HORSEPOWER
Gross: 129 kW 173 HP / 2000 min^{-1}
Net: 123 kW 164 HP / 2000 min^{-1}

OPERATING WEIGHT
PC220-8M0: 23200– 23700 kg
PC220LC-8M0: 24300– 24900 kg

KOMATSU®

PC220-8
PC220LC-8

PC
220

HYDRAULIC EXCAVATOR

Photos may include optional equipment.

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KOMATSU®

CEN00499-01

WALK-AROUND

HORSEPOWER
Gross: 129 kW 173 HP / 2000 min^{-1}
Net: 123 kW 164 HP / 2000 min^{-1}

OPERATING WEIGHT
PC220-8M0: 23200 – 23700 kg
PC220LC-8M0: 24300 – 24900 kg

BUCKET CAPACITY
0.72 – 1.26 m^3

Ecology and Economy Features

- ***Low fuel consumption by total control of the engine, hydraulic and electronic system.***
  Reduces fuel consumption by approx. 5%. (Compared with the PC220-8)

- ***Low emission engine***
  A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 provides 123 kW 164 HP.

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

- ***Low operation noise***
  Using the low-noise engine and methods to cut noise at source.

See pages 4 and 5.

Safety Design

- ROPS cab (ISO 12117-2) for protecting the operator in the event of a roll-over accident
- Slip-resistant plates for improved foot grid
- Rear view monitoring system for viewing the work area to the rear of the machine (optional)

See page 7.

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 page 6.

Information & Communication Technology

- Large multi-lingual high resolution LCD monitor
- Supports efficiency improvement
- Equipped with the EMMS monitoring system

See page 8.

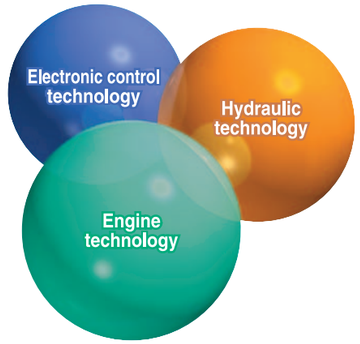
Easy Maintenance

- 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.

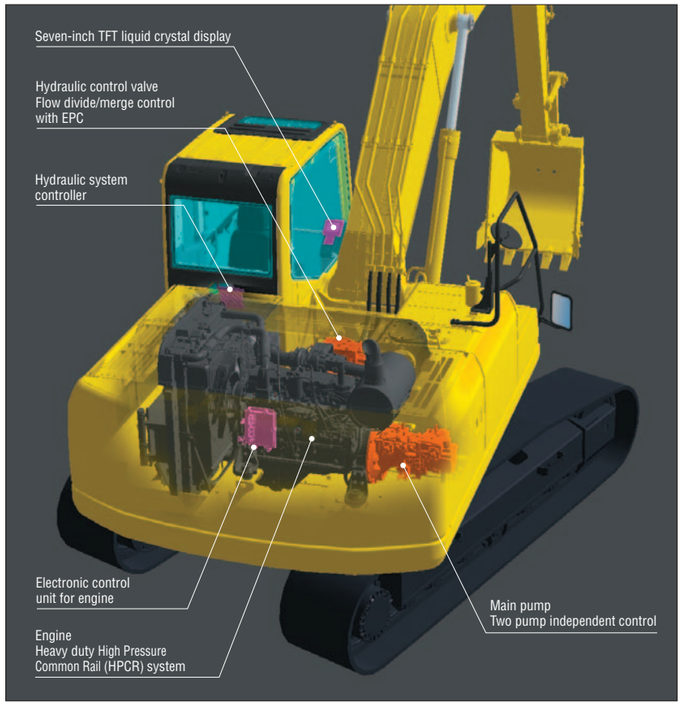
See page 9.

