

# 110kVA 88kW Diesel Generator Set, 50Hz








This diesel generating set delivers 110kVA (88kW) of power at 50Hz. It features a durable enclosure providing noise reduction and weather protection.



## ADDITIONAL IMAGES



## Overview

<p><b>Client:</b> Morocco power plant <b>Model &amp; Units:</b> 6.6kv 1420kw*4,1800kw*4 <b>Year:</b> 2016 <b>Country:</b> Morocco</p> 	 	<p><b>Client:</b> Oman power plant <b>Model &amp; Units:</b> 11kv 1800kw*11 <b>Year:</b> 2017 <b>Country:</b> Oman</p> 		<p><b>Client:</b> Pakistan power plant <b>Model &amp; Units:</b> 1500KW *2 <b>Year:</b> 2015 <b>Country:</b> Pakistan</p>  
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Reference projects showing large-scale deployment of power generation units in Morocco, Oman, and Pakistan.

## Reliable 110kVA Diesel Power Solution

This 110kVA (88kW) diesel generator set is engineered for high-torque performance and easy maintenance in demanding B2B environments. Designed with a high-quality, corrosion-resistant sheet metal canopy, it offers superior waterproofing and dust protection for both indoor and outdoor use. The system features an integrated control panel for omni-directional monitoring, ensuring safe and efficient power delivery for industrial, commercial, and emergency backup applications.

## Performance Metrics

### Rated Power Output

<p><b>110 kVA</b> Standby Capacity</p>	<p><b>88 kW</b> Standby Power</p>	<p><b>100 kVA</b> Prime Capacity</p>	<p><b>80 kW</b> Prime Power</p>
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## Engine Specifications

### Engine Technical Data

Feature	Specification
Configuration	6-Cylinder, In-Line
Cycle	4-Stroke
Displacement	5.9 L
Bore x Stroke	102mm x 120mm
Compression Ratio	17.3:1
Governing Type	Electronic
Cooling Method	Water Cooled
Induction	TCA

## Alternator & Electrical



Detail of high-current electrical cabling and terminal connections during the assembly process.

### Alternator Characteristics

- 100% Copper Windings
- Insulation Class H
- IP23 Protection Level
- AVR Model AS440 with  $\pm 1.0\%$  Regulation
- 2/3 Winding Pitch
- Self-excited SHUNT system

## Physical Construction



Soundproof enclosed generator set prepared for secure international shipping.

### Enclosure & Mobility

Soundproof Canopy, Corrosion-Resistant, Scratch-Resistant, Weatherproof, Crane/Forklift Ready, Integrated Fuel Tank

## Operational Features

### Operational Capabilities

- 8-hour continuous run fuel tank
- 50°C Radiator for soundproof models
- Automatic Mains Failure (AMF) support
- Remote monitoring via RS232/RS485
- Low noise emissions (approx. 70-72 dBA @ 7m)
- Parallel operation capability for multiple units

## Safety & Protection

### Protection Systems

Low Oil Pressure Shutdown, Overvoltage Protection, Overspeed Protection, Overload Protection, High Temperature Protection, Short-Circuit Protection

## Compliance & Quality

### Certifications & Standards

ISO 9001:2008 • ISO 14001:2004 • OHSAS 18001:2007 • CE Certified • 98/37/EC Machinery Safety • 2005/88/EC Outdoor Noise

## Quality Control

### Testing Protocol

Each unit undergoes a rigorous 1-hour pre-delivery test at 25%, 50%, 75%, 100%, and 110% load levels.