

# Single-Cylinder Diesel Engine 10-15 HP

Single-cylinder diesel engine features robust construction and reliable performance. It is designed for agricultural machinery, power generation, and construction equipment.



## Overview

### High-Performance Single-Cylinder Engine

The ZS1105Y is a robust four-stroke horizontal diesel engine engineered for versatility and reliability in demanding environments. With a displacement of 0.996 liters and a rated power output of 12.94 kW, it is optimized for agricultural machinery, power generation, and heavy-duty construction tasks. Its direct injection combustion system ensures operational efficiency, while the water-cooled mechanism maintains stability during extended periods of use.

## Technical Performance

### Key Performance Metrics

**12.94 kW**

Rated Power

**2200 r/min**

Rated Speed

**0.996 L**

Displacement

## Technical Specifications

### Engine Build

Parameter	Value
Model	ZS1105Y
Cycle	4-Stroke
Cylinder Diameter	105 mm
Piston Stroke	115 mm
Combustion System	Direct Injection

## Operational Efficiency

### Consumption Rates

- Specific fuel consumption: d251.6 g/kw.h
- Specific lube oil consumption: d2.04 g/kw.h

## Physical Properties

### Size and Weight

- Dimensions: 840 x 420 x 669 mm
- Net Weight: 160 kg

## Configuration

System Configuration

Water-cooled, Horizontal, Hand Starter, Single-Cylinder