

Horizontal Water-Cooled Diesel Engine

This horizontal water-cooled diesel engine is a robust power source for diverse industrial and agricultural applications. Its horizontal cylinder configuration ensures a compact design and efficient operation, while water cooling regulates temperature for enhanced performance under heavy loads.



Overview

Reliable Horizontal Power

The R176 is a robust single-cylinder, water-cooled diesel engine designed for consistent performance in industrial and agricultural settings. Featuring a horizontal four-stroke configuration and a swirl combustion chamber, it offers a compact yet powerful solution for continuous operations. Its water-cooling system ensures optimal temperature regulation, while the combined pressure and splashing lubrication system enhances durability under heavy loads.

Engine Performance

1-Hour Rated Output

4.2 kW

Rated Output

12-Hour Rated Output

3.82 kW

Rated Output

Compression Ratio

22 :1

Technical Specifications

Cooling System

Hopper Water-cooled

Engine Type

Single-cylinder, Water-cooled, Horizontal, Four-stroke

Combustion System

Swirl combustion chamber

Bore x Stroke

76 x 65 mm

Lubrication System

Combined pressure and splashing

Starting Method

Hand crank

Power Output Method

Output of flywheel end

Efficiency & Dimensions

Specific Fuel Consumption	308 g/kW h
Specific Lube Oil Consumption	4.76 g/kW h
Net Weight	35 kg
Overall Dimensions	498 x 294 x 360 mm