

Diesel Generator Set

This diesel generator set utilizes a diesel engine as its power source and is applicable to 13.5-920kW generator sets. It features optional mechanical or electrical governors, providing excellent speed response characteristics.



Overview

Robust Power Generation Solution

This diesel generator set is engineered as a reliable, integrated power station designed for prime, backup, and mobile power applications. It features a high-efficiency synchronous alternator with a four-pole rotating magnetic field and advanced brushless excitation for consistent electrical output. Built for durability and ease of use, the unit includes an integrated vibration damping system and comprehensive monitoring capabilities, ensuring stable performance in demanding environments.

Alternator Specifications

Insulation Grade

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Winding Design

- 2/3 pitch winding for harmonic elimination
- Rotor damper windings for wave distortion minimization
- High-quality electromagnetic winding coil

Excitation System

Brushless rotating exciter with rotor/stator exciting system and three-phase rectified bridge

Performance & Control

Operational Metrics

4 count

Poles

Voltage Regulation

Auxiliary AVR ensures steady state voltage deviation compliant with ISO 8528G3

Output Configuration

Three-phase four-wire, star connection

Construction & Design

Vibration Control

Single-ended support mounting with internal rubber vibration dampers

Safety Features

Low oil pressure shutdown, High coolant temperature shutdown, Overload protection, Automatic monitoring