

GENERATING
SET MODEL

GEPI600E

SUPER SILENT S7100 AUTO EVOLUTION



MAIN FEATURES

- Diesel engine
- Water-cooled
- Three phase generator
- Electronic speed governor
- Battery charger alternator
- Automatic voltage regulator
- **High customization possibility on all features**

ALTERNATOR DATA

SUPER SILENT

Prime Power (PRP):

According to ISO 8528 series, Prime power is the maximum power which an alternator is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer.

Limited-Time running Power (LTP):

According to ISO 8528 series, Limited-time power is defined as the maximum power available, under the agreed operating conditions, for which the alternator is capable of delivering for up to 500h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.

600

KVA PRP

1500

RPM

400

Voltage

620

KVA LTP

50

Hz

0,8

Rated at power factor

SUPER SILENT

ENGINE DATA

Engine data are shown for 1500 rpm speed:

| | |
|---------------------------|-------------------------|
| Engine model IVECO | Engine brand IVECO |
| Engine type | Diesels 4 strokes-cycle |
| Injection | Direct |
| Cooling | Conditioned water |
| Compression ratio | 17:1 |
| Lube oil specification | ACEA E3/E5 |
| Air filters | Dry |

| | |
|-------------------------|-----------|
| Auxiliary voltage | 24Vdc |
| Battery n° and capacity | 2x 150 Ah |



AIR SYSTEM

| | |
|---------------------|--------------------------|
| Combustion Air Flow | 1576.0 m ³ /h |
| Cooling Air Flow | 6.8 m ³ /s |

EXHAUST SYSTEM

| | |
|-------------------------------|-------------|
| Maximum allowed back pressure | 5.0 kPa |
| Exhaust Gas Flow | 2027.0 kg/h |
| Exhaust Gas Temperature | 520 °C |

SUPER SILENT

FUEL SYSTEM

| | | | | |
|-------------------------------------|-----------|--|--|--|
| Recommended fuel | N.A. | | | |
| Fuel consumption at load percentage | 100% | | | |
| PRP | 100.6 l/h | | | |

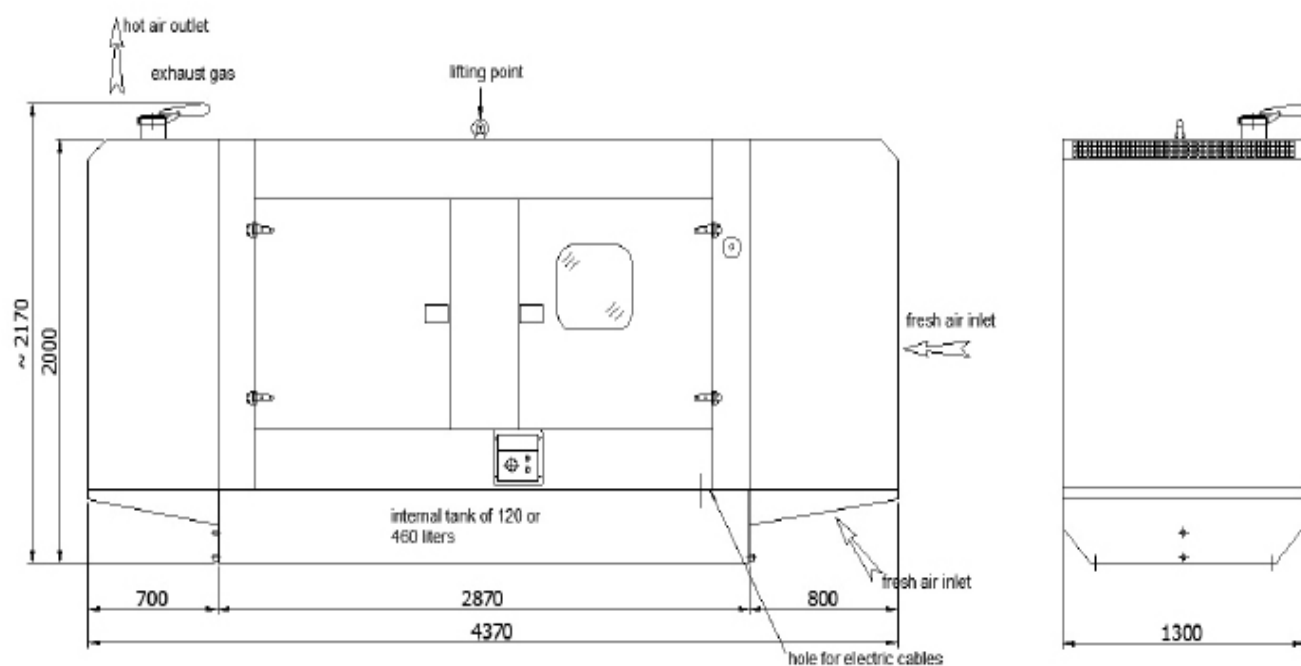
ALTERNATOR

| | |
|---------------------|---------------------------|
| Number of poles | 4 |
| Bearing | Single |
| Insulation | H |
| Winding connections | Star series/Star parallel |
| Protection rating | IP23 |
| Excitation | Self excited |
| Voltage regulator | A.V.R. (electronic) |



DIMENSION AND DRAWING

SUPER SILENT



weight without fuel

4200kg

Dimension and drawing reported on the pictures above may vary. Pictures are reported only for illustration purposes and refer to standard installation.

