

S STANDARD EQUIPMENT

- Alternator, 35 Ampere, 24 V
- Anti-slip plates
- 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)
- Starting motor, 4.5 kW/24 V x 1
- Suction fan
- Track guiding guard, center section
- Track roller
 - PC200-8, 7 each side
 - PC200LC-8, 9 each side
- Track shoe
 - PC200-8, 600 mm 24" triple grouser
 - PC200LC-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
 - 2925 mm 9'7" arm assembly
 - 2410 mm 7'11" arm assembly
 - 1840 mm 6'0" arm assembly
- Batteries, large capacity
- Bolt-on top guard, [Operator Protective Guards level 2]
- Boom, 5700 mm 18'8"
- 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
 - PC200-8: 500 mm 20", 700 mm 28", 800 mm 31.5"
 - PC200LC-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

B 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"
- **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
- **Slope finishing bucket** for scraping slopes of banks
 - Capacity
 - SAE heaped **0.40 m³** 0.52 yd³
 - CECE heaped **0.35 m³** 0.46 yd³
 - Width **2000 mm** 78.7"
- **Ripper bucket** for hard and rock 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.

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PC200-8
PC200LC-8

HORSEPOWER
 Gross: 116 kW 155 HP @ 2000 rpm
 Net: 110 kW 148 HP @ 2000 rpm

OPERATING WEIGHT
 PC200-8: 19400–20010 kg
 42,770–44,110 lb
 PC200LC-8: 20630–21460 kg
 45,480–47,310 lb

ecot3

PC
200



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 PC200-7)

- **Low emission engine**

A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 provides **110 kW** 148 HP. This engine meets 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 PC200-7, realizing a low noise operation.

See page 4 and 5.

Safety Design

- Cab dedicated to hydraulic excavator for protecting the operator in the event of a roll over accident.
- Anti-slip 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)
- ROPS cab (ISO 12117-2)

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 pages 6.

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.

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: 116 kW 155 HP @ 2000 rpm
Net: 110 kW 148 HP @ 2000 rpm

OPERATING WEIGHT
PC200-8: 19400 – 20010 kg
42,770 – 44,110 lb
PC200LC-8: 20630 – 21460 kg
45,480 – 47,310 lb

BUCKET CAPACITY
0.50 – 1.17 m³
0.65 – 1.53 yd³

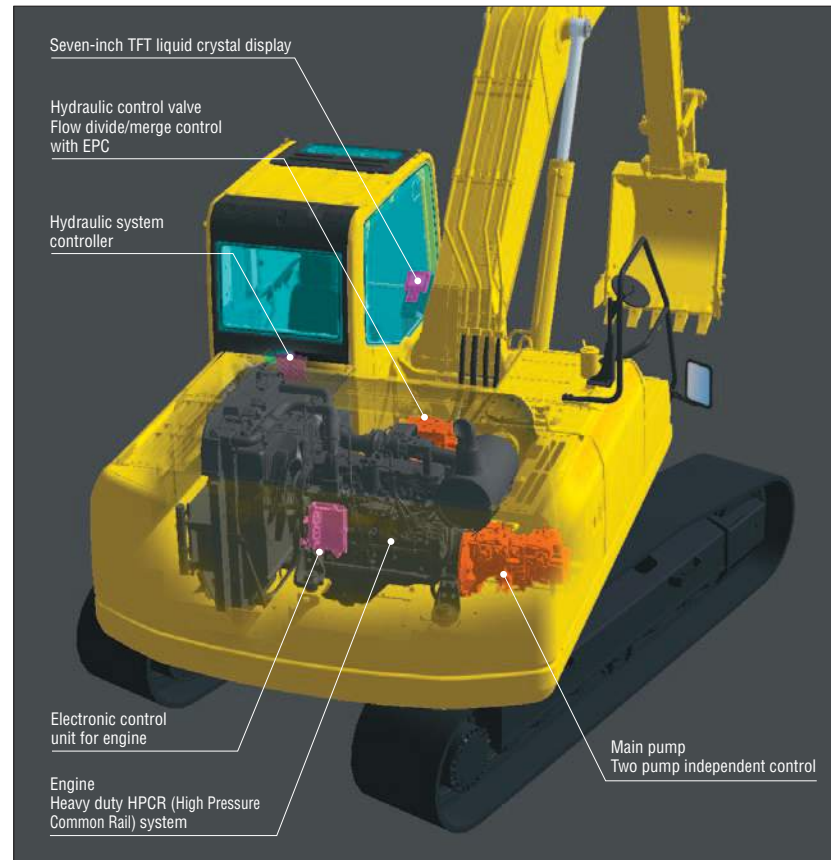
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ECOLOGY & ECONOMY FEATURES

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 PC200-7 at P mode and 100% working efficiency. Fuel consumption varies depending on job conditions.