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

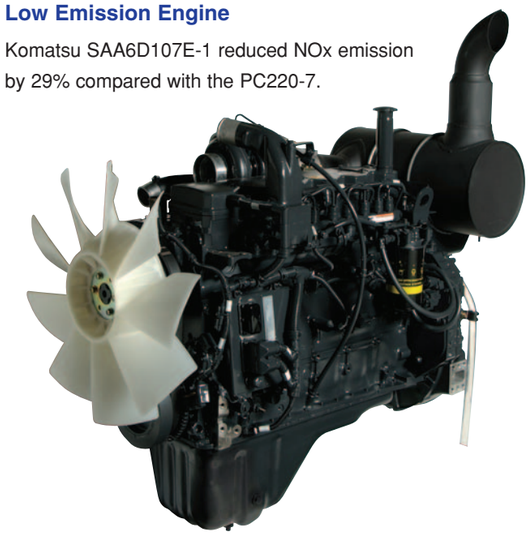
The newly-developed Komatsu SAA6D107E-1 engine enables NOx emissions to be significantly reduced with the accurate multi-staged fuel injection by the engine controller. It improves total engine durability using the high-pressure fuel injection system developed specifically for construction machinery. 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 5% reduced

vs. PC220-8
Based on typical work pattern collected via KOMTRAX.
Fuel consumption varies depending on job conditions.

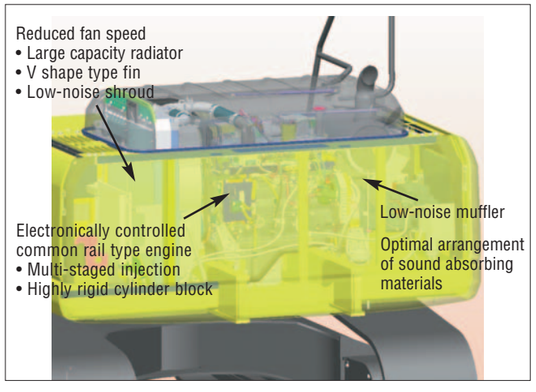
Low Emission Engine

Komatsu SAA6D107E-1 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.



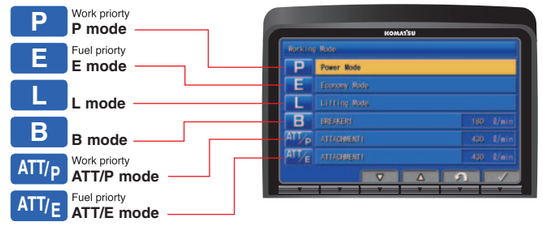
Idling Caution

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

The PC220-8M0 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E mode). Each mode is designed to match engine speed and pump output to the application. This provides the flexibility to match equipment performance to the job at hand.

Working Mode	Application	Advantage
P	Power mode	• Maximum production/power • Fast cycle times
E	Economy mode	• Good cycle times • Better fuel economy
L	Lifting mode	• Suitable attachment speed
B	Breaker mode	• Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode	• Optimum engine rpm, hydraulic flow, 2way • Power mode
ATT/E	Attachment Economy mode	• Optimum engine rpm, hydraulic flow, 2way • Economy mode



Lifting Mode

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

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 CO_2 emissions and efficient fuel consumption.

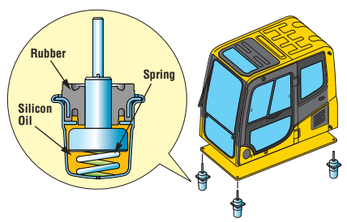
WORKING ENVIRONMENT

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.

Low Vibration with Cab Damper Mounting

PC220-8M0 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

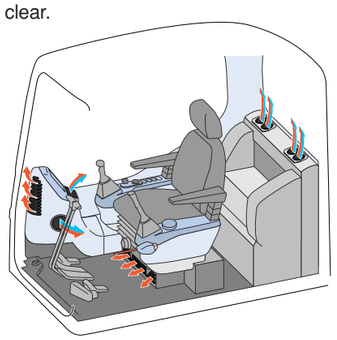
Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console.
Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

Pressurized Cab

Optional air conditioner, air filter and a higher internal air pressure minimize 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 Design

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.

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.

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 PC220-8M0 to meet the new ISO visibility requirements.

