



Product Specification

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RT125DINB

Water Cooled Horizontal Diesel Engine

- The RT Series provide excellent durability and reliability for many types of applications.
- **New Piston Design:** The new piston design with deep trochoidal bowls, allows the air to swirl into the bowl faster and smoother, ensuring the fuel and air are mixed in the correct ratio. The complete combustion delivers 3-5% more torque when operating at low revs.
- **Direct Injection (Di) Combustion System:** Fuel is injected directly into the combustion chamber. The resulting heat and pressure is transformed to force, directly driving the piston head providing enhanced horsepower, decreased fuel consumption and an engine that is capable of continuous operation even under heavy work loads.
- **Increased Durability:** Stainless steel valves are stronger and more heat tolerant, resulting in longer lasting cylinder head, saving rebuild costs.
- **Increased Fuel Efficiency:** The new multi injection port increases the number of nozzle sprayers from 4 to 5. The high efficiency injection pump delivers pressure up to 220 kg/cm. Fuel is split into smaller particles and widespread to increase combustion, resulting in complete combustion and reduced air pollution. The edge filter inside the nozzle can prevent clogging within the nozzle sprayer, resulting in a cleaner engine.



SPECIFICATIONS

Type	Water Cooled Horizontal Diesel Engine
Number of Cylinders	1
Bore & Stroke	94mm x 96mm
Combustion System	Direct Injection
Intake System	Naturally Aspirated
Max Output kW/rpm (hp/rpm)	9.2/2400 — 12.5/2400
Cont Output kW/rpm (hp/rpm)	8.1/2400 — 11/2400
Max Torque kgf-m/rpm	4.7/1600
Fuel Tank Capacity (L)	11
Fuel Consumption (g/hp/Hr)	170
Starting System	Electric
OPTIONS	Engine Protection Kits, Auto Start and Shutdown