

# Single-Cylinder Diesel Engine RD140N

The RD140N is a robust diesel engine designed for power generation. It features direct injection for efficient combustion and is engineered for durability in demanding environments.

型号	Model	RD120N	RD140N	RD180N
形式	Type	单缸、卧式、水冷 Single-cylinder horizontal, 4-stroke water-cooled		
排量	Displacement l	0.631	0.739	0.998
缸径行程	Bore x Stroke mm	96x90	98x98	110x105
额定功率	Continuous output kW(rpm)	8.08(112/2400)	12.5(92/2400)	12.16(3/2400)
最大功率	Maximum output kW(rpm)	8.82(12/2400)	14.10(3/2400)	13.2(18/2400)
燃油系统	Combustion system	直喷式 Direct injection		
燃油消耗率	Specific fuel consumption g/kWh	250	250	245
启动方式	Starting method	手摇启动 Hand crank (可选电启动)		
润滑油容量	Lubricating oil capacity L	3	3	3.5
水箱容量	Cooling water capacity L	2.3	2.3	2.6
重量	Net weight kg	113(115)	115(117)	132(135)
外形尺寸	Overall dimensions(LxWxH)mm	825x382x488	825x382x488	850x382x508

## ADDITIONAL IMAGES



## Overview

### Robust Industrial Diesel Engine

The RD140N is a heavy-duty, single-cylinder 4-stroke diesel engine designed for reliable power generation in industrial and agricultural settings. It features a water-cooled system and direct injection technology to ensure efficient combustion and optimal fuel economy. With a high power output, this engine is built for durability and ease of maintenance in demanding environments.

## Technical Specifications

### Performance Metrics

**14 kW**

Maximum Output

**12.5 kW**

Continuous Output

**2400 rpm**

Rated Speed

### Engine Configuration

Feature	Value
Type	Single-cylinder, Horizontal, 4-stroke, Water-cooled
Displacement	0.739 L
Bore x Stroke	98x98 mm
Combustion System	Direct Injection
Starting Method	Hand crank (Electric start option)

### Fluid Capacities and Efficiency

- Specific Fuel Consumption: 250 g/kW.h
- Lubricating Oil Capacity: 3 L
- Cooling Water Capacity: 2.3 L

## Physical Dimensions

### Dimensions and Weight

- Net Weight: 115 kg (117 kg)
- Dimensions (LxWxH): 825x380x498 mm

## Features

### Key Highlights

Water-cooled, Direct Injection, Heavy-duty construction, Integrated Head Lamp