

# Water-Cooled Diesel Engine

This diesel engine features a robust design for reliable power generation. It has key specifications including rated power and maximum power output.

水冷系列主要技术参数 Main specification of Water-cooled series					
型号 Model	TR170	TR165	TR176	TR176A	R180A
缸径 Bore	70				
行程 Stroke	70				
燃烧室形式 Type of combustion chamber	涡流室式 Swirl combustion chamber			预燃室式 Pre-combustion chamber	
缸数 Number of cylinders	1				
缸径×行程 Bore×Stroke(mm)	70×70	65×60	70×60	70×70	70×80
排量 Total displacement(L)	0.231	0.199	0.295	0.289	0.355
压缩比 Compression ratio	23:1		22:1		
1小时额定功率 1h rated power(kW)	2.22/2600	2.42/2600	4.05/2600	3.64/2600	4.88/2600
15分钟额定功率 15min rated power(kW)	2.94/2600	2.62/2600	3.66/2600	3.31/2600	4.41/2600
额定转速 Rated speed(rpm)	2600				
额定功率 Rated power(kW)	2.22	2.42	4.05	3.64	4.88
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 Start method	电启动 Electric start				
净重 Net weight(kg)	28	35	60	60	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	610×370×450	610×370×450	

## ADDITIONAL IMAGES



## Overview

### Reliable Water-Cooled Diesel Power

This series of horizontal 4-stroke, single-cylinder diesel engines is engineered for consistent and dependable power generation. Designed with a robust water-cooled system, these engines are suitable for various industrial and agricultural applications. The series offers a range of power outputs and displacements to meet diverse operational requirements, ensuring efficiency and durability in demanding environments.

## Engine Performance

### Key Performance Metrics

**2600 rpm**

Rated Speed

**0.402 L**

Max Displacement

**23 :1**

Max Compression Ratio

## Technical Specifications

### Technical Specifications Overview

Model	1-Hour Power (kW)	Displacement (L)	Weight (kg)
TR170	3.23	0.231	28
TR165	2.42	0.199	35
TR176	4.05	0.295	60
R180A	5.66	0.402	70

## Design Features

### Combustion Chamber Types

- Swirl combustion chamber
- Pre-combustion chamber

### Design Features

Horizontal 4-Stroke, Water-Cooled, Single Cylinder, Hand Starting, Centrifugal Lubrication