



4D105-5



SPECIAL FEATURES

Wide output. The 4D105-5 has various output ratings from 100 to 150. The 4D105-5 has various output ratings from 100 to 150. The 4D105-5 has various output ratings from 100 to 150.

Powerful torque. The 4D105-5 has powerful torque for heavy-duty applications. The 4D105-5 has powerful torque for heavy-duty applications.

Excellent cooling. The 4D105-5 has excellent cooling for high-temperature environments. The 4D105-5 has excellent cooling for high-temperature environments.

Lightweight and compact design. The 4D105-5 has a compact design for easy installation. The 4D105-5 has a compact design for easy installation.

Wide application. A wide range of output ratings for various applications. The 4D105-5 has a wide range of output ratings for various applications.

Excellent reliability. The 4D105-5 has excellent reliability for long-term use. The 4D105-5 has excellent reliability for long-term use.

DESCRIPTION

Item name	Model	Output
Rated power (at 2200 rpm)	100kW	136HP
Rated torque (at 1800 rpm)	3000N·m	33.8HP
Net power (at 2200 rpm)	90kW	123HP
Net torque (at 1800 rpm)	2700N·m	29.4HP
Rated speed	2200rpm	3600min
Rated torque speed	1800rpm	3000min
Rated power	100kW	136HP
Rated torque	3000N·m	33.8HP
Net power	90kW	123HP
Net torque	2700N·m	29.4HP
Weight	1000kg	1100kg
Dimensions		
Length	800mm	1000mm
Width	600mm	700mm
Height	400mm	500mm



ENGINE CASE FEATURES

Engine head: Cast-iron wet cylinder head with 400 psi tensile strength. In casted compression chamber with 100 psi tensile strength. The head is cast in one piece with the cylinder block. The head is cast in one piece with the cylinder block. The head is cast in one piece with the cylinder block. The head is cast in one piece with the cylinder block.

Engine block: Cast iron dry cylinder block with 400 psi tensile strength. The block is cast in one piece with the cylinder head. The block is cast in one piece with the cylinder head. The block is cast in one piece with the cylinder head. The block is cast in one piece with the cylinder head.

Pressure relief valve: Pressure relief valve with 100 psi tensile strength. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head.

Exhaust valve: Exhaust valve with 400 psi tensile strength. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head.

Overhead valve: Overhead valve with 400 psi tensile strength. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head. The valve is cast in one piece with the cylinder head.

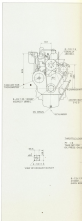
Valve mechanism: Valve mechanism with 400 psi tensile strength. The mechanism is cast in one piece with the cylinder head. The mechanism is cast in one piece with the cylinder head. The mechanism is cast in one piece with the cylinder head. The mechanism is cast in one piece with the cylinder head.

Exhaust system: Exhaust system with 400 psi tensile strength. The system is cast in one piece with the cylinder head. The system is cast in one piece with the cylinder head. The system is cast in one piece with the cylinder head. The system is cast in one piece with the cylinder head.

Intake system: Intake system with 400 psi tensile strength. The system is cast in one piece with the cylinder head. The system is cast in one piece with the cylinder head. The system is cast in one piece with the cylinder head. The system is cast in one piece with the cylinder head.

Water pump: Water pump with 400 psi tensile strength. The pump is cast in one piece with the cylinder head. The pump is cast in one piece with the cylinder head. The pump is cast in one piece with the cylinder head. The pump is cast in one piece with the cylinder head.

Oil pan and oil pump: Oil pan and oil pump with 400 psi tensile strength. The pan and pump are cast in one piece with the cylinder head. The pan and pump are cast in one piece with the cylinder head. The pan and pump are cast in one piece with the cylinder head. The pan and pump are cast in one piece with the cylinder head.



PERFORMANCE

Performance



Maximum torque and full output are available at 1500 RPM. Maximum fuel consumption is 100 L/hr.

- Maximum torque: 100 kgm
- Maximum output: 100 kW
- Fuel consumption: 100 L/hr

Range

Maximum range is 100 km (62 miles) at 100 km/h (62 mph) with a full tank of 100 L (26.4 gallons). Maximum range is 100 km (62 miles) at 100 km/h (62 mph) with a full tank of 100 L (26.4 gallons).

