

# Single-Cylinder Air-Cooled Diesel Engine

This single-cylinder, air-cooled engine delivers efficient combustion and consistent performance. It is engineered to meet stringent emission standards while providing ample power for generators, water pumps, and other industrial equipment.



## Overview

### High-Performance Single-Cylinder Diesel Engine

The 186FA is a robust, air-cooled diesel engine designed for reliable power in industrial applications like generators and water pumps. It features a direct fuel injection system for optimized combustion and a durable cast iron cylinder liner for an extended service life. This compact engine is engineered for easy maintenance and efficient operation in demanding environments.

## Performance Metrics

### Performance Highlights

**6.3 kW**

Rated Output

**3600 r/min**

Rated Speed

**0.418 L**

Displacement

## Technical Specifications

### Engine Internal Specs

Parameter	Value
Bore x Stroke	86 x 72 mm
Compression Ratio	19:1
Net Weight	47 kg

## Efficiency & Consumption

Specific Fuel Consumption	280 g/kW·h
Specific Oil Consumption	4.08 g/kW·h

## System Features

### Core Systems

- Air-Cooled Cooling System
- Direct Fuel Injection System
- Cast Iron Cylinder Liner
- Heavy-duty Air Intake Filter
- Recoil Starter (Standard)
- Electric Start (Optional)

## Applications

### Typical Use Cases

Generators, Water Pumps, Industrial Equipment, Mobile Power Solutions, Stationary Power