Rear View Monitoring System (optional)

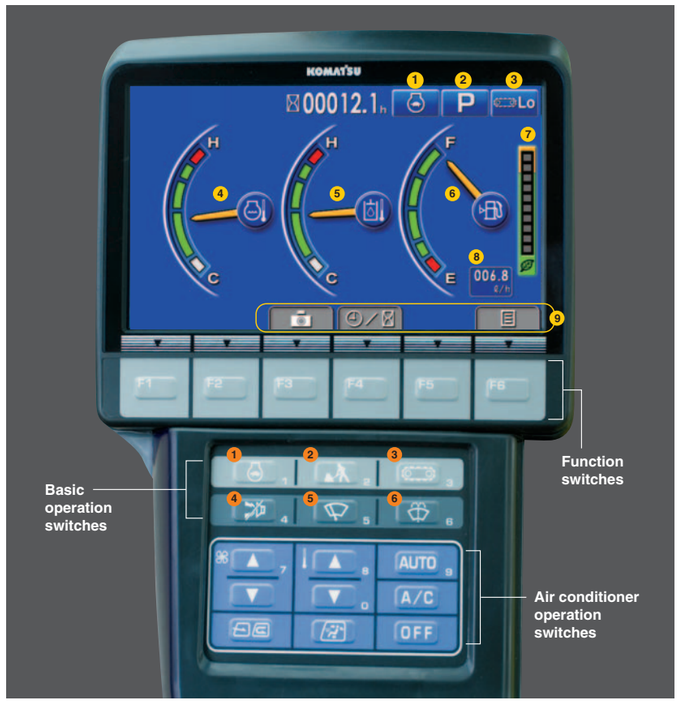
The operator can view the rear of the machine with a color monitor screen.

Rear view image on monitor

Thermal and Fan Guards

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

INFORMATION & COMMUNICATION TECHNOLOGY



Large Multi-lingual High Resolution LCD Monitor

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Visibility and resolution are further improved compared with current 7-inch large TFT LCD.
Simple and easy to operate switches.
Function keys facilitate multi-function operations.
Displays data in 25 languages to globally support operators around the world.

TFT : Thin Film Transistor
LCD : Liquid Crystal Display

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. Fuel consumption gauge
9. Function switches menu

Basic operation switches

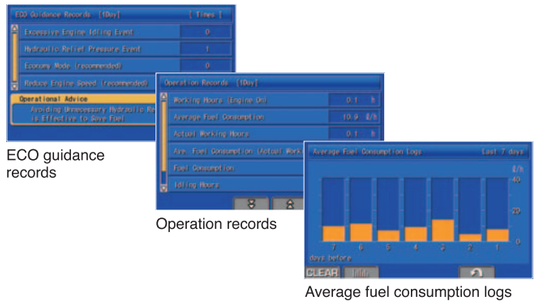
1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer

Supports Efficiency Improvement

The main screen displays advices for promoting energy-saving operations as needed. The operator can use the ECO Guidance menu to check the Operation Records, ECO Guidance Records, Average Fuel Consumption Logs, etc.


ECO guidance


ECO guidance menu


ECO guidance records

Operation records

Average fuel consumption logs

Equipment Management Monitoring System (EMMS)

Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge air clogging, etc. If the controller finds any abnormality, it is displayed on the LCD.

Maintenance Function

The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

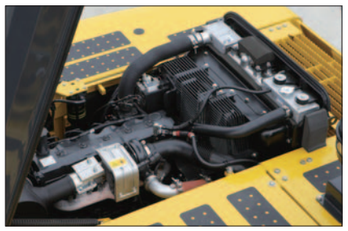
Trouble Data Memory Function

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)

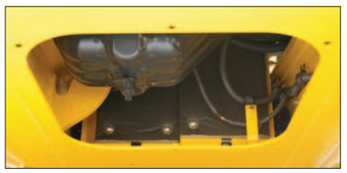
Removes water and contaminants in the fuel to prevent fuel problems. (With built-in priming pump)

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.



Washable Cab Floormat

The PC220-8M0 's cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

Large-capacity Fuel Tank and Rustproof Treatment

400-liter 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.


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 (optional)

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


Internal air conditioner filter


External air conditioner filter

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.