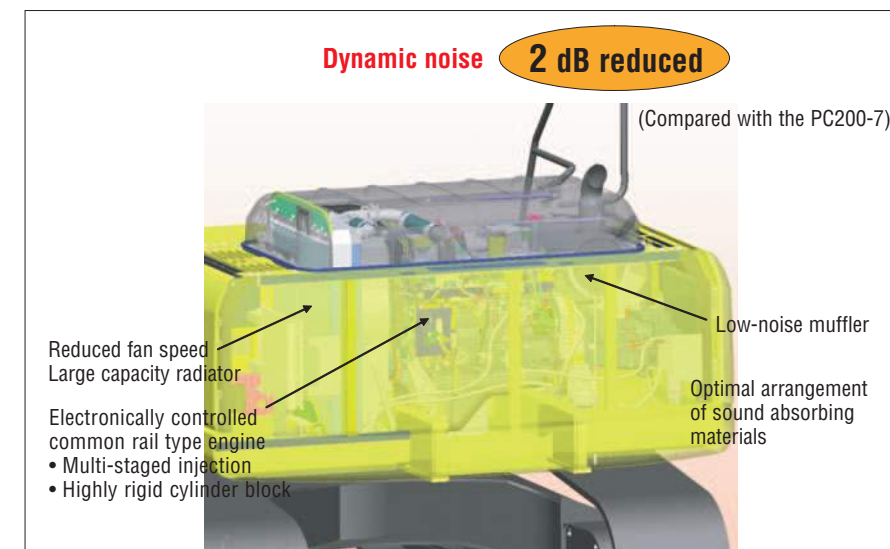
Low Emission Engine

Komatsu SAA6D107E-1 meets EPA, Tier 3 and EU Stage 3A emissions certified and reduced NOx emission by 29% compared with the PC200-7.



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 workloads.



E Fuel priority E mode
P Work priority P mode

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

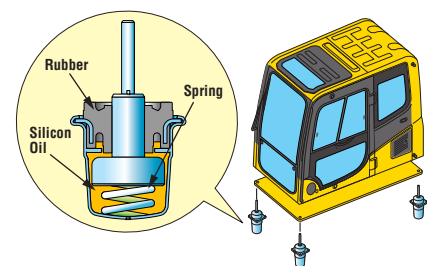


Low Cab Noise

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

PC200-8 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.

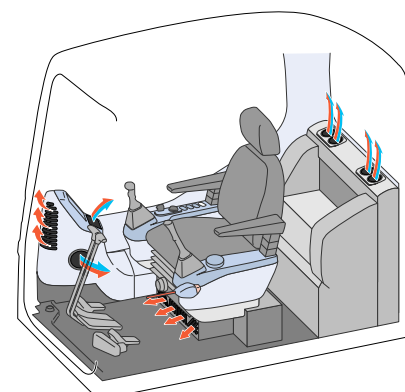


Pressurized Cab

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.



Anti-slip Plates

Highly durable anti-slip 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 PC200-8 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

Thermal and Fan Guards

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



MAINTENANCE FEATURES

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/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
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.

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 Floor Mat

The PC200-8's cab floor mat is easy to keep clean. The gently inclined surface has a flanged floor mat 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 rust-proof 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** 4.21"
 Stroke **124 mm** 4.88"
 Piston displacement **6.69 ltr** 408 in³
 Horsepower:
 SAE J1995 Gross **116 kW** 155 HP
 ISO 9249 / SAE J1349 Net **110 kW** 148 HP
 Rated rpm 2000 rpm
 Fan drive method for radiator cooling Mechanical
 Governor All-speed control, electronic
 EPA Tier 3 and EU Stage 3A emission certified

