

Air-Cooled Diesel Engine

The air-cooled diesel engine features a robust design and efficient cooling system. It is suitable for generators, water pumps, and other industrial equipment, ensuring long-term durability and cost-effectiveness.



Overview

Reliable Air-Cooled Diesel Power

This series of single-cylinder, 4-stroke diesel engines features direct injection technology for efficient, consistent operation. Designed for versatility, these engines are suitable for a wide range of industrial applications, including generators and water pumps. With options for both recoil and electric starting systems, they offer flexible integration for various machinery requirements.

Technical Specifications

Comparison Table

Model	Displacement (ml)	Rated Output (kW)	Max Output (kW)
JD170F/E	211	2.5	2.8
JD178F/E	296	3.7	4
JD178FA/E	305	4	4.3

Engine Configuration Single cylinder, 4-stroke, air-cooled, direct injection

Compression Ratio 20

Engine Speed 3000/3600 rpm

Fuel and Lubrication

Fuel Tank Capacity

2.5 L

JD170F/E

3.5 L

JD178F/E & FA/E

Lubrication Oil Volume

0.8 L

JD170F/E

1.1 L

JD178F/E & FA/E

Fuel Type 0# light diesel oil, -10# light diesel oil

Operation and Maintenance

Starting System

Recoil • Electric

Power Take-Off Crankshaft or camshaft

Logistics

Dry Weight (Recoil Start)

- JD170F/E: 26 kg
- JD178F/E & FA/E: 33 kg

Dry Weight (Electric Start)

- JD170F/E: 31 kg
- JD178F/E & FA/E: 38 kg