

ZD180FAE Engine for Industrial Machinery

The ZD180FAE engine is a robust and reliable power source designed for various applications within the electric power and power generation sectors. It is typically used in boilers, heat exchangers, combustion equipment, and other machinery requiring a dependable source of mechanical power.



Overview

Industrial Power Solution

The ZD180FAE is a robust single-cylinder, air-cooled, four-stroke engine engineered for demanding industrial machinery. Featuring a versatile output of 4.3kW to 5.0kW, it is designed for consistent performance in various power generation and combustion applications. Its compact frame and dual starting system options ensure it integrates seamlessly into existing equipment setups.

Performance Metrics

Key Performance Metrics

5 kW

Max Rated Output

3600 r/min

Max Rotation Speed

311 ml

Displacement

Technical Specifications

Core Engine Specs

| Parameter | Value |
|------------------------|---------------------------------------|
| Type | Single Cylinder, Air-cooled, 4-stroke |
| Cylinder Bore x Stroke | 80 x 62 mm |
| Compression Ratio | 20:01 |
| Starting Mode | Recoil or Electric |
| Lubrication Mode | Pressure Splashed |

Fuel & Lubrication

- Fuel Tank Capacity: 3.5 L
- Fuel Consumption: d275-280 g/kw.h
- Lubricating Oil Capacity: 1.1 L
- Recommended Oil: SAE10W30 or CD

Physical Dimensions

Size and Weight

33 kg

Net Weight

385 mm

Length

420 mm

Width

450 mm

Height