

# Diesel Generator Set, 10 kVA to 300 kVA

This diesel generator set provides reliable power ranging from 10 kVA to 300 kVA. It is engineered for both prime and standby power applications, featuring a durable enclosure and a user-friendly control panel.



## Overview

### Reliable Industrial Power Generation

This high-tech diesel generator range offers versatile power solutions from 10 kVA to 300 kVA, designed for both prime and standby applications. Engineered for reliability in industrial, commercial, and residential settings, these units feature a robust design with international build quality. Each set is equipped with advanced digital control systems and safety features to ensure consistent performance and easy maintenance.

## Power Performance

### Key Power Ratings

**66 kVA**

Standby Power

**60 kVA**

Prime Power

**0.8 Cos φ**

Power Factor

## Engine Specifications

### Engine Characteristics

Feature	Specification
Engine Type	4-stroke diesel, Direct Injection
Aspiration	Turbocharged
Cylinders	6-L
Bore x Stroke	102 x 120 mm
Displacement	5.9 L
Cooling System	Water-cooled
Governor Type	Electronic

## Alternator Data

### Alternator Details

- 4 Poles
- Star-series winding connections
- H class insulation
- IP23 Enclosure protection
- Self-excited, brushless excitation
- Electronic AVR voltage regulator
- Single bearing with flexible disc coupling

## Control & Monitoring

### Operation Modes

- OFF
- Manual starting
- Automatic starting
- Automatic test

### Digital Instrumentation

Voltage Monitoring, Frequency, Current, Battery Voltage, Power (kVA-kW-kVAR), Hours-counter, Engine Speed (RPM), Fuel Level (%)

## Safety & Protection

### Safety Protections

Low Fuel Level • Low Oil Pressure • High Engine Temp • Under/Over Voltage • Overload • Emergency Stop • Earth Fault Protection

## Fuel Consumption

### Fuel Consumption (PRP)

Load Percentage	Consumption
100% Load	12.9 L/H
75% Load	10 L/H
50% Load	7 L/H

## Physical Dimensions

### Silent Set Dimensions

Parameter	Value
Length (Dim A)	2517 mm
Width (Dim B)	1055 mm
Height (Dim C)	1250 mm
Dry Weight	1250 kg
Fuel Tank Capacity	100 L

## Compliance

### Quality Standards

ISO 9001, ISO 14001, ISO 18001, ISO 8528-1