

# 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