SPECIFICATIONS

ENGINE

Model . . . . . Komatsu SAA6D107E-1
Type . . . . . Water-cooled, 4-cycle, direct injection
Aspiration . . . . . Turbocharged, aftercooled
Number of cylinders 6
Bore . . . . . 107 mm
Stroke . . . . . 124 mm
Piston displacement . . . . . 6.69 L
Horsepower:
SAE J1995 . . . . . Gross 129 kW 173 HP
ISO 9249 / SAE J1349 . . . . . Net 123 kW 164 HP
Rated rpm . . . . . 2000 min^{-1}
Fan drive method for radiator cooling . . . . . Mechanical
Governor . . . . . All-speed control, electronic

HYDRAULICS

Type . . HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
Number of selectable working modes 6
Main pump:
Type . . . . . Variable displacement piston type
Pumps for . . . . . Boom, arm, bucket, swing, and travel circuits
Maximum flow . . . . . 439 L / min
Supply for control circuit . . . . . Self-reducing valve
Hydraulic motors:
Travel . . . . . 2 x axial piston motor with parking brake
Swing . . . . . 1 x axial piston motor with swing holding brake
Relief valve setting:
Implement circuits . . . . . 37.3 MPa 380 kg/cm^2
Travel circuit . . . . . 37.3 MPa 380 kg/cm^2
Swing circuit . . . . . 28.9 MPa 295 kg/cm^2
Pilot circuit . . . . . 3.2 MPa 33 kg/cm^2
Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)
Boom . . . . . 2–130 mm x 1335 mm x 90 mm
Arm . . . . . 1–145 mm x 1635 mm x 100 mm
Bucket for 2.5 m and 3.05 m arm . . 1–130 mm x 1020 mm x 90 mm
for 2.0 m arm . . . . . 1–140 mm x 1009 mm x 100 mm

DRIVES AND BRAKES

Steering control . . . . . Two levers with pedals
Drive method . . . . . Hydrostatic
Maximum drawbar pull . . . . . 202 kN 20570 kg
Gradeability . . . . . 70%, 35°
Maximum travel speed: High . . . . . 5.5 km/h
(Auto-Shift) Mid . . . . . 4.2 km/h
(Auto-Shift) Low . . . . . 3.1 km/h
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 min^{-1}

UNDERCARRIAGE

Center frame . . . . . X-frame
Track frame . . . . . Box-section
Seal of track . . . . . Sealed track
Track adjuster . . . . . Hydraulic
Number of shoes (each side):
PC220-8M0 47
PC220LC-8M0 51
Number of carrier rollers . . . . . 2 each side
Number of track rollers (each side):
PC220-8M0 8
PC220LC-8M0 10

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . 400 L
Coolant . . . . . 19.9 L
Engine . . . . . 23.1 L
Final drive, each side . . . . . 5.0 L
Swing drive . . . . . 7.2 L
Hydraulic tank . . . . . 135 L

OPERATING WEIGHT (APPROXIMATE)

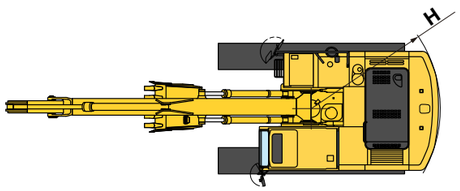
Operating weight including 5850 mm one-piece boom, 3045 mm arm, SAE heaped 1.0 m^3 backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

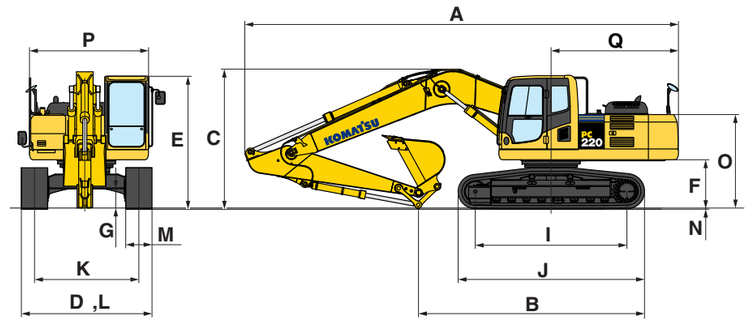
Shoes	PC220-8M0		PC220LC-8M0	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
600 mm	23200 kg	51.0 kPa 0.52 kg/cm^2	24300 kg	48.0 kPa 0.49 kg/cm^2
700 mm	23400 kg	44.1 kPa 0.45 kg/cm^2	24600 kg	42.1 kPa 0.43 kg/cm^2
800 mm	23700 kg	39.2 kPa 0.40 kg/cm^2	24900 kg	37.2 kPa 0.38 kg/cm^2

DIMENSIONS

	Arm Length	2000 mm	2500 mm	3045 mm
A	Overall length	9865 mm	9960 mm	9885 mm
B	Length on ground (transport): PC220-8M0	6470 mm	5920 mm	5190 mm
	PC220LC-8M0	6660 mm	6115 mm	5390 mm
C	Overall height (to top of boom)	3220 mm	3295 mm	3185 mm

