

# 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	TH170	TH205	TH170	TH170A	TH170A
缸径 Bore	80mm				
行程 Stroke	70mm				
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				
额定功率 Rated power (kW)	20	25	40	40	70
额定转速 Rated speed (r/min)	4000/2800/3000	4800/2800/3000	5600/2800/3000	5600/2800/3000	5600/2800/3000
外形尺寸 Overall dimension (L*W*H)	600*305*395	600*305*395	610*370*450	610*370*450	610*370*450

## 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