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Komatsu PC360 Excavator

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Komatsu PC360 Excavator

The Komatsu PC360 excavator is a powerful and versatile piece of heavy equipment that is commonly used in construction, mining, and other industries that require digging and excavation. With its advanced design and features, this excavator is capable of handling a wide range of tasks, from digging trenches and foundations to grading and leveling land.

One of the key features of the Komatsu PC360 excavator is its powerful hydraulic system, which provides the machine with exceptional digging and lifting capabilities. The excavator's arm, bucket, and other attachments are all powered by high-pressure hydraulic fluid, which allows for precise and smooth operation. This powerful system also enables the excavator to easily handle large loads and heavy materials, making it ideal for a variety of heavy-duty excavation tasks.



In addition to its powerful hydraulic system and advanced control system, the Komatsu PC360 excavator is also designed for maximum efficiency and productivity. The excavator's fuel-efficient engine and advanced transmission system allow it to operate at high speeds and with minimal downtime. The excavator's cab is also designed for maximum comfort and visibility, with large windows and a comfortable seat, to help operators work more efficiently and comfortably.

The Komatsu PC360 excavator is also designed for easy maintenance and repair. The excavator's various components are designed to be easily accessible and serviceable, and it comes with a detailed maintenance manual that provides step-by-step instructions for performing routine maintenance and repairs. Additionally, the excavator's advanced diagnostic system can help identify and diagnose problems quickly and easily, to minimize downtime and keep the machine running smoothly.

PRODUCT FEATURES

- **Large displacement high efficiency pump**
Large displacement hydraulic implement pumps provide high flow output at lower engine RPM, operation at the most efficient engine speed.

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- **Closed-center load-sensing hydraulic system**
Smooth operation, quick cycle times, great multi-function, while lowering fuel consumption from closed-center load-sensing hydraulic system.
- **Komatsu PC360 Excavator is Built for strength**
Equipment designed for long-term durability with high resistance to bending and torsional stress. Booms and arms are constructed with thick plates of high tensile strength steel and designed with large cross-sectional areas.
- **Cleaner emissions**
A heavy-duty aftertreatment system that combines a Komatsu Diesel Particulate Filter (KDPF) and selective catalytic reduction (SCR). The system injects the correct amount of diesel exhaust fluid at the proper rate, decomposing nitrogen oxide.
- **Easy access**
Engine oil check and filter locations integrated into one side to allow easier maintenance access.
- **Advanced ergonomic design**
Wide spacious cab includes a heated air suspension seat with reclining backrest. Seat height and position are easily adjusted using a pull-up lever. Armrest position easily adjusted with the console.
- **Information at your fingertips**
Updated, large, high-resolution LCD color monitor to ease accurate and smooth work. Key machine information displayed in user-friendly interface, rearview camera and DEF level gauge display added to default main screen.
- **Rollover protection**
A ROPS cab that conforms to ISO 12117-2 comes as standard equipment. It also satisfies requirements for level 1 operator protective guard (OPG) and top guard (ISO 10262).
- **Multi-operator productivity**
An operator identification ID can be set up for each operator and used to manage operation information of individual machines using Komtrax data. Data can analyze operation status by operator and by machine.
- **Reduce fuel consumption**
Auto idle shutdown automatically shuts the engine down after idling for a set period to reduce unnecessary fuel consumption and exhaust emissions. Time before engine is shutdown can be programmed from 5 to 60 minutes.
- **Designed for durability**
Large heavy-duty revolving frame guards and swivel guard help protect vital components from damage and debris build-up.
- **Ease of maintenance and serviceability**
Provide a convenient and more secure work area in front of the engine. A new step provides easier access for filling the AdBlue/DEF tank.

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PRODUCT SPECIFICATIONS

Engine

Model	Komatsu SAA6D114E-6*
Type	Water-cooled, 4-cycle, direct injection
Aspiration	Komatsu Variable Geometry Turbocharger with air-to-air aftercooler and EGR
Number of Cylinders	6
Bore	4.49 in
Stroke	5.69 in
Piston Displacement	540 in ³

Horsepower

SAE J1995 – Gross	271 Hp
ISO 9249/SAE J1349 – Net	257 Hp
Rated rpm	1950
Governor	All-speed control, electronic.
Fan drive method for radiator cooling	Mechanical

**EPA Tier 4 Final emissions certified*

Hydraulics

Type: HydraMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valve and pressure compensated valves, 6 selectable working modes

Hydraulic motors

Travel	2 x axial piston motor with parking brake
Swing	1 x axial piston motor with swing holding brake

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Main pump

Pumps for	Boom, arm, bucket, swing, and travel circuits
Type	Variable displacement piston type
Maximum Flow	141 US gpm
Supply for Control Circuit	Self-reducing valve

Relief valve setting

Implement Circuits	5400 psi
Travel Circuit	5400 psi
Swing Circuit	4050 psi
Pilot Circuit	470 psi

Hydraulic cylinders

Number of Cylinders	Bore x Stroke x Rod Diameter
Boom / 2	5.5 x 58.3 x 3.9 in
Arm / 1	6.3 x 71.9 x 4.3 in
Bucket / 1 – for 10 ft 5 in and 13 ft 2 in Arms	5.5 x 50.6 x 3.9 in
Bucket / 1 – for 8 ft 4 in Arm	5.9 x 50.6 x 4.3 in

Drives and Brakes

Steering Control	Two levers with pedals
Drive Method	Hydrostatic
Maximum Drawbar Pull	65,191 lbs
Gradeability	70%, 35°
Maximum Travel Speed: (Auto-Shift)	
High	3.4 mph

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Mid	2.8 mph
Low	2.0 mph
Service Brake	Hydraulic lock
Parking Brake	Mechanical disc brake

Swing System

Drive Method	Hydrostatic motor
Swing Reduction	Planetary gear
Swing Circle Lubrication	Grease-bathed
Service Brake	Hydraulic lock
Holding Brake / Swing Lock	Mechanical disc brake
Swing Speed	9.5 rpm
Swing Torque	82313 ft-lbs

Undercarriage

Center Frame	X-frame
Track Frame	Box-section
Track Type	Sealed
Track Adjuster	Hydraulic
Number of Shoes	48 each side
Number of Carrier Rollers	2 each side
Number of Track Rollers	8 each side

Coolant & Lubricant Capacity (Refilling)

Fuel Tank	159.8 US gal
Coolant	9.7 US gal

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Engine	9.2 US gal
Final Drive, Each Side	2.4 US gal
Swing Drive	3.6 US gal
Hydraulic Tank	49.7 US gal
Diesel Exhaust Fluid (DEF) Tank	10.3 US gal
DEF Tank	6.1 US gal

Operating Weight (Approximate)

Operating weight includes 21 ft 3 in one-piece HD boom, 10 ft 5 in arm, SAE heaped 2.53 yd³ bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Shoes

31.5 in

Operating Weight	79128 lbs
Ground Pressure	7.33 psi

33.5 in

Operating Weight	79807 lbs
Ground Pressure	6.9 psi

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