

Single-Cylinder Diesel Engine

This single-cylinder diesel engine is designed for a range of applications. It provides reliable power through efficient combustion and a durable construction.

水冷系列主要技术参数 Main specification of Water-cooled series					
型号 Model	TS170	TS205	TS170	TS170A	TS194
缸数 Cylinders	1				
燃烧室形式 Type of combustion chamber	涡流室式 Swirl combustion chamber			预燃室式 Pre-combustion chamber	
缸径 Bore	70	80	70	70	80
行程 Stroke	105	110	105	105	110
排量 Displacement (L)	0.231	0.339	0.290	0.289	0.402
压缩比 Compression ratio	22±1		23±1		
11档转速 (kW/rpm) 11-speed speed (kW/rpm)	3.22/2600	2.43/2600	4.05/2600	3.64/2600	4.88/2600
15档转速 (kW/rpm) 15-speed speed (kW/rpm)	2.94/2600	2.02/2600	3.66/2600	3.31/2600	4.41/2600
额定功率 (kW) Rated power (kW)	3.07				
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				
外形尺寸 (mm) Dimensions (mm)	460*283*343	487*294*364	566*324*415	589*342*440	638*342*440
重量 (kg) Weight (kg)	600*305*295	600*305*295	610*310*340	610*310*340	610*310*340

ADDITIONAL IMAGES



Overview

Robust Single-Cylinder Diesel Engine

This series of horizontal 4-stroke diesel engines is engineered for reliability and efficient performance across diverse industrial and agricultural applications. Featuring water-cooled mechanisms and a choice between swirl or pre-combustion chamber designs, these engines deliver consistent power output. With a compact footprint and durable construction, they are an ideal solution for powering machinery in demanding environments.

Performance Metrics

Key Performance Metrics

5.66 kW

Max 1-Hour Power

2600 rpm

Rated Speed

0.402 L

Max Displacement

Technical Specifications

Technical Specifications

Parameter	Details
Engine Type	Horizontal 4-stroke
Cylinders	1
Cooling Method	Water-cooled
Lubrication	Centrifugal lubrication, oil mist and splash
Starting Method	Hand starting
Compression Ratio	22±1 to 23±1

Model Comparison

Water-Cooled Series Data

Model	Bore x Stroke (mm)	Net Weight (kg)
TR165	65x60	28
TR170	70x60	35
R175A	75x80	60
R180A	80x80	70

Applications

Suitable Applications

Agricultural Machinery, Construction Equipment, Industrial Power, Water Pumping