		PC220-8M0	PC220LC-8M0
D	Overall width	2980 mm	3280 mm
E	Overall height (to top of cab)	3055 mm	3055 mm
F	Ground clearance, counterweight	1100 mm	1100 mm
G	Ground clearance (minimum)	440 mm	440 mm
H	Tail swing radius	2940 mm	2940 mm
I	Track length on ground	3460 mm	3845 mm
J	Track length	4260 mm	4640 mm
K	Track gauge	2380 mm	2580 mm
L	Width of crawler	2980 mm	3280 mm
M	Shoe width	600 mm	700 mm
N	Grouser height	26 mm	26 mm
O	Machine cab height	2100 mm	2110 mm
P	Machine cab width	2710 mm	2710 mm
Q	Distance, swing center to rear end	2905 mm	2905 mm





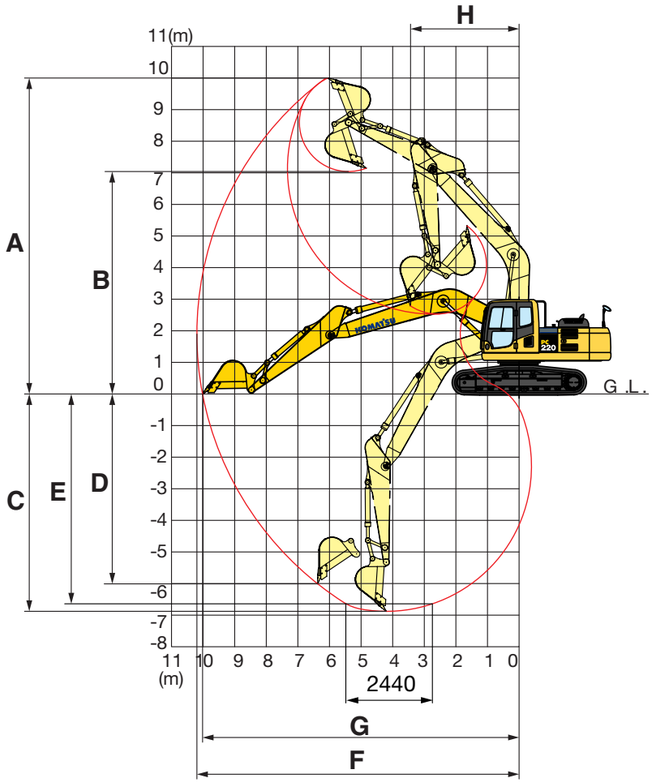
BACKHOE BUCKET, ARM, AND BOOM COMBINATION

Bucket Capacity (heaped)		Width		Weight	Number of Teeth	Arm Length		
SAE, PCSA	CECE	Without Side Cutters	With Side Cutters	With Side Cutters		1.84 m	2.41 m	2.93 m
0.72 m^3	0.65 m^3	900 mm	1005 mm	658 kg	3	○	○	○
1.00 m^3	0.90 m^3	1155 mm	1260 mm	734 kg	4	○	○	○
1.14 m^3	1.00 m^3	1300 mm	1405 mm	793 kg	5	○	□	□
1.26 m^3	1.10 m^3	1400 mm	1505 mm	845 kg	5	○	□	●

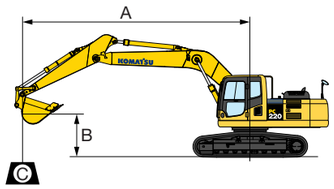
○: General purpose use, density up to 1.8 t/m^3
●: Light duty work, density up to 1.2 t/m^3
□: General purpose use, density up to 1.5 t/m^3

