

Generator Set 1250kVA Silent Cabin



Reference: GE 1250 CS

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The 1250kVA Diesel Generator Set is a true industrial powerhouse designed to provide reliable power in a wide range of settings.

The 1250kVA Diesel Generator Set is engineered to deliver optimal performance in various industrial, commercial, and military applications. Its versatility allows for installation in diverse environments, including shops, malls, telecommunications sites, and military installations, thanks to its weather-resistant structural steel enclosure.

Powered by a high-quality BAUDOIN 12M33G1400/5 diesel engine, the 1250kVA Diesel Generator Set is designed to deliver reliable and efficient performance. With a maximum three-phase power of 1375 kW and a continuous three-phase power of 1250 kW, the Diesel Generator Set provides a dependable solution to meet even the most demanding energy requirements.

The alternator, available in renowned brands such as STAMFORD, MECC ALTE, and MARELLI MOTORI, is self-excited and brushless, ensuring optimal energy efficiency and low maintenance.

The Automatic Voltage Regulator (AVR) system ensures voltage precision of $\pm 0.5\%$, guaranteeing a constant flow of energy without sudden spikes or drops. With a continuous power amperage of 1804 A and a frequency of 50 Hz, the 1250kVA Diesel Generator Set offers stable and reliable power supply.

In terms of technical specifications, the Diesel Generator Set features a water cooling system and a turbocharged intake system to maximize engine efficiency. With 12 cylinders and a displacement of 39200 cc, this engine provides a continuous net power of 1430 Hp (1067 kW).

In regard to safety and reliability, the 1250kVA Diesel Generator Set complies with EU STAGE 0 emissions regulations and features IP44 electrical protection to ensure safe operation in any environment. Its H insulation and overtemperature class ensure reliable operation even in the most extreme conditions.

With a 400-liter tank capacity and fuel consumption ranging from 109 to 218 liters per hour at full load, the 1250kVA Diesel Generator Set offers an impressive autonomy of 2.5 hours at 75% load. Despite its power, the Diesel Generator Set is designed to maintain acceptable noise levels, with an acoustic pressure of 70dB(A) at a distance of 7 meters.

Furthermore, with a weight of 18250 kg, the 1250kVA Diesel Generator Set is designed to be easily transportable and installable, ensuring a reliable and efficient power solution wherever it is needed. With its combination of reliable performance, energy efficiency, and versatility,

the 1250kVA Diesel Generator Set is the ideal choice to meet the most demanding energy requirements in a wide range of industrial and commercial applications.

Technical Specifications 1250kVA Diesel Generator Set:

Type of electrical system: 3F+N ~
Maximum three-phase power: 1100 kW
Continuous three-phase power: 1000 kW
Maximum three-phase power: 1375 kVA
Continuous three-phase power: 1250 kVA
Fuel: Diesel
Voltage: 400 V
Frequency: 50 Hz
Continuous power amperage: 1804 A
Electrical protection: IP44
Engine: BAUDOUIN 12M33G1400/5
Emission category: EU STAGE 0
Performance class: G2
RPM: 1500 rpm
Number of cylinders: 12
Bore x Stroke: 150 x 185 mm
Displacement: 39200 cc
Continuous net engine power: 1430 (1067) Hp (kW)
Starting: Electric
Alternator: Stamford - Mecc Alte - Marelli Motori. Self-excited, brushless
Poles: 4
Voltage regulator system: AVR
Consumption @ 50-75-100% load: 109 - 160 - 218 lt/h
Tank capacity: 400 Lt
Autonomy @ 75% load: 2.5 h
Acoustic pressure: 70dB(A) at 7 mt
Exhaust terminal diameter: 546 mm
Electrical system voltage: 24 V
Weight: 18250 Kg.

Looking for a Generator Set with similar characteristics? [Click here.](#)

Images are purely indicative.

Technical Sheet

| Phase | Single phase / Three phase |
|------------------------------------|----------------------------|
| Maximum power three phase (KW) | 1100 |
| Continuous power three phase (KW) | 1000 |
| Maximum power three phase (KVA) | 1375 |
| Continuous power three phase (KVA) | 1250 |
| Fuel | Diesel |
| Frequency (Hz) | 50 |
| Voltage (V) | 400 |
| Engine | BAUDOUIN 12M33G1400/5 |
| Emissions Regulations | Stage 0 |

| | |
|------------------------------------|---|
| Engine rpm (rpm) | 1500 |
| Speed governor | Electronic |
| Starting system | Electric |
| Engine capacity (cm ³) | 39200 |
| Number cylinders | 12 |
| Cooling | Water |
| Alternator | Stamford-Mecc Alte-Marelli Motors Self-excited, brushless |
| Poles | 4 |
| Protection degree | IP44 |
| Bore x stroke (mm) | 150 x 185 mm |
| Motor insulation class | H |
| Fuel tank capacity (L) | 400 |
| Consumption (L/h) | 196 |
| Running time (h) | 2.5 at 75% of the load |
| Acoustic pressure | 70 dB(A) at 7 m |
| Dry weight (Kg) | 18250 |
| Silenced | Yes |
| Super silenced | Yes |
| ATS Switch device | No ATS |
| Voltage regulator | AVR |
| Engine manufacturer | Baudouin |
| Power factor control | 0.8 |
| Continuous power amperage | 1804 A |
| Performance class | G2 |
| Inducton system | Turbocharged |
| Engine net prime power | 1430 (1067) Hp (kW) |
| Temperature rise class | H |
| Voltage precision | ± 0,5 % |
| Consumpton @ 75% load | 109 – 160 – 218 lt/h |
| Exhaust pipe diameter | 546 mm |
| Electrical system voltage | 24 V |