

# 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

<b>12 kW</b> Prime Power	<b>13 kW</b> Standby Power	<b>1500 RPM</b> 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