









**PC35R-8** 

M I N I - E X C A V A T O R

**NET POWER SAE J1349** 21 kW - 28,2 HP

**OPERATING WEIGHT** From 3.575 kg to 3.670 kg

# SHAPING TECHNOLOGY

Fruit of KOMATSU technology and experience, the PC35R-8 miniexcavator responds perfectly to all requirements for compactness, easy handling and high performance. Ruggedness and excellent stability guarantee safety and confidence in all conditions. The design of the frame and the undercarriage enhance the machine's high resistance to stress. A wide range of possible configurations and the possibility to use the machine with various different attachments make it the best and indeed often the only solution for many difficult applications.

### Engine

The PC35R-8 miniexcavator is fitted with a KOMATSU engine that guarantees all the power required and low fuel consumption. The advanced technology applied means minimum levels of noise and emissions (STAGE 2).

## **Hidraulic System**

The PC35R-8 uses the famous **CLSS** (*Closed Load Sensing System*) hydraulic circuit, that is, a closed-centre circuit with load sensing, fed by a main, variable delivery pump that ensures smooth and perfectly synchronized combined movements. All this guarantees maximum productivity and minimum consumption.

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## **Total Comfort**

Designed with the utmost care in every minimum detail, the driving position offers the maximum operating comfort. Easy access, comfort, ergonomic controls, an efficient monitor for controlling the main functions and visibility in all directions. The cab offers excellent comfort and visibility on the work area. The innovative design of the sliding door permits operation in all conditions, minimizing the risks of accidental contact.





# PC35R-8 MINI-EXCAVATOR







#### "PPC" Proportional Servocontrols

The ease of use that characterizes the PC35R-8 allows even less expert operators to get the most out of their work. The dedicated controls for every movement are easy to understand and ergonomic. A smooth and constant response of the hydraulic system and perfect visibility on the work area are the features that ensure maximum output even in the most difficult situations.

#### Versatility

The PC35R-8 features two forward gears for faster transfers, to be selected using a special pedal in the cab. At the same time, the considerable traction force ensures that the machine can move easily even in the most demanding conditions. The wide boom swing angle allows the PC35R-8 to work without difficulty even in the presence of obstacles or along walls. Large rear guards protect the body of the machine from accidental impacts and improve stability during work. The hydraulic hoses are protected inside the structure of the arms and are screwed onto the jacks to simplify replacement.

#### Maintenance

Routine maintenance takes just a few minutes and is extremely simple to perform, without requiring any special tool. The design of the engine allows all the maintenance operations to be performed from one side only. The counterweight can be easily opened to clean the radiators. The use of special bushings on the arms has made it possible to extend the greasing intervals.







# **S**pecifications



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New generation engine developed to comply with the strictest emission controls (STAGE 2).

	Komatsu 3D84E-3FA
	low emissions 4-cycle diesel engine
	1.496 cm <sup>3</sup>
Cyl. bore x stroke	
Number of cylinders	
	direct injection
	natural aspiration
Rated power:	
(SAE J 1349)	
Max torque	90,0 Nm – 1.800 rpm
	water
	dry
	.electric motor with pre-heating air system
5	for cold climate



Operational mass with standard bucket, fully serviced + 80 kg operator (ISO 6016).

Operating weight with rubber shoes	3.575 kg
Operating weight with steel shoes	3.670 kg
Canopy	135 kg (optional)

# HYDRAULIC SYSTEM

Digging equipment are fully controlled by PPC servo-controls. All movements are stopped by lifting the safety levers on the tiltable cases.





Typehydrostatic transmis	ssion, with 2 speeds controlled
and steered by mean	s of two levers and two pedals
Hydraulic motors	2 x axial pistons
Reduction system	epiclyclic reduction gear
Max traction force	2.847 daN - (2.905 kg)
Travel speed	2,8 - 4,6 km/h



Туре	electrowelded, single unit structure
Max. lifiting above ground level	350 mm
Max depth below ground level.	



# UNDERCARRIAGE

Central lower frame and carriage frame Shoes	
Track rolles	n. 4 each side
Shoes width	300 mm
Ground pressure (standard)	0,29 kg/cm <sup>2</sup>

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Operating voltage	12 V
Battery	
Alternator	
Starter	1,2 kW



Fuel tank	
Radiator and system	,
Engine oil	
Final reduction gears (for each side)	
Hvdraulic oil tank	

# DIMENSIONS





- Data are based on ISO 10567 standard. Above lifting capacities include a 25% safety margin and don't exceed 87% of the actual

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kg

# PC35R-8 MINI-EXCAVATOR

# **STANDARD EQUIPMENT**

<ul><li>Two travel speeds</li><li>Blade</li><li>Swing boom</li></ul>	<ul> <li>2-way equipment circuit</li> <li>TOPS cab with heat and windshield wipers</li> <li>One single key</li> <li>Indicators: <ul> <li>hour meter</li> <li>fuel level</li> <li>engine oil level</li> <li>engine oil pressure</li> </ul> </li> </ul>	<ul> <li>cooling system temperature light</li> <li>engine pre-heating</li> <li>Independent boom-swing control</li> <li>Swing lock pin</li> <li>Internal storage compartment</li> <li>Working light on boom</li> <li>External electric plug</li> </ul>	
<b>O</b> PTIONAL <b>E</b> QUIPMENT			
<ul> <li>Rubber shoes</li> <li>1.750 mm digging arm</li> <li>Completion of attachment's hydraulic circuit up to the arm with quick coupler</li> <li>Clamshell bucket</li> </ul>	<ul> <li>TOPS-FOPS canopy</li> <li>Cab front protection</li> <li>Cab FOPS protection</li> <li>Super Deluxe seat (only for cab)</li> <li>Rotating beacon</li> </ul>	<ul> <li>Biodegradable</li> <li>Digging buckets range (300 ÷ 650 mm)</li> <li>Ditch cleaning bucket (1.300 mm)</li> <li>Hydraulic hammer</li> </ul>	



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This specifications sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.



COMPANY WITH ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFIED BY DNV ===ISO 14001=