

# Air-Cooled Single-Cylinder Diesel Engine

This air-cooled, single-cylinder diesel engine has a maximum power of 4.4KW(6.0HP). It can be used with various devices through different output shafts.



## ADDITIONAL IMAGES



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Direct Injection Technology  Large Torque

Optional To Be Upgraded For Euro 5 Emission Standard  Strong Environmental Adaptability

MODEL		KM178F
Bore *Stroke	mm(inch)	78*62 (3.11*2.44)
Displacement	ml(cc)	296(18.1)
Engine speed	rpm	3000/3600
Rated Output Power	KW(hp)	3.7(5.0)/4.4(6.0)
Max Output Power	KW(hp)	4.4(6.0)/4.4(6.0)

KM178F CHARACTERISTICS CURVES

## Overview

### High-Performance Air-Cooled Diesel Engine

The KM178F is a versatile, air-cooled single-cylinder diesel engine engineered for reliability and efficiency across various industrial applications. Featuring advanced direct injection technology, this engine offers optimized fuel consumption, easy starting, and low emissions compliant with Euro 5 standards. Its compact, lightweight design and robust construction ensure it can withstand harsh environmental conditions, including high altitudes up to 4500m and extreme temperatures ranging from -41°C to +46°C.

## Performance Metrics

### Rated Output Power

**3.7 kW**

At 3000 rpm

**4 kW**

At 3600 rpm

### Maximum Output Power

**4 kW**

At 3000 rpm

**4.4 kW**

At 3600 rpm

## Technical Specifications

Bore and Stroke	78 x 62 mm (3.07 x 2.44 inches)
Displacement	296 ml
Engine Speed	3000/3600 rpm

## Features & Benefits

### Compliance

Euro 5 Certified

### Key Advantages

- Lightweight and compact structure
- Direct injection optimization for fuel efficiency
- High reliability in harsh environments
- Low smoke emissions
- Easy to start

## Environmental Adaptability

### Environmental Limits

Condition	Limit
Max Altitude	4500 m
Min Temperature	-41 °C
Max Temperature	+46 °C