WORKING RANGE

	Arm	2000 mm	2500 mm	3045 mm
A	Max. digging height	9665 mm	9790 mm	10000 mm
B	Max. dumping height	6715 mm	6860 mm	7035 mm
C	Max. digging depth	5825 mm	6320 mm	6920 mm
D	Max. vertical wall digging depth	4750 mm	5130 mm	6010 mm
E	Max. digging depth of cut for 8' level	5585 mm	6100 mm	6700 mm
F	Max. digging reach	9270 mm	9670 mm	10180 mm
G	Max. digging reach at ground level	9070 mm	9480 mm	10020 mm
H	Min. swing radius	3300 mm	3320 mm	3450 mm
SAE rating	Bucket digging force at normal.	176 kN 17900 kg	152 kN 15500 kg	152 kN 15500 kg
SAE rating	Arm crowd force at power max.	155 kN 15800 kg	142 kN 14500 kg	119 kN 12100 kg
ISO rating	Bucket digging force at normal.	197 kN 20100 kg	172 kN 17500 kg	172 kN 17500 kg
ISO rating	Arm crowd force at power max.	161 kN 16400 kg	148 kN 15100 kg	129 kN 13200 kg



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 one-piece boom
- 1.0 m³ SAE heaped bucket
- Shoe width:
  —PC220-8M0 600 mm triple grouser

PC220-8M0 Arm: 2000 mm Bucket: 1.0 m³ SAE heaped Shoe: 600 mm triple grouser

A / B	MAX Cf	MAX Cs	7.5 m Cf	7.5 m Cs	6.0 m Cf	6.0 m Cs	4.5 m Cf	4.5 m Cs	3.0 m Cf	3.0 m Cs	1.5 m Cf	1.5 m Cs
7.5 m	*5400 kg	*5400 kg										
6.0 m	*5150 kg	4200 kg			*5750 kg	5300 kg						
4.5 m	5000 kg	3400 kg	5000 kg	3400 kg	*6500 kg	5050 kg	*7950 kg	*7950 kg	*11200 kg	*11200 kg		
3.0 m	4500 kg	3050 kg	4900 kg	3300 kg	7100 kg	4800 kg	*10950 kg	7500 kg				
1.5 m	4350 kg	2900 kg	4750 kg	3150 kg	6800 kg	4500 kg	10850 kg	6950 kg				
0 m	4500 kg	2950 kg	4650 kg	3050 kg	6600 kg	4350 kg	10600 kg	6750 kg				
–1.5 m	5000 kg	3300 kg			6550 kg	4300 kg	10650 kg	6750 kg	*8900 kg	*8900 kg		
–3.0 m	6350 kg	4200 kg			6700 kg	4400 kg	10800 kg	6900 kg	*16650 kg	13950 kg		
–4.5 m	*8950 kg	6850 kg					*9550 kg	7200 kg				

PC220-8M0 Arm: 2500 mm Bucket: 1.0 m³ SAE heaped Shoe: 600 mm triple grouser

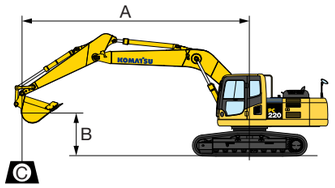
A / B	MAX Cf	MAX Cs	7.5 m Cf	7.5 m Cs	6.0 m Cf	6.0 m Cs	4.5 m Cf	4.5 m Cs	3.0 m Cf	3.0 m Cs	1.5 m Cf	1.5 m Cs
7.5 m	*5300 kg	*5300 kg			*5250 kg	*5250 kg						
6.0 m	*5100 kg	3900 kg			*5200 kg	*5200 kg						
4.5 m	4700 kg	3200 kg	5150 kg	3500 kg	*6000 kg	5200 kg	*7100 kg	*7100 kg				
3.0 m	4250 kg	2850 kg	5000 kg	3350 kg	7200 kg	4900 kg	*9900 kg	7750 kg				
1.5 m	4100 kg	2750 kg	4800 kg	3200 kg	6900 kg	4600 kg	11050 kg	7100 kg				
0 m	4200 kg	2750 kg	4700 kg	3100 kg	6700 kg	4400 kg	10700 kg	6800 kg				
–1.5 m	4600 kg	3050 kg	4650 kg	3050 kg	6600 kg	4300 kg	10600 kg	6700 kg	*10100 kg	*10100 kg	*8950 kg	*8950 kg
–3.0 m	5650 kg	3700 kg			6650 kg	4350 kg	10750 kg	6850 kg	*17950 kg	13900 kg	*10050 kg	*10050 kg
–4.5 m	8500 kg	5600 kg					*10700 kg	7100 kg	*15150 kg	14150 kg		

