



GRUPEL
energy everywhere



Telecommunications
Gensets

Grupel Genset

Alternator



The choice of Stamford Alternators that are implemented into the standard Cymasa models is because some alternators are internationally recognized for their quality, innovation and reliability, with a wide range of power, suitable for all configurations and with great variety of SAE adapters, which facilitate the coupling with a wide range of prime movers.



Control Panel

The Control Panel is the unit responsible for monitoring and protecting Grupel gensets and it can be considered the genset "brain". It is placed on the chassis in open versions, or integrated into the canopy or container in soundproof versions. Versatility and reliability are the main features of our control panel, allowing all gensets to be converted into different types of use, by simply changing the panel. Grupel gensets are configured to be used both in manual and in automatic mode and/or in parallel with other units.

Automatic Transfer Switch



The Automatic Transfer Switch makes the switching between the main sources (usually the network) and the secondary source (usually the generator), if the main source fails. The Automatic Transfer Switch is automatically operated and is also used to interconnect power gensets operating in alternation. We recommend installing the Automatic Transfer Switch when the power genset operates in an emergency mode.

Engine



Grupel has been working towards building strong bonds with the manufacturer Perkins, a company with 80 years of experience in manufacturing engines. Each engine is designed to improve productivity and performance. Perkins engines are specially prepared for adverse weather and to meet the requirements and standards requested by our customers.

Baseframe

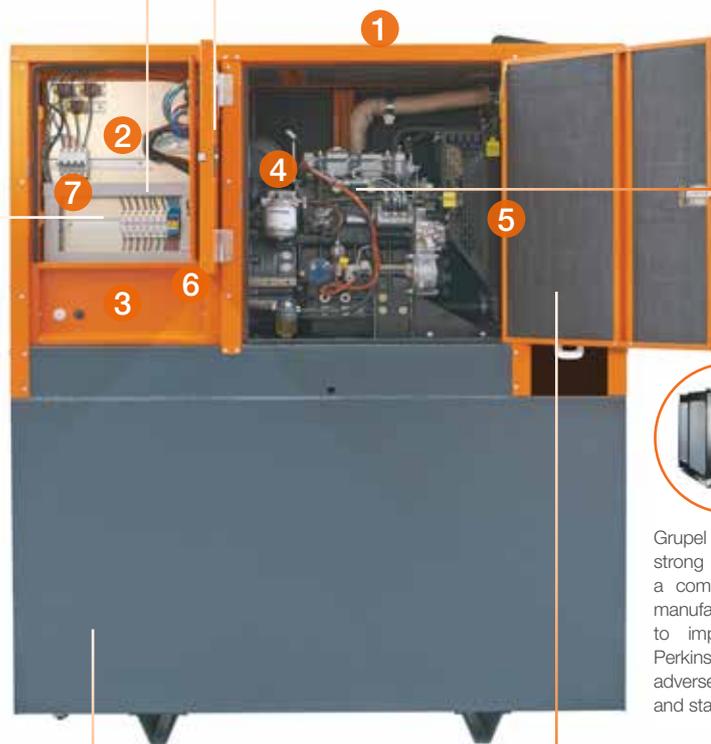


- Engine and Alternator assembled on a
- made of steel bench
- Anti-vibration silent-block from engine alternator
- monoblock and bench
- General Painting Bench with anticorrosive primer
- Without any ground anchor
- Lifting brackets
- Integrated fuel tank.

Soundproof Cabin



- Manufactured in sheet steel, aluminum or stainless steel;
- Insulated with sound-absorbing and anti-fire material;
- Polyester epoxy paint;
- Efficient in the airflow to the engine cooling;
- Integrated control panel with easy access;
- Side doors;
- Anti-corrosion treatment.
- Easy in lifting and transporting.



Extras

1 Lifting Eye

Generator Elevation Point. Providing up to 4 tonnes per eyebolt, the universal lifting bolt is designed for lifting and rotation of heavy loads. Compact and ergonomic. Easy clamping system.

2 GSM Kit with integrated GPS

Supervision and remote communications by GSM Genset and also enables its location on the map through GPS to facilitate in many aspects the supervision and control. With the PC, Smartphone or tablet at any point in the world, is able to communicate with the GSM modem which in turn communicate with the controllers and we will have an efficient supervision or control system, with greater compatibility between modules.

3 Output Jack

Power outlets, that allow the power cables connection;
Allow a fast connection;
Have protection switches;
Can be three-phase or single-phase;
Industrial or residential, schuko type;
Can be 16 Amps, 32 Amp, 63 Amp or 125 Amp;

4 Pre-filter

Is a device designed to remove fuel particles and water from a diesel engine, to improve the performance and protect the engine.
Using of several capacities pre-filters;
Easy removal of the water filter;
Cristal glass;

5 Tropicalized radiator

Suitable for tropical climates where there is a larger temperature gradient;
Greater capacity radiator and of different dimensions fan, as applicable;
Radiator with coolant;

6 Output Bus

Copper bus coupler that allow the power cables connection, thus the power transmission to the outside;
Presently, the bus bars have received many enhancements with the aim of improving the connection.

7 Differential circuit breaker

Is a protection device against overloading, short circuits and indirect contacts resulting from insulation defects. Allows to disconnect a circuit whenever a leakage current to earth is detected and when there are overloads or short circuits.



Vertical opening to facilitate generator maintenance

Highest fuel tank



Vertical opening on the sides to facilitate generator maintenance



Company Grupel S.A.

PRESENT IN MORE
THAN 40 COUNTRIES.

Grupel S.A., is a company of the Omnisantos Group, with **40 years of experience** in the market, that is dedicated to manufacturing a wide range of gensets (in open chassi or soundproofed - canopi), equipped with the highest quality components and with power rates from **6kVA up to 3500kVA** destined to produce energy.

Grupel is synonymous with **flexibility**, as it is perfectly able to manufacture from the standard genset to special projects, that require a higher complexity in its engineering and conception.

Leader in the portuguese market, **Grupel** is also **present in over 40 countries**, spreading all over the 5 continents.

80% of the company's business volume is currently due to its international presence.



Grupel, S.A.

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