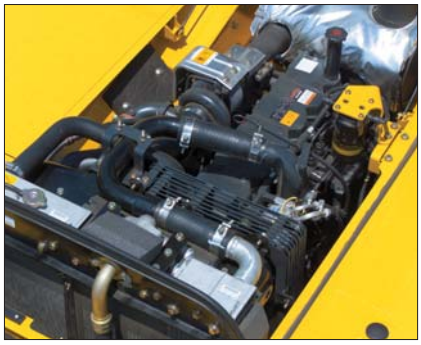
Trouble Data Memory Function

Monitor stores abnormalities for effective troubleshooting.

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)

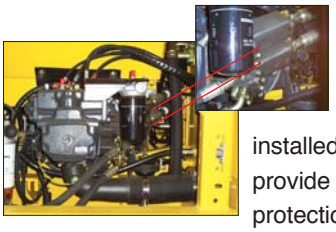
Engine oil & Engine oil filter	every 500 hours
Hydraulic oil	every 5000 hours
Hydraulic oil filter	every 1000 hours

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 Hydraulic Filters

The PC220LC-8 has high pressure in-line hydraulic filters installed at the pump discharge ports to provide additional hydraulic system protection 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.

Photo may include optional equipment.

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 emission certified.

HYDRAULIC SYSTEM

Type . . . . . HydrauMind
(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/cm² **6.08 psi**
800 mm **31.5"**	24914 kg **54,926 lb**	0.38 kg/cm² **5.38 psi**

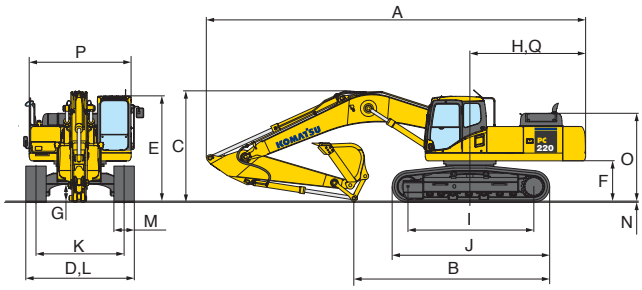
WORKING FORCES

	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**
SAE rating	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**
ISO rating	Arm crowd force at power max.	13200 kgf **29,100 lb**	11200 kgf **24,690 lb**

SPECIFICATIONS (CONTINUED)

