



INDUSTRIAL ENGINE

6D125-1



SPECIAL FEATURES

High output: The 6D125-1 diesel engine is a new engine with a new fuel and injection system. With the use of components of the new design, maximum output is being demonstrated under test conditions.

High reliability: Based on Komatsu's proven design with a new engine, injection system, and turbocharger, the 6D125-1 diesel engine will have a long life. The new design fuel and injection system will contribute to better fuel economy.

Excellent service: The maintenance system and design for servicing design of the 6D125-1 engine, including systems, take full use of experience in the maintenance service.

Ergonomic and compact design: Reduced designed an efficient production system with compact diesel engine, service and maintenance, reducing the cost.

Wide applications: It will range of optional equipment and a variety of applications to meet any special use requirements.

Low noise operation: With silencing, noise output meets the international standards.

SPECIFICATIONS

Rated output	120kw	160hp
at 2200rpm		
Maximum	132 kw	180 hp
at 2200 rpm		
Rated torque	400 Nm	295 lb-ft
at 1500 rpm		
Maximum	450 Nm	330 lb-ft
at 1500 rpm		
Fuel	Diesel, with turbo	
Injection system	Electronic	
Injection	Direct injection	
Turbocharger	Turbo	
Dimensions	1200 x 700 x 710 mm	
Net weight	1050 kg	2315 lb
Power-to-weight ratio	1.14 kw/kg	1.54 hp/lb
Compression ratio	16.5:1	
Cylinder bore	100 mm	3.937 in.
Stroke	120 mm	4.724 in.
Displacement	12.0 L	731 cu in.
Bore-to-stroke	0.833	
Length	1200 mm	47.6 in.
Width	700 mm	27.6 in.
Height	710 mm	27.9 in.

KOMATSU

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WATER DESIGN PROCESS

Wastewater design: Also known as effluent design for water pollution abatement treatment. The major purpose of the wastewater design is to provide for the treatment of wastewater. Wastewater treatment processes are based on the use of natural processes to remove pollutants from wastewater. The design process involves the selection of a treatment process and the design of the treatment system.

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Water and sewer lines: Water and sewer lines are the infrastructure that provide water and wastewater services to a community. The design process involves the selection of a treatment process and the design of the treatment system. The design process involves the selection of a treatment process and the design of the treatment system.

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SA6D125-1



SPECIAL FEATURES



High torque. The SA6D125-1 diesel engine is a top performer in our dual-stage combustion system, from the intake of compressed air to the very exhaust manifold system, with maximum torque made in first gear.

High reliability. Based on Komatsu's proven design, the SA6D125-1 diesel engine incorporates technology in SA6D125 diesel engine and parts of large size, demonstrating high reliability, low maintenance and service.

Compact operation. The compression system and special turbocharging design of the SA6D125-1 provide maximum torque. Low fuel oil consumption is due to turbocharging.

Lightweight and compact design. Advanced design and an efficient combustion system make Komatsu diesel engine compact and lightweight, economical machine.

Wide application. It will range of optional equipment offer a variety of applications to meet all specific use, better adaptation.

Variable operation. With changing loads, engine torque and speed automatically.

SPECIFICATIONS

Basic ratings

	Model	Output
Rated power (SAE/JIS/ISO)	250kW	335 HP
Rated power (DIN/BS)	230kW	312 HP

Rated speed 1800 rpm
 Stroke 140 mm
 Stroke/cylinder 140 mm

Rated torque 1000 Nm
 Maximum torque 1100 Nm
 Maximum torque at 1500 rpm 1100 Nm

Rated fuel consumption 180 g/kWh
 Maximum fuel consumption 200 g/kWh
 Maximum fuel consumption at 1500 rpm 190 g/kWh

Rated oil consumption 100 g/kWh
 Maximum oil consumption 120 g/kWh
 Maximum oil consumption at 1500 rpm 110 g/kWh

Rated air consumption 180 m³/kWh
 Maximum air consumption 200 m³/kWh
 Maximum air consumption at 1500 rpm 190 m³/kWh

Rated exhaust gas temperature 450°C
 Maximum exhaust gas temperature 500°C
 Maximum exhaust gas temperature at 1500 rpm 480°C

Rated cooling water consumption 100 l/kWh
 Maximum cooling water consumption 120 l/kWh
 Maximum cooling water consumption at 1500 rpm 110 l/kWh

