

# 50kVA 40kW Soundproof Diesel Generator

This soundproof diesel generator delivers 50kVA of power, equivalent to 40kW. The generator is enclosed in a sound-attenuated canopy made of galvanized metal sheet.



## ADDITIONAL IMAGES



## Overview

### High-Performance Soundproof Power Solution

This 50kVA diesel generator is engineered for reliable power delivery in noise-sensitive environments, featuring a robust sound-attenuated canopy made from 1.8mm galvanized steel. Powered by a high-efficiency 4-cylinder turbocharged engine, it provides a stable 40kW prime power output suitable for industrial, commercial, and emergency backup applications. The system is designed for durability and ease of maintenance with integrated drainage points and a comprehensive digital control interface.

## Performance Metrics

### Power Ratings

**50 kVA**

Prime Power

**40 kW**

Prime Power

**55 kVA**

Standby Power

**44 kW**

Standby Power

## Engine Specifications

### Engine Technical Data

Feature	Specification
Engine Type	4-cycle, In-line, 4-cylinder
Aspiration	Turbocharged & Aftercooled
Displacement	3.9 L
Bore x Stroke	102 * 120 mm
Compression Ratio	17.3:1
Governor Type	Electronic
Rated Speed	1500 rpm

## Alternator & Electrical

### Electrical Characteristics

Parameter	Value
Voltage	230V / 400V (Adjustable)
Frequency	50 Hz
Phase	3 Phase, 4 Wire
Power Factor	0.8
Voltage Regulation	±0.5%
Insulation Class	H
Protection Rating	IP23
Efficiency	88.2%

### Physical Construction



Detailed view of maintenance access points including fuel, coolant, and engine oil drainage for easy servicing.

### Enclosure & Build

- Soundproof canopy made of 1.8mm galvanized steel plates
- Anti-vibration mountings between engine/alternator and base frame
- Integrated 8-hour capacity fuel tank base (100L)
- Residential muffler and exhaust bellows for noise reduction
- High-quality powder coating for weather protection

### Operational Systems

#### Operational Data

System	Capacity/Value
Fuel Consumption (100% Load)	12.9 L/H
Lube Oil Capacity	8.5 - 9.5 L
Coolant Capacity (Engine)	8.3 L
Radiator Cooling	Up to 50°C ambient
Electric System	12V / 24V DC

## Dimensions & Weight

### Physical Dimensions

Metric	Value
Length	2250 mm
Width	1000 mm
Height	1490 mm
Gross Weight	1300 kg

## Standard Components

### Included Components

LCD Control Panel, AMF Function, Circuit Breaker, Batteries, Battery Charger, Fuel Water Separator, O&M Manual, Factory Test Certificate

## Certifications

### Compliance & Standards

CE • ISO 9001 • ISO 14001 • OHSAS