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

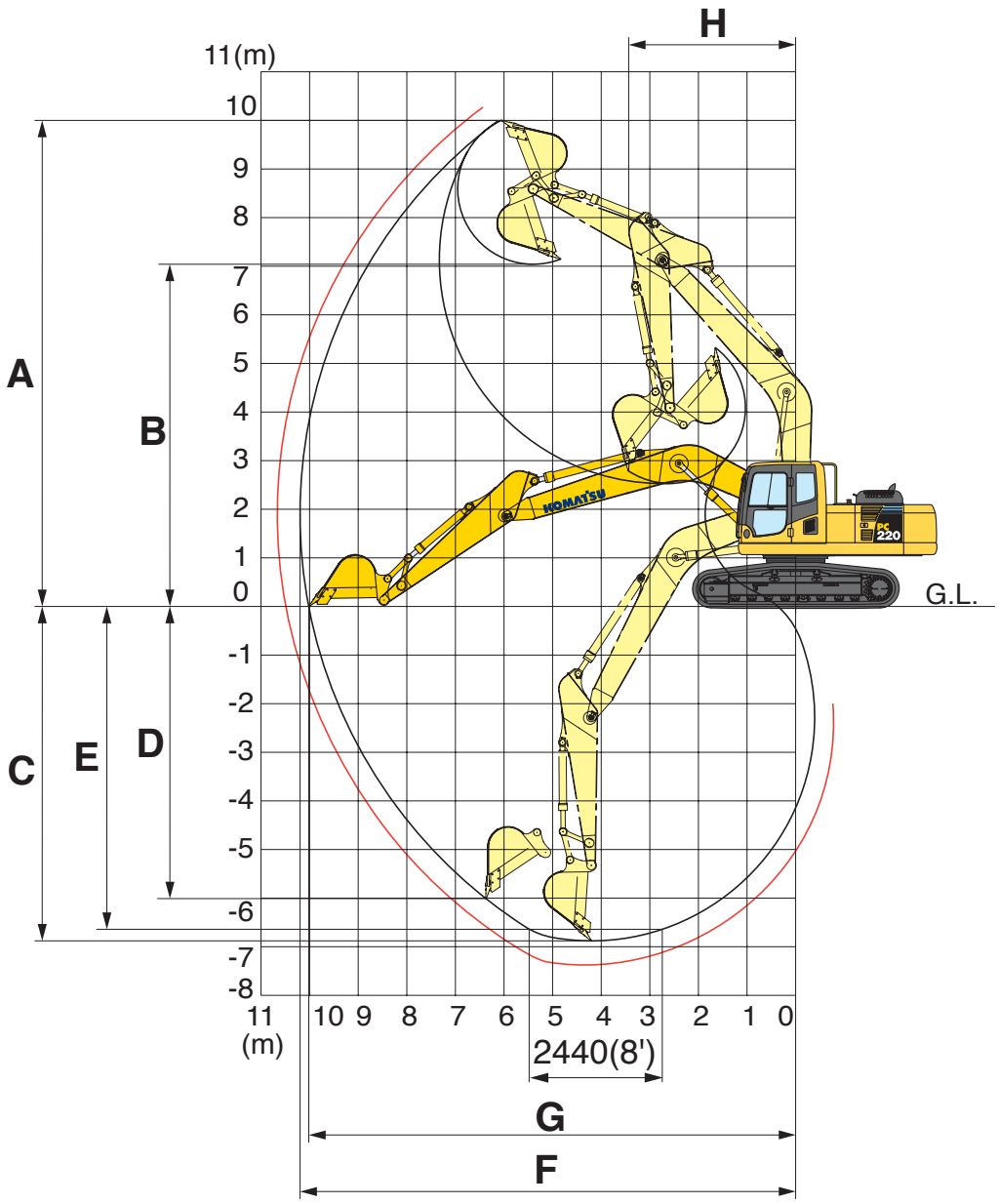
Bucket Type	Bucket Capacity	Bucket OLW	Bucket Weight	Arms 3045 mm **10'0"**	Arms 3500 mm **11'6"**
Komatsu TL	0.58 m³ **0.76 yd³**	610 mm **24"**	687 kg **1,514 lb**	V	V
	0.78 m³ **1.02 yd³**	762 mm **30"**	807 kg **1,779 lb**	V	V
	0.99 m³ **1.29 yd³**	914 mm **36"**	907 kg **2,000 lb**	V	V
	1.20 m³ **1.57 yd³**	1067 mm **42"**	988 kg **2,178 lb**	W	W
	1.41 m³ **1.85 yd³**	1219 mm **48"**	1088 kg **2,399 lb**	X	X
Komatsu GSK	0.58 m³ **0.76 yd³**	610 mm **24"**	765 kg **1,686 lb**	V	V
	0.78 m³ **1.02 yd³**	762 mm **30"**	774 kg **1,707 lb**	V	V
	0.99 m³ **1.29 yd³**	914 mm **36"**	869 kg **1,915 lb**	V	V
	1.20 m³ **1.57 yd³**	1067 mm **42"**	949 kg **2,092 lb**	V	W
	1.41 m³ **1.85 yd³**	1219 mm **48"**	1045 kg **2,304 lb**	X	X
Komatsu HP	0.58 m³ **0.76 yd³**	610 mm **24"**	812 kg **1,791 lb**	V	V
