

# 28kVA 22kW 50Hz Diesel Generator Set

This diesel generator set delivers a reliable 50Hz power solution with an output of 28kVA (22kW). It features a durable enclosure for noise reduction and weather protection.



## ADDITIONAL IMAGES



## Overview



Easy access panels and standard electrical terminals for simplified maintenance and connection.

### Reliable 28kVA Diesel Power Solution

This 28kVA (22kW) diesel generator set is engineered for high torque and easy maintenance, providing a robust power source for both prime and standby applications. Featuring a corrosion-resistant cabinet made of high-quality sheet metal, it offers excellent waterproof and dust-proof protection for operation in harsh environments. The unit is designed for easy transportation via crane or forklift and includes an integrated fuel tank providing over 8 hours of continuous operation.

## Key Performance Metrics

### Performance Highlights

**28 kVA**

Standby Power

**22 kW**

Standby Power

**50 Hz**

Frequency

**68 dBA**

Noise Level @ 7m

## Engine Specifications

Engine Configuration	4-cylinder in-line, 4-stroke
Displacement	3.9 L
Bore / Stroke	102mm / 120mm
Cooling Method	Water-cooled
Governing Type	Electronic

## Alternator & Electrical

### Alternator Features

- 100% Copper Windings
- AS480 AVR Model
- Voltage Regulation  $\pm 1.0\%$
- Insulation Class H
- IP23 Protection Rating
- Single Bearing

## Construction & Design



Units are securely packaged to ensure safe international delivery to project sites.

### Design Features

Soundproof Canopy, Corrosion-Resistant, High Waterproof, Dust-proof, Forklift/Crane Slots

## Operational Limits

Operating Temperature Range	-15°C to 50°C
-----------------------------	---------------

## Quality & Testing

### Rigorous Load Testing

Every unit undergoes a comprehensive 1-hour test before delivery, covering 25%, 50%, 75%, 100%, and 110% load levels. Testing parameters include soundproof levels, frequency and voltage control, oil/fuel/water systems, and all safety protection functions.

### Compliance & Certifications

ISO 9001 • ISO 14001 • OHSAS 18001 • CE Certified

## Applications

### Ideal For

- Hotels & Hospitality
- Medical Facilities & ICUs
- Data Centers & Banking
- Municipal Construction
- Telecommunications Infrastructure
- Factory Standby Power

## Project References

### Global Installation Examples

Region	Application	Configuration
Morocco	Power Plant	6.6kv High Voltage Units
Oman	Power Plant	11kv High Voltage Units
Canada	Mining	10.5KV Synchronized Sets
Syria	Oil Field	1250kw/1000kw Units