

KOMATSU®

PC400-8R PC400LC-8R

HORSEPOWER

Gross: 270 kW 362 HP @ 1900 rpm

Net: 257 kW 345 HP @ 1900 rpm

OPERATING WEIGHT

PC400-8R: 41740–42590 kg

92,020–93,890 lb

PC400LC-8R: 42290–43200 kg

93,230–95,240 lb

PC
400

HYDRAULIC EXCAVATOR



Photos may include optional equipment.

WALK-AROUND

Productivity Features

• High Production and Low Fuel Consumption

High power, working performance and fuel efficiency improve production and fuel costs.

• Excellent Machine Stability

Large counterweight offers superior machine stability and balance.

• Large Digging Force

Pressing the Power Max function button temporarily increases the digging force 7%.

• Two-mode Setting for Boom

Switch selection allows either powerful digging or smooth boom operation.

See page 5.

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.

Safety Design

- ROPS cab (ISO 12117-2)
- Anti-slip plates for safe work on machine
- Rear view monitoring system for easy checking behind the machine (optional)

See page 7.



Ecology and Economy Features

- Low emission engine
A powerful turbocharged and air to air aftercooled Komatsu SAA6D125E-5 engine provides **257 kW** 345 HP. This engine is EPA Tier 2 and EU Stage 2 emissions equivalent.
- Economy mode saves fuel consumption.
- Low operation noise
See pages 4 and 5.

Large Comfortable Cab

- Low-noise cab
- 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.

Easy Maintenance

- Long replacement interval of engine oil, engine oil filter, hydraulic oil and hydraulic filter.
- Side-by-side radiator and oil cooler configuration enables independent removal and installation of those two components.
- Equipped with the EMMS monitoring system.
- Easy access to engine oil filter and fuel drain valve
- Large fuel tank capacity
- Electric priming pump installed.
- Equipped with large size steps for easier maintenance.

See page 9.

Excellent Reliability and Durability

- The fuel reliability is improved by adding fuel main-filter and water separator working against low grade fuel.

- Equipped with fuel pre-filter as standard (with water separator).
- High pressure in-line filter
See page 10.

Variable Track Gauge (optional)

- Greatly increases lateral stability
- Compliant with transportation regulations
See page 5.

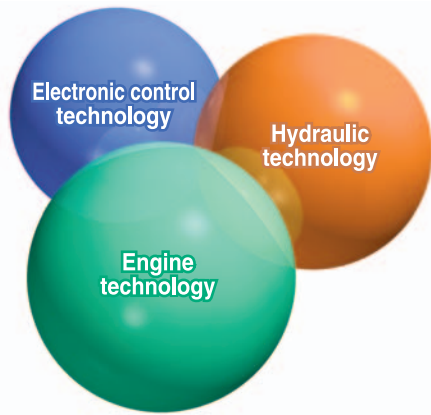
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BUCKET CAPACITY
1.30 – 2.20 m³
1.70 – 2.88 yd³

PRODUCTIVITY & ECOLOGY 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.

High Power Komatsu SAA6D125E Engine

The PC400-8R gets its exceptional power and work capacity from a Komatsu SAA6D125E-5 engine. Output is **257 kW** 345 HP, providing increased hydraulic power and improved fuel efficiency.

The SAA6D125E-5 engine is EPA Tier 2 and EU Stage 2 emissions equivalent.

The SAA6D125E-5 engine adopts the electronically controlled Heavy Duty HPCR* fuel injection system.