PC220-8M0 Arm: 3045 mm Bucket: 1.0 m³ SAE heaped Shoe: 600 mm triple grouser

A / B	MAX Cf	MAX Cs	7.5 m Cf	7.5 m Cs	6.0 m Cf	6.0 m Cs	4.5 m Cf	4.5 m Cs	3.0 m Cf	3.0 m Cs	1.5 m Cf	1.5 m Cs
7.5 m	*3350 kg	*3350 kg			*4350 kg	*4350 kg						
6.0 m	*3200 kg	*3200 kg	*4700 kg	3650 kg	*4450 kg	*4450 kg						
4.5 m	*3250 kg	2750 kg	*5050 kg	3550 kg	*5300 kg	5300 kg						
3.0 m	*3400 kg	2500 kg	5000 kg	3350 kg	*6600 kg	4950 kg	*8700 kg	7900 kg	*11950 kg	*11950 kg		
1.5 m	3600 kg	2350 kg	4800 kg	3200 kg	6950 kg	4600 kg	*10950 kg	7200 kg	*6750 kg	*6750 kg		
0 m	3650 kg	2400 kg	4650 kg	3050 kg	6650 kg	4350 kg	10650 kg	6750 kg	*8250 kg	*8250 kg		
–1.5 m	4000 kg	2600 kg	4550 kg	3000 kg	6500 kg	4200 kg	10500 kg	6600 kg	*9850 kg	*9850 kg	*7650 kg	*7650 kg
–3.0 m	4700 kg	3100 kg	4600 kg	3000 kg	6500 kg	4200 kg	10550 kg	6650 kg	*17800 kg	13550 kg	*10600 kg	*10600 kg
–4.5 m	6450 kg	4250 kg			6700 kg	4400 kg	10800 kg	6900 kg	*16550 kg	14000 kg		

* 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 one-piece boom
- 1.0 m³ SAE heaped bucket
- Shoe width:
  —PC220LC-8M0 700 mm triple grouser

PC220LC-8M0 Arm: 2000 mm Bucket: 1.0 m³ SAE heaped Shoe: 700 mm triple grouser

A / B	MAX Cf	MAX Cs	7.5 m Cf	7.5 m Cs	6.0 m Cf	6.0 m Cs	4.5 m Cf	4.5 m Cs	3.0 m Cf	3.0 m Cs	1.5 m Cf	1.5 m Cs
7.5 m	*5400 kg	*5400 kg										
6.0 m	*5150 kg	4850 kg			*5750 kg	*5750 kg						
4.5 m	*5200 kg	3950 kg	*6000 kg	3950 kg	*6500 kg	5850 kg	*7950 kg	*7950 kg	*11200 kg	*11200 kg		
3.0 m	*5500 kg	3550 kg	6000 kg	3850 kg	*7650 kg	5550 kg	*10950 kg	8700 kg				
1.5 m	5350 kg	3400 kg	5850 kg	3700 kg	8400 kg	5300 kg	*12200 kg	8150 kg				
0 m	5500 kg	3500 kg	5750 kg	3600 kg	8200 kg	5100 kg	*13050 kg	7900 kg				
–1.5 m	6150 kg	3900 kg			8150 kg	5050 kg	*13000 kg	7950 kg	*8900 kg	*8900 kg		
–3.0 m	7800 kg	4900 kg			8250 kg	5150 kg	*12100 kg	8100 kg	*16650 kg	*16650 kg		
–4.5 m	*8950 kg	8000 kg					*9550 kg	8400 kg				

