

Horizontal Water-Cooled Diesel Engine

The horizontal water-cooled diesel engine is a dependable power source for various industrial and agricultural applications. Featuring a water-cooling system, it ensures efficient heat dissipation and stable performance under heavy loads.



Overview

Reliable Horizontal Diesel Power

The R178 horizontal diesel engine is a robust, single-cylinder, four-stroke power source engineered for consistent performance in demanding industrial and agricultural environments. Featuring an efficient water-cooling system, this unit ensures stable operation and effective heat dissipation during heavy-duty tasks. Its compact horizontal configuration simplifies installation and maintenance, making it an ideal choice for generators, water pumps, and various agricultural machinery.

Technical Specifications

Model	R178
Engine Type	Single-cylinder, Water-cooled, Horizontal, Four-stroke
Combustion System	Swirl combustion chamber
Bore x Stroke	78 x 65 mm
Compression Ratio	22

Performance Metrics

Rated Power Output

4.2 kW

1-Hour Rated

3.82 kW

12-Hour Rated

Efficiency

Specific Fuel Consumption	303 g/kW-h
Specific Lube Oil Consumption	4.76 g/kW-h

Systems

Starting Method	Hand crank
Cooling System	Hopper Water-cooled
Lubrication System	Combined pressure and splashing

Physical Dimensions

Physical Specifications

Attribute	Value
Net Weight	d35kg
Overall Dimensions	498 x 294 x 360 mm
Power Output Method	Flywheel end