

300kW Silent Diesel Generator Set

This 300kW diesel generator set provides reliable backup power for various applications. It is enclosed in a soundproof canopy, minimizing noise pollution.



ADDITIONAL IMAGES



Overview

High-Performance Silent Diesel Generator

This 300kW silent diesel generator set is engineered to provide reliable and consistent backup power for industrial, commercial, and residential applications. Housed in a soundproof canopy, it ensures quiet operation while maintaining high efficiency and durability. The unit features a comprehensive, self-starting control panel that monitors critical performance metrics, including voltage, frequency, and engine health, offering seamless integration into your power infrastructure.

Performance Metrics

Power Output

300 kW
Rated Power

375 kVA
Rated Power

351 kW
Spare Power

Full Load Fuel Consumption: 205 g/kw.h

Noise Level (at 7m): 75 dB

Electrical Specifications

Electrical Characteristics

Parameter	Value
Rated Voltage	400/230V
Rated Current	540A
Rated Frequency	50Hz
Power Factor	0.8 (lag)
Phase Connection	Three-phase four-wire

Engine Details

Engine Specifications

- Type: Four-stroke, waste gas turbine boost, direct injection
- Cylinders: 6
- Displacement: 14L
- Bore x Stroke: 140mm x 152mm
- Rotating Speed: 1500r/min
- Cooling System: Forced closed-cycle water cooling with fan
- Lubricating Oil Capacity: 38L

Generator Details

Generator Features

Brushless, AVR Automatic Voltage Regulation, H-Class Insulation, IP22 Protection

Control & Operation

Advanced Control System

The unit is equipped with a self-starting control panel that supports both automatic and manual start functions, with adjustable timing between 15-50 seconds. It includes automatic input and switching capabilities. The display provides real-time monitoring of three-phase voltage, frequency, current, oil pressure, oil temperature, coolant temperature, unit speed, operating hours, and battery voltage. Safety features include alarms and automatic shutdowns for over-speed, low oil pressure, high water temperature, and electrical faults like over-voltage, under-voltage, and frequency deviations.

Physical Dimensions

Physical Dimensions & Weight

- Dimensions: 4300 x 2000 x 2250 mm
- Total Weight: 5300 kg