

# 248kVA 198kW 50Hz Silent Diesel Generator Set

This silent diesel generator set delivers 248kVA or 198kW of power at 50Hz. It features a soundproof enclosure to minimize noise pollution, making it suitable for noise-sensitive environments.



## ADDITIONAL IMAGES



## Overview

### High-Performance Silent Power Solution

This 248kVA diesel generator set is engineered for reliable prime and standby power in noise-sensitive environments. Featuring a high-torque engine and a corrosion-resistant silent canopy, it ensures stable performance even in harsh conditions. Designed for versatility, it supports applications ranging from industrial facilities and medical centers to municipal construction and banking systems.

## Performance Metrics

### Power Ratings

**248 kVA**

Standby Power

**198 kW**

Standby Power

**50 Hz**

Frequency

## Engine Specifications

### Engine Configuration

Feature	Specification
Cylinders	6 In-Line
Cycle	4 Stroke
Bore / Stroke	114 mm / 135 mm
Displacement	8.9 L
Compression Ratio	16.6:1
Induction	TCA
Governing Type	Electronic
Cooling Method	Water Cooled

### Fluid Capacities

Fluid Type	Capacity
Lubricant Oil (15W40-CF4)	27.6 L
Coolant Capacity	11.1 L
Fuel Tank	8hour capacity

## Physical Design



The fully enclosed soundproof canopy provides excellent weather protection and noise reduction.

### Canopy & Enclosure

- High-quality sheet metal construction
- Corrosion-resistant and scratch-resistant finish
- Waterproof and dust-proof sealing performance
- Sound-attenuated for low noise operation
- Integrated crane and forklift points for easy transport
- 50°C radiator for soundproof type

Soundproof Set Dimensions	3530 x 1150 x 1900 mm
Soundproof Set Weight	2450 kg

## Control & Protection



Precision electrical assembly and quality control inspection.

### Control Features

- Omni-directional control panel
- Real-time operation inspection and data display
- Monitoring and alarm shutdown features
- RS232/RS485 communication interfaces
- Optional Automatic Transfer Switch (ATS)
- Overload, short-circuit, and open-phase protection
- High temperature and low oil pressure protection

## Operational Limits

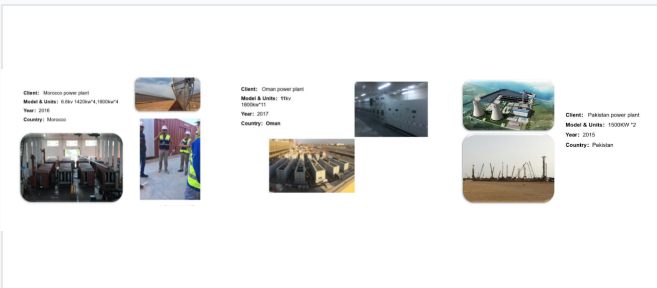
### Environmental Limits

Parameter	Value
Ambient Temperature Range	-15°C to 50°C
Altitude (No Power Dissipation)	Up to 3000m
Voltage Setting Range	95-105% of rated voltage
Noise Level	75 dBA at 7 meters

## Quality & Compliance

Compliance Standards	ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007, CE Certified, EU & EPA Environmental Engine
Pre-Delivery Testing	1-hour full load test sequence (25%, 50%, 75%, 100%, and 110% load)

## Applications



Proven track record in utility-scale power installations globally.



Reliable power supply for heavy industrial operations in demanding environments.

### Target Industries

Medical & Healthcare • Data Centers • Banking • Mining & Oil Fields • Municipal Construction • Transportation Hubs • Hotels