SUPER SILENT

COLOURS

All our soundproof parts, are manufactured with galvanize material coated with powder paint



Wide choice of colours and RAL:

RAL 9010



Standard White

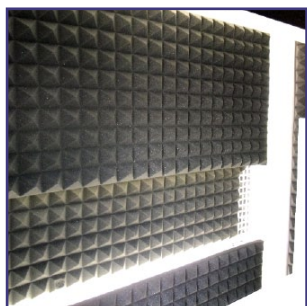
SUPER SILENT

SOUNDPROOF CANOPY PLUS:



Internal doors side with
holed metal sheet
For noise containment
and limitation

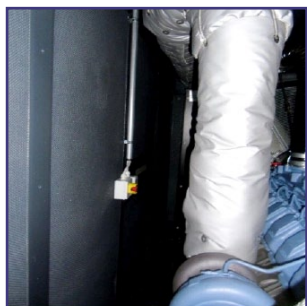
Lockable doors with keys
For safety increasing



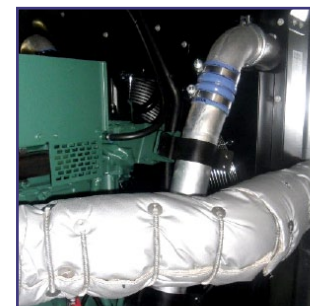
Soundproof materials



Large maintenance area
and extensive level of
customization possible
on canopy size
Very simple access to the
maintenance points



Stone wool insulations
For the hottest surfaces
protection



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SOUNDPROOF:

All our soundproof canopies, present air inlets outlets that may be placed in a variety of locations depending on the requirements



SUPER SILENT

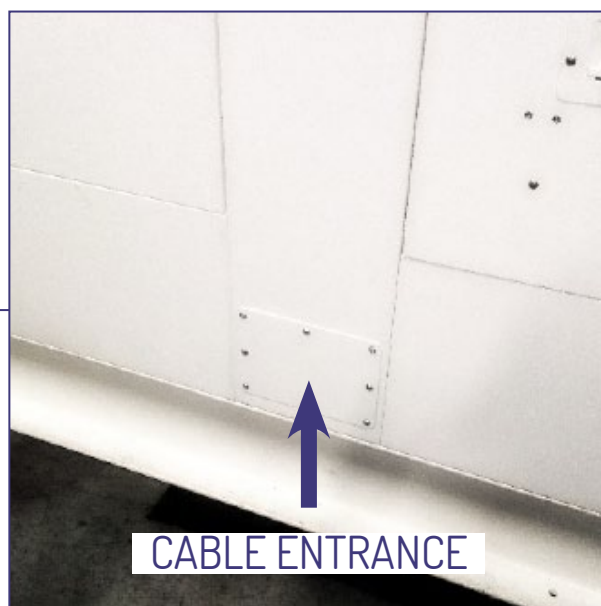


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In all soundproof canopies, there are predispositions for external fuel tank

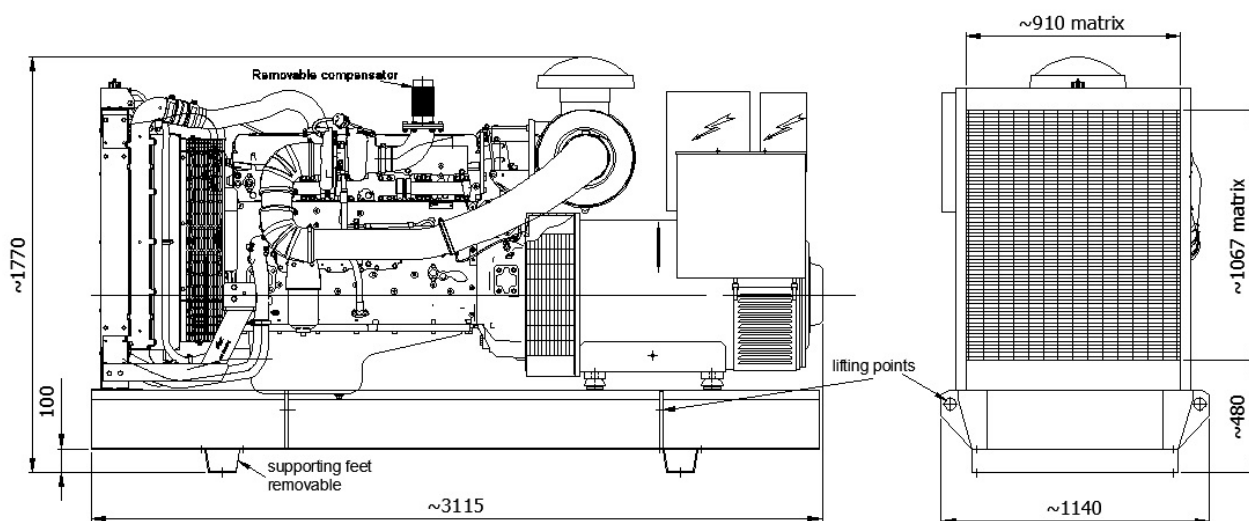


and for customers cable entrance



DIMENSION AND DRAWING

OPEN TYPE



weight without fuel

3050 kg

Weight of the generating sets, vary in function of the equipment. The correct weight can be calculated only when the order supply is defined.

Daily tank, if provided, is situated into the generating set base and is equipped with precision fuel level sensor and any other required sensor. Daily tank is provided with many connection predispositions

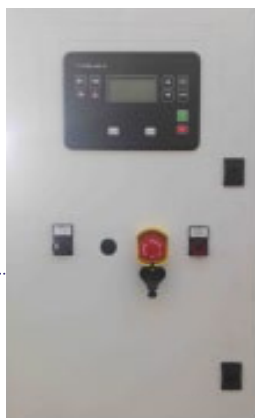
Daily tank form and size are perfectly customizable to meet customer needs



CONTROL PANEL

7100S

SERIES



AUTOMATIC CONTROL PANEL