

Single-Cylinder Diesel Engine

This single-cylinder diesel engine is designed for power generation and industrial use. Direct injection technology ensures efficient fuel combustion and reliable performance.

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	0.651	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)	12.50(2/2400)	12.16(3/2400)
最大功率	Maximum output kW(rpm)	8.82(12/2400)	14.10(3/2400)	13.21(8/2400)
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	805x360x498	825x380x498	850x380x508

ADDITIONAL IMAGES



Product Overview

Robust Power Generation

The RD120N is a reliable single-cylinder diesel engine engineered for industrial applications and power generation. It features efficient direct injection technology, ensuring stable performance and consistent output in demanding work environments. The compact design facilitates easy installation, while durable construction supports long-term operational needs.

Technical Specifications

Performance Metrics

12 HP

Maximum Output

8.82 kW

Max Power

2400 rpm

Rated Speed

Physical Dimensions

- Displacement: 0.651L
- Bore x Stroke: 96x90mm
- Overall Dimensions: 805x360x498mm
- Net Weight: 113kg

Engine Type

Single-cylinder, horizontal, 4-stroke, water-cooled

Operational Features

Combustion System

Direct Injection

Starting Method

Hand Crank, ES Electric Start

Specific Fuel Consumption

250 g/kW.h

Capacity

Fluid Capacities

Fluid Type	Capacity
Lubricating Oil	3L
Cooling Water	2.3L