

12kW Silent Diesel Generator

This 12kW silent diesel generator is designed for reliable power generation with minimal noise. Enclosed in a soundproof canopy, the generator is suitable for use in noise-sensitive environments.



ADDITIONAL IMAGES



Overview

Reliable Silent Power Solution

This 12kW silent diesel generator is engineered for consistent and quiet power delivery, making it an ideal choice for residential, commercial, and noise-sensitive environments. Featuring a robust 4-stroke engine and a high-efficiency alternator, it provides reliable prime and standby power. The unit is encased in a soundproof canopy to minimize noise pollution while ensuring stable operation across various load conditions.

Performance Metrics

Power Output

12 kW Prime Power	13 kW Standby Power	1500 RPM Rated Speed
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Certifications & Standards

ISO, CE, SGS, TÜV Rheinland

Engine Specifications

Engine Configuration

Parameter	Specification
Cylinders	4 In-Line
Cycle	4 Stroke
Displacement	2.27 L
Compression Ratio	17:1
Governing	Electronic

Fuel Consumption (100% Load)

3.5 L/h

Alternator Specifications

Key Features

- 100% Copper Windings
- IP23 Protection
- Self-excited, SHUNT Excitation
- Voltage Regulation $\pm 1.0\%$

General Specifications

Electrical Configuration

- 400V / 230V Voltage
- 50Hz Frequency
- 3 Phase, 4 Wires
- 0.8 Power Factor

Operating Conditions

40 °C Ambient Temp • 1000m Altitude