

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