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 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 motor with parking brake
 Swing 1 x axial piston motor with swing holding brake
 Relief valve setting:
 Implement circuits **37.3 MPa** 380 kgf/cm² 5,400 psi
 Travel circuit **37.3 MPa** 380 kgf/cm² 5,400 psi
 Swing circuit **28.9 MPa** 295 kgf/cm² 4,190 psi
 Pilot circuit **3.2 MPa** 33 kgf/cm² 470 psi
 Hydraulic cylinders:
 (Number of cylinders – bore x stroke x rod diameter)
 Boom **2–120 mm x 1334 mm x 85 mm** 4.7" x 52.5" x 3.3"
 Arm **1–135 mm x 1490 mm x 95 mm** 5.3" x 58.7" x 3.7"
 Bucket:
 for **2.41 m** 7'11" and **2.93 m** 9'7" Arm
 for **1.84 m** 6'0" Arm
 for **1–125 mm x 1110 mm x 85 mm** 4.9" x 43.7" x 3.3"

DRIVES AND BRAKES

Steering control Two levers with pedals
 Drive method Hydrostatic
 Maximum drawbar pull **178 kN** 18200 kg 40,120 lb
 Gradeability 70%, 35°
 Maximum travel speed: High **5.5 km/h** 3.4 mph
 (Auto-Shift) Mid **4.1 km/h** 2.5 mph
 (Auto-Shift) Low **3.0 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 12.4 rpm

UNDERCARRIAGE

Center frame X-frame
 Track frame Box-section
 Seal of track Sealed track
 Track adjuster Hydraulic
 Number of shoes (each side):
 PC200-8 45
 PC200LC-8 49
 Number of carrier rollers 2 each side
 Number of track rollers (each side):
 PC200-8 7
 PC200LC-8 9

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank **400 ltr** 105.7 U.S. gal
 Coolant **20.4 ltr** 5.4 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)

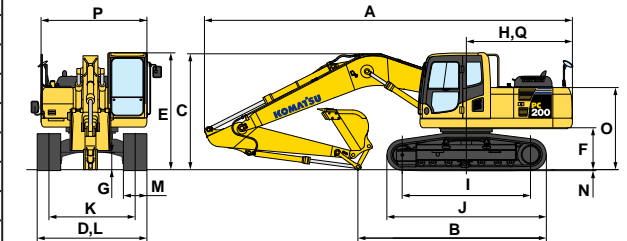
Operating weight including **5700 mm** 18'8" one-piece boom, **2925 mm** 9'7" arm, SAE heaped **0.80 m³** 1.05 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Shoes	PC200-8		PC200LC-8	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
500 mm 20"	19400 kg 42,770 lb	53.0 kPa 0.54 kgf/cm ² 7.68 psi	—	—
600 mm 24"	19500 kg 42,990 lb	45.1 kPa 0.46 kgf/cm ² 6.54 psi	20630 kg 45,480 lb	43.1 kPa 0.44 kgf/cm ² 6.26 psi
700 mm 28"	19750 kg 43,540 lb	39.2 kPa 0.40 kgf/cm ² 5.69 psi	20900 kg 46,080 lb	37.3 kPa 0.38 kgf/cm ² 5.40 psi
800 mm 31.5"	20010 kg 44,110 lb	34.3 kPa 0.35 kgf/cm ² 4.98 psi	21180 kg 46,690 lb	33.3 kPa 0.34 kgf/cm ² 4.83 psi
900 mm 35.5"	—	—	21460 kg 47,310 lb	29.4 kPa 0.30 kgf/cm ² 4.27 psi

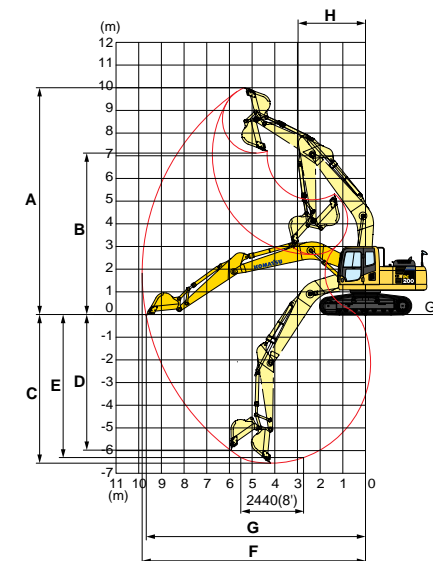
DIMENSIONS

	1840 mm 6'0"	2410 mm 7'11"	2925 mm 9'7"
A Overall length	9480 mm 31'1"	9495 mm 31'2"	9425 mm 30'11"
B Length on ground (transport): PC200-8 PC200LC-8	6270 mm 20'7" 6455 mm 21'2"	5700 mm 18'8" 5885 mm 19'4"	4815 mm 15'10" 5000 mm 16'5"
C Overall height (to top of boom)	2985 mm 9'10"	3190 mm 10'6"	2970 mm 9'9"

