

138kVA 110kW 50Hz Silent Diesel Generator

This 138kVA diesel generator provides a reliable 110kW power output at 50Hz. The soundproof enclosure ensures quiet operation for various applications.



ADDITIONAL IMAGES



Overview



Easy access panels allow for straightforward maintenance and electrical connection servicing.

Reliable High-Capacity Power Solution

This 138kVA silent diesel generator is engineered for high-torque performance and easy maintenance, making it an ideal primary or backup power source for demanding B2B applications. Featuring a corrosion-resistant, high-quality sheet metal canopy, it offers exceptional waterproof and dust-proof protection for reliable operation in harsh environments. The unit is designed with a focus on low noise emissions and user-friendly omni-directional controls to ensure a seamless power management experience.

Performance Metrics

Rated Output

138 kVA

Prime Capacity

110 kW

Prime Power

50 Hz

Frequency

Engine Specifications

Engine Technical Data

Parameter	Specification
Configuration	6-Cylinder, In-Line
Cycle	4-Stroke
Bore / Stroke	102 mm / 120 mm
Compression Ratio	17.3:1
Displacement	5.9 L
Induction Type	TCA
Governing Type	Electronic
Cooling Method	Water Cooled
Lubricant Capacity	16.4 L
Coolant Capacity	10 L

Alternator & Electrical

Alternator Features

- 100% Copper Windings
- Insulation Class: H
- Protection Rating: IP23
- Voltage Regulation: $\pm 1.0\%$
- Excitation System: Self-excited, SHUNT
- Winding Pitch: 2/3
- THF (BS EN60034-1): $< 2\%$
- TIF (NEMA MG 1-22): < 50

Physical Design



Fully enclosed and plastic-wrapped units secured on pallets for safe international shipping.

Enclosure & Handling

Silent Canopy, Corrosion-Resistant, Scratch-Resistant, Rain-Proof, Dust-Proof, Crane Lifting Points, Forklift Pockets, Integrated Fuel Tank

Operational Limits

Operating Environment

Condition	Value
Ambient Temperature Limit	50 °C
Lower Temperature Limit	-15 °C
Max Altitude (No Power Dissipation)	3000 m
Fuel Tank Autonomy	e 8Hours
Noise Level	72 dBA @ 7m

Protection & Control

Safety & Monitoring

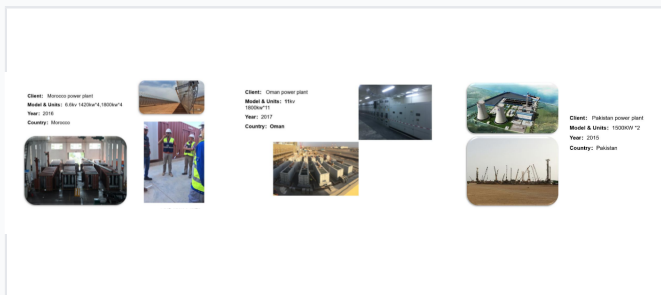
- Low Oil Pressure Shutdown
- Overvoltage Protection
- Overspeed Protection
- Overload Protection
- Short-Circuit Protection
- High Water Temperature Protection
- RS232/RS485 Communication Interfaces
- Optional ATS (Automatic Transfer Switch)

Quality & Compliance

Certifications

ISO 9001:2008 • ISO 14001:2004 • OHSAS 18001:2007 • CE Certified • EU Environmental Compliant • EPA Environmental Compliant

Applications



Proven track record in international power plant projects across Morocco, Oman, and Pakistan.



Reliable power solutions deployed for mining and oil field operations in Canada and Syria.

Target Industries

Telecommunications, Construction Sites, Medical Facilities, Data Centers, Mining Operations, Hotels & Commercial Buildings, Airports & Harbors