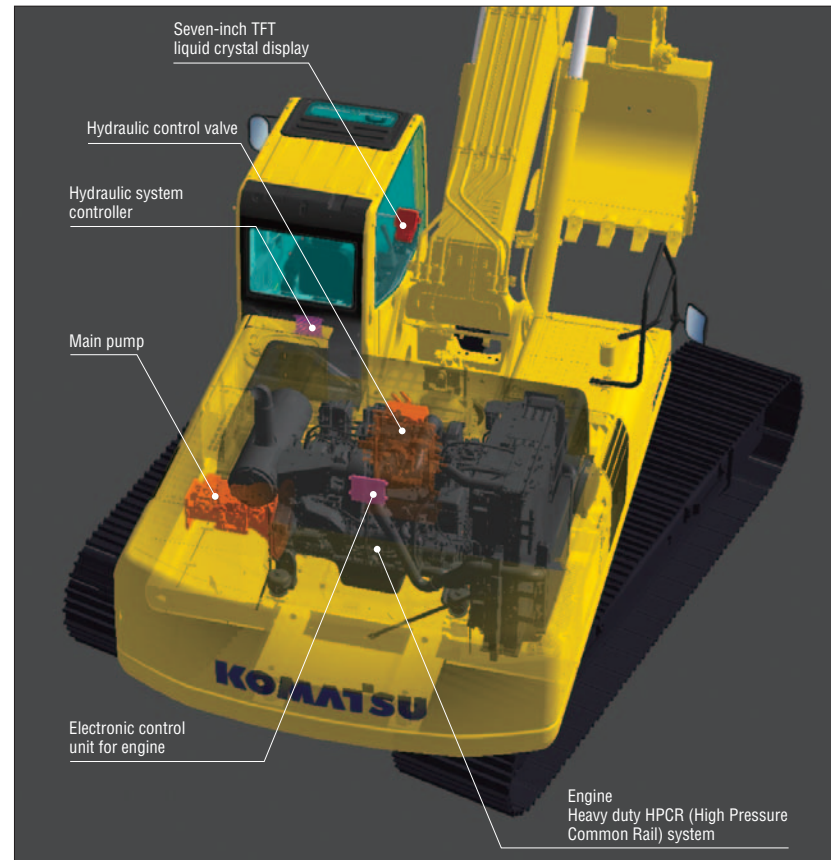
*HPCR : High Pressure Common Rail

Low Operation Noise

Enables a low noise operation using the low-noise engine and methods to cut noise at source. Ambient noise meets the EU Stage 2 noise regulation.

Excellent Machine Stability

Large counterweight offers superior machine stability and balance.



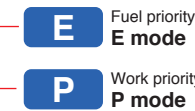
Working Modes Selectable

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.



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

Idling Caution

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



Large Digging Force

With the one-touch Power Max. function digging force has been further increased. (8.5 seconds of operation)

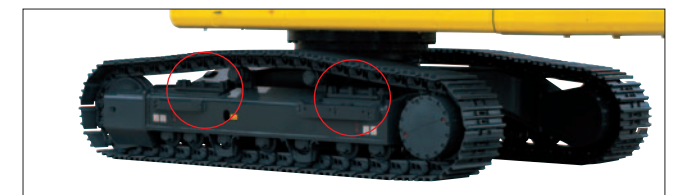
Maximum arm crowd force (ISO):
200 kN (20.4t) → **214 kN (21.8t)** (with Power Max.) **7% UP**

Maximum bucket digging force (ISO):
256 kN (26.1t) → **275 kN (28.0t)** (with Power Max.) **7% UP**

*Measured with Power Max function, 3380 mm 11'1" arm and ISO rating

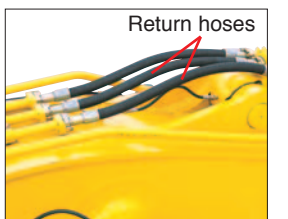
Variable Track Gauge (optional)

- Lateral stability is significantly improved when operating with the gauge extended.
- Lateral stability is increased by 30% (compared with the fixed gauge version).
- With trackframes retracted, overall width complies with many local transportation regulations.