	0.78 m³ **1.02 yd³**	762 mm **30"**	931 kg **2,053 lb**	V	V
	0.99 m³ **1.29 yd³**	914 mm **36"**	1054 kg **2,323 lb**	V	V
	1.20 m³ **1.57 yd³**	1067 mm **42"**	1154 kg **2,545 lb**	W	X
	1.41 m³ **1.85 yd³**	1219 mm **48"**	1278 kg **2,817 lb**	X	Y
Komatsu HPS	0.58 m³ **0.76 yd³**	610 mm **24"**	870 kg **1,917 lb**	V	V
	0.78 m³ **1.02 yd³**	762 mm **30"**	1020 kg **2,248 lb**	V	V
	0.99 m³ **1.29 yd³**	914 mm **36"**	1162 kg **2,562 lb**	V	V
	1.20 m³ **1.57 yd³**	1067 mm **42"**	1282 kg **2,827 lb**	W	X
	1.41 m³ **1.85 yd³**	1219 mm **48"**	1425 kg **3,142 lb**	Y	Y
Komatsu HPX	0.58 m³ **0.76 yd³**	610 mm **24"**	987 kg **2,177 lb**	V	V
	0.78 m³ **1.02 yd³**	762 mm **30"**	1138 kg **2,508 lb**	V	V
	0.99 m³ **1.29 yd³**	914 mm **36"**	1280 kg **2,822 lb**	V	W
	1.20 m³ **1.57 yd³**	1067 mm **42"**	1400 kg **3,087 lb**	X	X
	1.41 m³ **1.85 yd³**	1219 mm **48"**	1543 kg **3,402 lb**	Y	Y