PC220LC-8M0 Arm: 2500 mm Bucket: 1.0 m³ SAE heaped Shoe: 700 mm triple grouser

A / B	MAX Cf	MAX Cs	7.5 m Cf	7.5 m Cs	6.0 m Cf	6.0 m Cs	4.5 m Cf	4.5 m Cs	3.0 m Cf	3.0 m Cs	1.5 m Cf	1.5 m Cs
7.5 m	*5300 kg	*5300 kg			*5250 kg	*5250 kg						
6.0 m	*5100 kg	4450 kg			*5200 kg	*5200 kg						
4.5 m	*5200 kg	3700 kg	*5600 kg	4100 kg	*6000 kg	6000 kg	*7100 kg	*7100 kg				
3.0 m	5200 kg	3350 kg	6050 kg	3900 kg	*7250 kg	5650 kg	*9900 kg	8950 kg				
1.5 m	5000 kg	3200 kg	5900 kg	3750 kg	8450 kg	5350 kg	*12200 kg	8300 kg				
0 m	5150 kg	3250 kg	5800 kg	3650 kg	8250 kg	5150 kg	*13050 kg	7950 kg				
–1.5 m	5700 kg	3600 kg	5750 kg	3600 kg	8150 kg	5050 kg	*13100 kg	7900 kg	*10100 kg	*10100 kg	*8950 kg	*8950 kg
–3.0 m	6950 kg	4350 kg			8200 kg	5100 kg	*12550 kg	8000 kg	*17950 kg	*16450 kg	*10050 kg	*10050 kg
–4.5 m	*8800 kg	6500 kg					*10700 kg	8300 kg	*15150 kg	*15150 kg		

PC220LC-8M0 Arm: 3045 mm Bucket: 1.0 m³ SAE heaped Shoe: 700 mm triple grouser

A / B	MAX Cf	MAX Cs	7.5 m Cf	7.5 m Cs	6.0 m Cf	6.0 m Cs	4.5 m Cf	4.5 m Cs	3.0 m Cf	3.0 m Cs	1.5 m Cf	1.5 m Cs
7.5 m	*3350 kg	*3350 kg			*4350 kg	*4350 kg						
6.0 m	*3200 kg	*3200 kg	*4700 kg	4200 kg	*4450 kg	*4450 kg						
4.5 m	*3250 kg	3250 kg	*5050 kg	4100 kg	*5300 kg	*5300 kg						
3.0 m	*3400 kg	2900 kg	*5650 kg	3900 kg	*6600 kg	5700 kg	*8700 kg	*8700 kg	*11950 kg	*11950 kg		
1.5 m	*3750 kg	2800 kg	5900 kg	3750 kg	*7900 kg	5350 kg	*11300 kg	8400 kg	*6750 kg	*6750 kg		
0 m	*4250 kg	2850 kg	5750 kg	3600 kg	8250 kg	5100 kg	*12650 kg	7950 kg	*8250 kg	*8250 kg		
–1.5 m	4950 kg	3100 kg	5650 kg	3550 kg	8050 kg	4950 kg	*12950 kg	7800 kg	*9850 kg	*9850 kg	*7650 kg	*7650 kg
–3.0 m	5800 kg	3650 kg	5700 kg	3550 kg	8050 kg	5000 kg	*12750 kg	7850 kg	*17800 kg	16250 kg	*10600 kg	*10600 kg
–4.5 m	*7900 kg	5000 kg			*8200 kg	5150 kg	*11550 kg	8100 kg	*16550 kg	*16500 kg		

* 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.

STANDARD EQUIPMENT

- Alternator, 35 A, 24 V
- Auto-decel
- Automatic engine warm-up system
- Batteries, 110 Ah / 12 V x 2
- 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
- Suction fan
- Track guiding guard, center section
- Track roller
  —PC220-8M0, 8 each side
  —PC220LC-8M0, 10 each side
- Track shoe
  —PC220-8M0, 600 mm triple grouser
  —PC220LC-8M0, 700 mm 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
- Air pre-cleaner
- Alternator, 60 A, 24 V
- Arms
  —3045 mm arm assembly
  —2500 mm arm assembly
  —2000 mm arm assembly
- Batteries, large capacity
- Bolt-on top guard, [Operator Protective Guards level 2]
- Boom, 5850 mm
- 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
  —PC220-8M0:
  700 mm, 800 mm
  —PC220LC-8M0:
  600 mm, 800 mm, 900 mm
- 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
  CECE heaped 0.70 m³
  Width 1800 mm
- **Slope finishing bucket** for scraping slopes of banks
  —Capacity
  SAE heaped 0.4 m³
  CECE heaped 0.35 m³
  —Width 2000 mm
- **Trapezoidal bucket** is ideal for digging ditches and for drainage works
  —Capacity
  SAE heaped 0.7 m³
  CECE heaped 0.5 m³
- **Ripper bucket** for hard and rocky ground
  —Capacity
  SAE heaped 0.62 m³
  CECE heaped 0.56 m³
  Width 990 mm
- **Single-shank ripper** and **three-shank ripper** are recommended for rock-digging and crushing, hard soil digging, pavement-removal works, etc.