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STANDARD EQUIPMENT

- Engine cooling fan
- Air filter
- Oil filter
- Water pump
- Radiator
- Fan belt
- Timing belt
- Piston rings
- Valves
- Camshaft
- Crankshaft
- Connecting rods
- Bearings
- Gaskets
- Seals
- Oil pan
- Oil pump
- Water pump
- Fan belt
- Timing belt
- Piston rings
- Valves
- Camshaft
- Crankshaft
- Connecting rods
- Bearings
- Gaskets
- Seals
- Oil pan
- Oil pump

OPTIONAL EQUIPMENT

- Air conditioning
- Power windows
- Power locks
- Power mirrors
- Power seats
- Power windows
- Power locks
- Power mirrors
- Power seats
- Power windows
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Standard equipment is subject to change without notice.

KOMATSU LTD.



INDUSTRIAL ENGINE

S4D105-5



◆ 100000 HRS

SPECIAL FEATURES

High torque: The S4D105-5 diesel engine's excellent torque at low rpm makes available power from the start of operations, at engine start-up, starting and maintenance, and during maintenance activities.

Power stability: The S4D105-5 diesel engine's excellent torque from low rpm provides excellent power for the power stability and stability performance of loads.

Excellent service: The S4D105-5 diesel engine's oil cooler, fuel-air mixing device, air filter and water separator, coolant separator, fuel filter and separator and other accessories are easy to service.

Lightweight and compact design: S4D105-5 is an efficient industrial engine with compact, light weight design and simple maintenance.

Wide application: It can meet all kinds of engine power and a variety of applications to meet all kinds of engine requirements.

Excellent service: Good delivery time, engine parts and accessories available.

SPECIFICATIONS

Basic data

	Model	Series
Intake type	Direct injection	Direct
Configuration	Vertical engine	Water

Power 4.2kW (5.7HP) / 2000rpm

Speed 1500rpm

Stroke 100mm

Max torque 30.0kgm (265.0N·m) / 1500rpm

Max torque 30.0kgm (265.0N·m) / 1500rpm

Compression ratio 16.5

Stroke 100mm

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200-100-100 Design Features

Control Head: Operates the gun through front-mounted gun turret and gun drive. The control head is mounted on the gun cradle. It is the main source of power for the gun and is also the main source of power for the gun drive. The control head is also the main source of power for the gun drive.

Control Head: The gun drive control head with the firing and turret drive. The control head is mounted on the gun cradle. It is the main source of power for the gun and is also the main source of power for the gun drive.

Gun and Gunner's Sight: The gun and gunner's sight are mounted on the gun cradle. The gunner's sight is mounted on the gun cradle. The gunner's sight is also the main source of power for the gun and is also the main source of power for the gun drive.

Control Head: The control head with the firing and turret drive.

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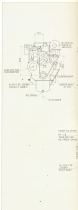
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PERFORMANCE

Performance curve



Flow rate, output, and fuel consumption curve compare, according to roller width, the standard equipment of the R 220-20000.

- | | |
|---------------------------------------|---------------------------------------|
| ● Standard | ○ 60 mm roller (width 2180 x 2080 mm) |
| ■ 60 mm roller (width 2180 x 2180 mm) | □ 60 mm roller (width 2180 x 2280 mm) |

Roller

Standard: The roller settings on the R220 are 18 mm. The roller can be adjusted to compensate for applications of up to 30° between base and roller. 60 mm roller (width 2180 x 2080 mm), 60 mm roller (width 2180 x 2180 mm), and the roller (width 2180 x 2280 mm) are also available.

Roller: The roller settings on the R220 are 18 mm. The roller can be adjusted to compensate for applications of up to 30° between base and roller. 60 mm roller (width 2180 x 2080 mm), 60 mm roller (width 2180 x 2180 mm), and the roller (width 2180 x 2280 mm) are also available.

Rolling equipment: Standard, roller (width 2180 x 2080 mm), roller (width 2180 x 2180 mm), and roller (width 2180 x 2280 mm) are also available. Standard, roller (width 2180 x 2080 mm), roller (width 2180 x 2180 mm), and roller (width 2180 x 2280 mm) are also available.

Note: Rolling roller operation is possible only for rollers. Adjust base to match roller machine's requirements. The equipment is available with roller (width 2180 x 2080 mm).

STANDARD EQUIPMENT

- Fuel tank
- Fuel filter
- Fuel gauge
- Fuel valve
- Fuel pump
- Fuel line
- Fuel hose
- Fuel nozzle
- Fuel control valve
- Fuel injection
- Fuel injection pump
- Fuel injection valve
- Fuel injection control valve

OPTIONAL EQUIPMENT

- 60 mm roller (width 2180 x 2080 mm)
- 60 mm roller (width 2180 x 2180 mm)
- 60 mm roller (width 2180 x 2280 mm)
- Roller
- Roller control valve
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Models and specifications are subject to change without notice.

KOHATSU LTD. (Incorporated in Japan)