

1000kVA 800kW Containerized Diesel Generator Set

This containerized diesel generator set delivers 1000kVA (800kW) of power. The soundproof container ensures quiet operation and easy transportation.



ADDITIONAL IMAGES



Overview

High-Capacity Containerized Power Solution

This 1000kVA diesel generator set is housed in a rugged, soundproof container designed for easy transportation and immediate deployment in demanding environments. It features a high-performance 12-cylinder engine and a brushless alternator, ensuring reliable prime and standby power for industrial, commercial, and emergency applications. The unit is constructed with galvanized metal sheets and includes a comprehensive control system for seamless operation and monitoring.

Performance Metrics

Power Ratings

1000 kVA
Prime Power

800 kW
Prime Power

1100 kVA
Standby Power

880 kW
Standby Power

Engine Specifications

Engine Details

Parameter	Specification
Configuration	4-cycle, 60° Vee, 12-cylinder
Aspiration	Turbocharged & Aftercooled
Governor Type	Electronic
Displacement	37.8L
Bore * Stroke	159 * 159mm
Compression Ratio	13.9:1
Engine Speed	1500rpm
Fuel Consumption (100% Load)	209L/H

Alternator & Electrical

Alternator Specifications

- Brushless type with 100% copper wirings
- 3 Phase, 4 Wire configuration
- Insulation Class: H
- Protection Rating: IP23
- Voltage Regulation: $\pm 0.5\%$
- Power Factor: 0.8 (Cos Phi)
- Efficiency: 94.2%

Physical Construction



Detailed view of the generator's external service ports for fuel, coolant, and oil drainage.

Dimensions & Weight

Metric	Value
Length	6058mm
Width	2438mm
Height	2590mm
Gross Weight	9000kg
Canopy Material	Galvanized steel plates (1.8mm thickness)

System Features

Standard Features

Soundproof Canopy, Anti-vibration Mountings, Residential Muffler, Exhaust Bellows, 50°C Radiator, 8-Hour Fuel Tank Base, LCD Control Panel, AMF Function, Battery Charger

Operational Limits

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Condition	Limit
Altitude	d 1000m
Overspeed	2250 Rev/Min
Total Harmonics (TGH/THC)	< 4%
Wave form (NEMA=TIF)	< 50
Wave form (I.E.C.=THF)	< 2%

Optional Equipment

Automatic Transfer Switch (ATS) Options

- Agreed thermal current: 1600A
- Rated insulation voltage: 1000V
- Rated work voltage: AC440V
- Transferring time: d1.2S
- Control power supply voltage: AC220V