

# Single-Cylinder Diesel Engine

This single-cylinder diesel engine is air-cooled with direct injection. It is suitable for applications such as agricultural machinery, generators, and water pumps requiring reliable power.

水冷系列主要技术参数 Main specification of Water-cooled series					
型号 Model	78170	78185	78170	170A	8175A
缸径 Bore	78	85	78	70	80
行程 Stroke	105	110	105	105	110
燃烧室形式 Type of combustion chamber	直喷式 Horizontal 4-stroke			预燃室式 Pre-combustion chamber	
冷却方式 Cooling method	水冷 Water-cooled				
润滑方式 Lubrication method	离心飞溅 Centrifugal lubrication combined oil mist and splash				
启动方式 Starting method	脚踏脚踏 Hand starting				
净重 Net weight (kg)	28	35	40	40	70
外形尺寸 Dimensions (mm)	460*283*343	487*294*364	566*324*415	589*342*440	638*342*440
包装尺寸 Package dimension (L*W*H)	600*305*395	600*305*395	610*310*430	610*310*430	610*310*430

## ADDITIONAL IMAGES



## Overview

### Reliable Single-Cylinder Power Solutions

This series of horizontal 4-stroke single-cylinder diesel engines is designed for versatility and durability in demanding environments. Featuring efficient air-cooled or water-cooled options and direct injection technology, these engines provide consistent power for agricultural machinery, water pumps, and portable generators. With a focus on robust construction and ease of maintenance, they are an ideal choice for reliable, long-term operation.

## Technical Specifications

Engine Type	Horizontal 4-stroke
Cooling Method	Water-cooled
Starting Method	Hand starting
Lubrication Method	Centrifugal lubrication with oil mist and splash

## Performance Metrics

### Featured Performance (R175A Model)

**4.41 kW**

12-Hour Rated Power

**2600 r/min**

Rated Speed

**0.353 L**

Displacement

### Technical Parameters by Model

Model	Displacement (L)	12-Hour Power (kW)	Net Weight (kg)
TR170	0.231	2.94	28
TR165	0.199	2.42	35
TR176	0.295	3.68	60
170A	0.269	3.31	70
R175A	0.353	4.41	70
R180A	0.402	5.15	70

## Applications

Suitable Applications

Agricultural Machinery, Generators, Water Pumps