

# Single-Cylinder Air-Cooled Diesel Engine

This is a single-cylinder, air-cooled diesel engine designed for various applications. It features direct fuel injection for efficient combustion and delivers reliable performance.



## Overview

### High-Performance Diesel Engine

This single-cylinder, 4-stroke diesel engine features direct injection technology for efficient combustion and reliable power delivery. Designed for versatility, it is suitable for a wide range of applications including agricultural equipment, construction machinery, and power generation. The air-cooled system ensures consistent performance even in demanding environments, while the compact design allows for easy integration.

## Performance Specifications

### Model Comparison

Specification	JD186F/E	JD186FA/E
Bore x Stroke (mm)	86 x 70	86 x 72
Displacement (ml)	406	418
Rated Output (KW/Hp)	5.7 / 7.75	6.0 / 8.00
Max Output (KW/Hp)	6.3 / 8.57	6.7 / 9.00

Engine Speed	3600 rpm
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Compression Ratio	19
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## Fuel and Lubrication

Compatible Fuel	0# Light Diesel, -10# Light Diesel
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Fuel Tank Volume	5.5 L
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Lubrication Oil Volume	1.65 L
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Fuel Consumption Rate	d280g/KW.h
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## Operation and Maintenance

### Starting System

Recoil • Electric

Power-Take-Off	Crankshaft or camshaft
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## Dimensions and Weight

### Dry Weight

**48 kg**

Recoil Start

**53 kg**

Electric Start

### Engine Dimensions (LxWxH)

417 x 470 x 553 mm