

Air-Cooled Diesel Engine

This air-cooled diesel engine is designed for various industrial and machinery applications. Its air-cooled design eliminates the need for a radiator.



Overview

Compact Industrial Power

The JC178F is a reliable single-cylinder, 4-stroke air-cooled diesel engine engineered for versatile industrial applications. With a robust swirl combustion chamber design, it delivers consistent power output at both 3000 and 3600 r/min. Its compact, radiator-free architecture makes it an ideal solution for environments where space is limited and water cooling is impractical.

Performance Metrics

Rated Output Power

4 kW

at 3000 r/min

4.4 kW

at 3600 r/min

Specific Fuel Consumption

285.6 g/kW.h

Engine Specifications

Model	JC178F
Engine Type	Single-cylinder, Horizontal, 4-stroke, Air-cooled, Swirl combustion chamber
Bore x Stroke	78 x 62 mm
Displacement	0.296 L
Compression Ratio	20:1

Operational Details

Compatible Fuel

- 0# Diesel (Summer)
- -11# Diesel (Winter)

Starting System

Recoil, Electric Start

Fuel Tank Volume

3.5 L

Maintenance

Lubrication Oil Volume	0.75 L
Recommended Lube Oil	SAE10W31 (above CC grade)

Physical Dimensions

Overall Dimensions (L x W x H)	383 x 421 x 450 mm
Net Weight	33 kg