	PC200-8	PC200LC-8
D Overall width	2800 mm 9'2"	3080 mm 10'1"
E Overall height (to top of cab)	3040 mm 10'0"	3040 mm 10'0"
F Ground clearance, counterweight	1085 mm 3'7"	1085 mm 3'7"
G Ground clearance (minimum)	440 mm 1'5"	440 mm 1'5"
H Tail swing radius	2750 mm 9'0"	2750 mm 9'0"
I Track length on ground	3275 mm 10'9"	3655 mm 12'0"
J Track length	4070 mm 13'4"	4450 mm 14'7"
K Track gauge	2200 mm 7'3"	2380 mm 7'10"
L Width of crawler	2800 mm 9'2"	3080 mm 10'1"
M Shoe width	600 mm 24"	700 mm 28"
N Grouser height	26 mm 1.0"	26 mm 1.0"
O Machine cab height	2095 mm 6'10"	2095 mm 6'10"
P Machine cab width	2710 mm 8'11"	2710 mm 8'11"
Q Distance, swing center to rear end	2710 mm 8'11"	2710 mm 8'11"



WORKING RANGE



	1840 mm 6'0"	2410 mm 7'11"	2925 mm 9'7"	
A Max. digging height	9500 mm 31'2"	9800 mm 32'2"	10000 mm 32'10"	
B Max. dumping height	6630 mm 21'9"	6890 mm 22'7"	7110 mm 23'4"	
C Max. digging depth	5380 mm 17'8"	6095 mm 20'0"	6620 mm 21'9"	
D Max. vertical wall digging depth	4630 mm 15'2"	5430 mm 17'10"	5980 mm 19'7"	
E Max. digging depth of cut for 8' level	5130 mm 16'0"	5780 mm 19'0"	6370 mm 20'11"	
F Max. digging reach	8850 mm 29'1"	9380 mm 30'9"	9875 mm 32'5"	
G Max. digging reach at ground level	8660 mm 28'5"	9190 mm 30'2"	9700 mm 31'10"	
H Min. swing radius	3010 mm 9'11"	3090 mm 10'2"	3040 mm 10'0"	
SAE rating	Bucket digging force at power max.	157 kN 16000 kgf/35,270 lb	138 kN 14100 kgf/31,080 lb	138 kN 14100 kgf/31,080 lb
	Arm crowd force at power max.	139 kN 14200 kgf/31,300 lb	124 kN 12600 kgf/27,780 lb	101 kN 10300 kgf/22,710 lb
ISO rating	Bucket digging force at power max.	177 kN 18000 kgf/39,680 lb	149 kN 15200 kgf/33,510 lb	149 kN 15200 kgf/33,510 lb
	Arm crowd force at power max.	145 kN 14800 kgf/32,630 lb	127 kN 13000 kgf/28,660 lb	108 kN 11000 kgf/24,250 lb

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 6'0"	2.41 m 7'11"
0.50 m ³ 0.65 yd ³	0.45 m ³ 0.59 yd ³	0.70 m ³ 0.92 yd ³	750 mm 29.5"	875 mm 34.4"	478 kg 1,050 lb	3	○	○	○
0.80 m ³ 1.05 yd ³	0.70 m ³ 0.92 yd ³	1.05 yd ³	1045 mm 41.1"	1170 mm 46.1"	635 kg 1,400 lb	5	○	○	○
0.93 m ³ 1.22 yd ³	0.80 m ³ 1.05 yd ³	1.18 yd ³	1200 mm 47.2"	1325 mm 52.2"	696 kg 1,530 lb	5	□	□	●
1.05 m ³ 1.37 yd ³	0.90 m ³ 1.18 yd ³	1.31 yd ³	1330 mm 52.4"	1455 mm 57.3"	757 kg 1,670 lb	6	□	□	●
1.17 m ³ 1.53 yd ³	1.00 m ³ 1.31 yd ³	1.45 yd ³	1450 mm 57.1"	—	940 kg 2,070 lb	6	●	●	●

○: General purpose use, density up to 1.8 ton/m³ 1.52 U.S. ton/yd³ ●: Light duty work, density up to 1.2 ton/m³ 1.01 U.S. ton/yd³
 □: General purpose use, density up to 1.5 ton/m³ 1.26 U.S. ton/yd³ X: Not usable