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

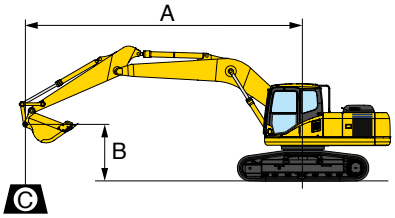
WORKING RANGE



	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**

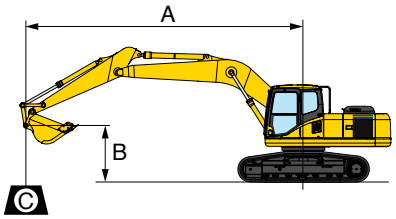
A / B	1.5 m **5'**		3.0 m **10'**		4.6 m **15'**		6.1 m **20'**		7.6 m **25'**		☢ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m **25'**							*4750 ***10,500**	*4750 ***10,500**			*3150 ***7,000**	*3150 ***7,000**
6.1 m **20'**							*4950 ***10,900**	*4950 ***10,900**	*4050 ***8,900**	*4050 ***8,900**	*3050 ***6,700**	*3050 ***6,700**
4.6 m **15'**							*5800 ***12,800**	*5800 ***12,800**	*5600 ***12,300**	4000 **8,900**	*3050 ***6,700**	*3050 ***6,700**
3.0 m **10'**			*14000 ***30,900**	*14000 ***30,900**	*8900 ***19,700**	*8900 ***19,700**	*7100 ***15,600**	5650 **12,500**	6000 **13,200**	3900 **8,600**	*3200 ***7,100**	2900 **6,400**
1.5 m **5'**			*7400 ***16,300**	*7400 ***16,300**	*11550 ***25,500**	8300 **18,300**	8400 **18,500**	5350 **11,800**	5800 **12,800**	3700 **8,200**	*3550 ***7,800**	2800 **6,200**
0 m **0'**			*8400 ***18,500**	*8400 ***18,500**	13200 **29,100**	7850 **17,400**	8100 **17,900**	5100 **11,200**	5650 **12,500**	3600 **7,900**	*4050 ***9,000**	2850 **6,300**
–1.5 m **–5'**	*7450 ***16,400**	*7450 ***16,400**	*12000 ***26,400**	*12000 ***26,400**	13000 **28,700**	7700 **17,000**	7950 **17,600**	4950 **10,900**	5600 **12,300**	3500 **7,800**	4900 **10,800**	3100 **6,800**
–3.0 m **–10'**	*11550 ***25,500**	*11550 ***25,500**	*17250 ***38,100**	15650 **34,600**	13050 **28,700**	7700 **17,000**	7950 **17,500**	4950 **10,900**			5800 **12,800**	3650 **8,100**
–4.6 m **–15'**			*18100 ***39,900**	16100 **35,500**	*12450 ***27,500**	7900 **17,500**	8150 **17,900**	5100 **11,300**			8000 **17,700**	5050 **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 ***10,850**	*4900 ***10,850**			*3300 ***7,350**	*3300 ***7,350**
6.1 m **20'**							*5050 ***11,150**	*5050 ***11,150**	*3900 ***8,650**	*3900 ***8,650**	*3150 ***7,000**	*3150 ***7,000**
4.6 m **15'**							*5900 ***13,000**	*5900 ***13,000**	*5650 ***12,500**	4050 **9,000**	*3200 ***7,100**	*3200 ***7,100**
3.0 m **10'**			*14300 ***31,600**	*14300 ***31,600**	*9050 ***19,950**	9050 **19,950**	*7150 ***15,800**	5700 **12,550**	6050 **13,350**	3900 **8,650**	*3350 ***7,450**	3000 **6,650**
1.5 m **5'**			*7150 ***15,800**	*7150 ***15,800**	*11650 ***25,700**	8300 **18,400**	8450 **18,650**	5350 **11,850**	5850 **12,950**	3750 **8,300**	*3700 ***8,150**	2900 **6,400**
0 m **0'**			*8500 ***18,700**	*8500 ***18,700**	13300 **29,300**	7900 **17,400**	8150 **18,050**	5100 **11,300**	5700 **12,650**	3600 **8,000**	*4250 ***9,350**	2950 **6,500**
–1.5 m **–5'**	*7700 ***16,950**	*7700 ***16,950**	*12250 ***27,050**	*12250 ***27,050**	13100 **28,900**	7700 **17,050**	8000 **17,700**	5000 **11,000**	5650 **12,500**	3550 **7,850**	5050 **11,200**	3200 **7,050**
–3.0 m **–10'**	*11950 ***26,300**	*11950 ***26,300**	*17750 ***39,150**	15750 **34,750**	13150 **28,950**	7750 **17,150**	8050 **17,750**	5000 **11,000**			6000 **13,250**	3800 **8,350**
–4.6 m **–15'**			*17850 ***39,350**	16200 **35,750**	*12300 ***27,150**	7950 **17,600**					8350 **18,450**	5250 **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.

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**

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'**											*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**

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'**											*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 (BEGINNING WITH S/N A88500)

- 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
- Extended work equipment grease intervals
- Fuel system pre-filter 10 micron
- High pressure in-line hydraulic filters
- Hydraulic track adjusters (each side)
- KOMTRAX
- Lock lever
- Mirrors, LH (1), RH (2)
- Multi-function color monitor
- Pattern change valve (S/N A88856 and up)
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition
- Radiator and oil cooler dustproof net
- Rear view camera
- 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"**
- Skylight
- Slip resistant foot plates
- Starter motor 5.5 kW
- Thermal and fan guards
- Track frame undercover
- 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
- Bolt-on top guard (operator protective guards, Level 2)
- Boom
  - — 5850 mm **19'2"** boom
  - — 5850 mm **19'2"** HD boom
  - — 5850 mm **19'2"** HD boom with piping
- Convertor, 12V
- Full front guard, Level 1
- Full front guard, Level 2
- Hydraulic control units
- Rain visor
- Shoes, triple grouser: 700 mm **28"**
- Straight travel pedal
- Sun visor
- 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

AESS763-00

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