Smooth Loading Operation

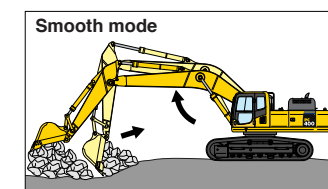
Two return hoses improve hydraulic performance. In the arm out function, a portion of the oil is returned directly to the tank providing smooth operation.



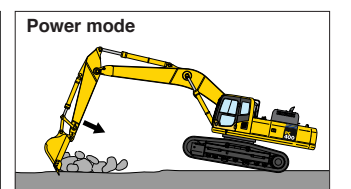
Return hoses

Two-mode Setting for Boom

Smooth mode provides easy operation for gathering blasted rock or scraping down operation. When maximum digging force is needed, switch to Power mode for more effective excavating.



Boom floats upward, reducing lifting of machine front. This facilitates gathering blasted rock and scraping down operations.



Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

WORKING ENVIRONMENT

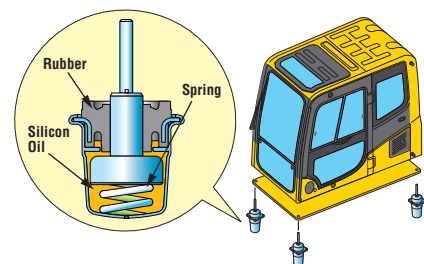


Low Cab Noise

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

PC400-8R 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.

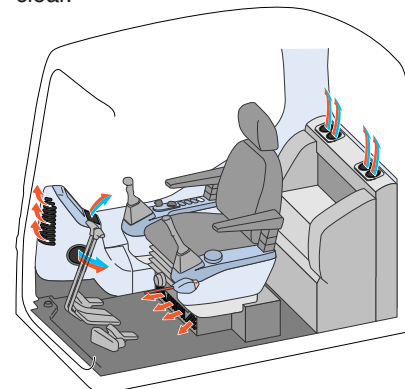


Pressurized Cab

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)

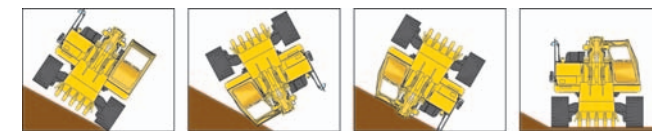
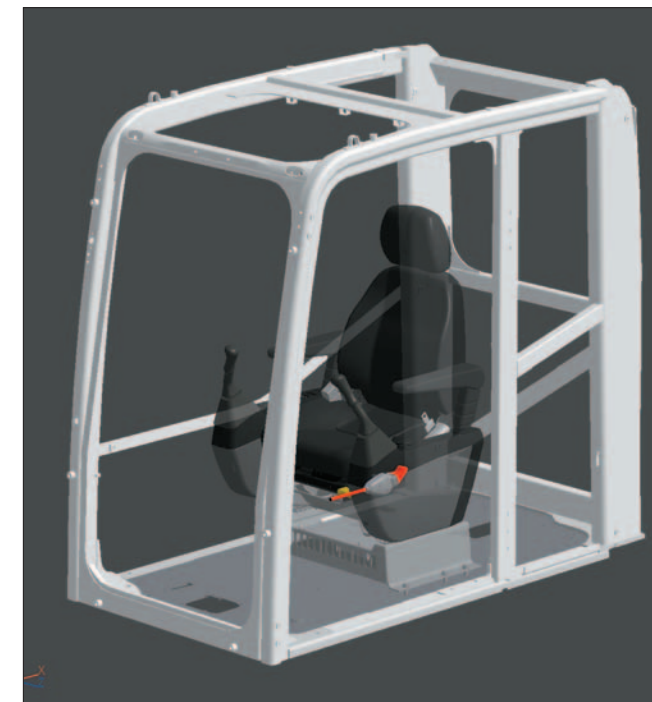
Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD. The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps 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.



Lock Lever

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



Pump/Engine Room Partition

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



Thermal and Fan Guards

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



Large Serrated Steps



Large Handrail