

# 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