

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