

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

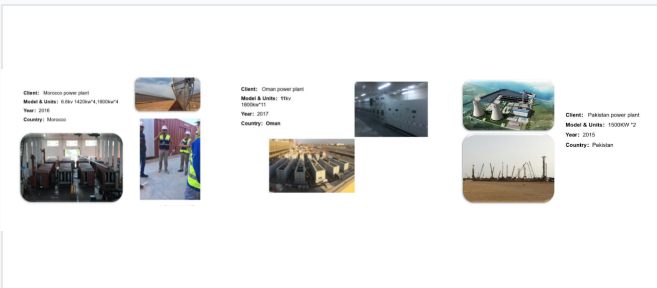
Environmental Limits

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