

Single-Cylinder Horizontal Water-Cooled Diesel Engine

This is a horizontal type, water-cooled diesel engine with a four-stroke cycle and single-cylinder design. It features a 22:1 compression ratio and a rated speed of 2600 RPM.



Overview

High-Performance Horizontal Diesel Engine

This single-cylinder, 4-stroke water-cooled diesel engine is engineered for high-demand agricultural and industrial applications. Featuring a robust prechamber combustion system and a high compression ratio of 22:1, it delivers reliable power for irrigation pumps, generators, and small tractors. Its horizontal design and efficient water-cooling system ensure stable performance even during extended operational periods.

Performance Metrics

Power Ratings

4.85 kW

1-Hour Rated Power

4.41 kW

12-Hour Rated Power

2600 r/min

Rated Speed

Technical Specifications

Combustion Chamber
Prechamber

Model	R175A
Engine Type	Horizontal 4-stroke
Number of Cylinders	1
Bore x Stroke	75 x 80 mm
Total Displacement	0.353 L
Compression Ratio	22:1

Efficiency

Specific Fuel Consumption	280.2 g/kw-h
---------------------------	--------------

Applications

Recommended Applications

- Irrigation Pumps
- Power Generators
- Small Tractors
- Agricultural Machinery