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Komatsu PC490 Excavator

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Komatsu PC490 Excavator

A Komatsu PC490 Excavator is a large, heavy-duty piece of construction equipment that is commonly used in a variety of industrial and commercial applications. This powerful machine is designed to dig, excavate, and move large amounts of dirt, rock, and other materials with ease.

One of the key features of the Komatsu PC490 Excavator is its digging capabilities. The excavator is equipped with a large bucket that can be used to dig and move large amounts of soil and other materials. The bucket is attached to the end of a long arm, which is controlled by the operator from the cab of the machine. This allows the operator to easily maneuver the bucket into tight spaces and position it exactly where it needs to be to complete the job.



In addition to digging, the Komatsu PC490 Excavator is also equipped with a variety of other tools and attachments that can be used to perform a wide range of tasks. For example, the excavator can be fitted with a breaker attachment, which can be used to break up concrete and other hard materials. The excavator can also be fitted with a grapple attachment, which is useful for picking up and moving large, heavy objects.

The Komatsu PC490 Excavator is also highly maneuverable and easy to operate. The machine is equipped with a variety of controls and gauges that allow the operator to easily navigate and control the excavator. The cab of the machine is also designed to be comfortable and ergonomic, providing the operator with a clear view of the work area and easy access to the controls.

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.
- **Closed-center load-sensing hydraulic system**
Smooth operation, quick cycle times, great multi-function, while lowering fuel consumption from

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closed-center load-sensing hydraulic system.

- **Komatsu PC490 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 SAA6D125E-7*
Type	Water-cooled, 4-cycle, direct injection
Aspiration	Komatsu Variable Geometry Turbocharger with air-to-air aftercooled EGR
Number of Cylinders	6
Bore	4.92 in
Stroke	5.91 in
Piston Displacement	674 in ³
Horsepower	
SAE J1995 : Gross	362 Hp
ISO 9249/SAE J1349 : Net	359 Hp
Rated rpm	1900 rpm
Governor	All-speed control, electronic
Fan Drive Method for Radiator Cooling	Hydraulic

**EPA Tier 4 Final emissions certified*

Hydraulics

Type: HydraulMind (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 axial piston type
Maximum Flow	206 US gpm

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	6.3 x 61.8 x 4.3 in
Arm / 1	7.3 x 71.7 x 4.7 in
Bucket / 1	6.3 x 50 x 4.3 in

Drives and Brakes

Steering Control	Two levers with pedals
Drive Method	Hydrostatic
Maximum Drawbar Pull	73880 lbs
Gradeability	70%

Maximum travel speed: (Auto-Shift)

High	3.4 mph
Mid	2.6 mph

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Low	1.9 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	9.0 rpm
Swing Torque	97024 ft-lbs

Undercarriage

Center Frame	X-frame
Track Frame	Box-section
Track Type	Sealed
Track Adjuster	Hydraulic
Number of Shoes	49 each side
Number of Carrier Rollers	2 each side
Number of Track Rollers	8 each side

Coolant & Lubricant Capacity (Refilling)

Fuel Tank	172 US gal
Coolant	12.4 US gal
Engine	10.0 US gal

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Final Drive, Each Side	2.9 US gal
Swing Drive	5.3 US gal
Hydraulic Tank	65.5 US gal
Diesel Exhaust Fluid (DEF) Tank	10.3 US gal

Operating Weight (Approximate)

Fixed Gauge

Shoes	28 in
Operating Weight	105670 lbs
Ground Pressure	10.38 psi
Shoes	31.5 in
Operating Weight	106770 lbs
Ground Pressure	9.20 psi
Shoes	35.5 in
Operating Weight	107850 lbs
Ground Pressure	8.32 psi

Variable Gauge

Shoes	28 in
Operating Weight	108040 lbs
Ground Pressure	10.61 psi
Shoes	31.5 in
Operating Weight	109140 lbs
Ground Pressure	9.40 psi
Shoes	35.5 in
Operating Weight	110220 lbs
Ground Pressure	8.50 psi

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