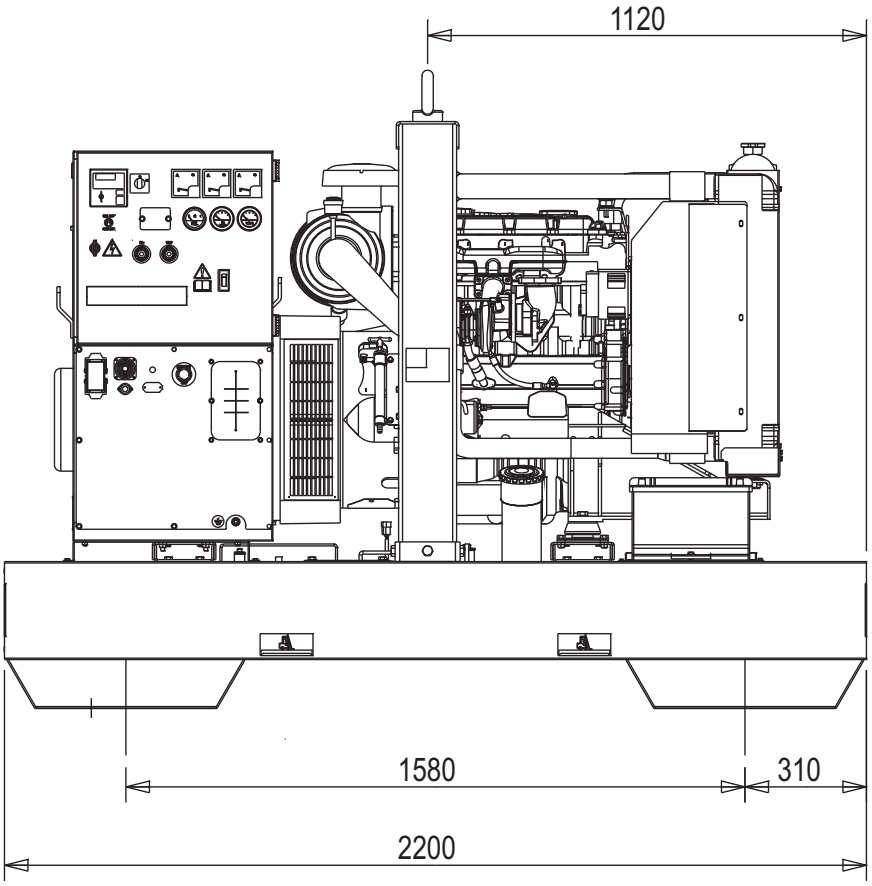
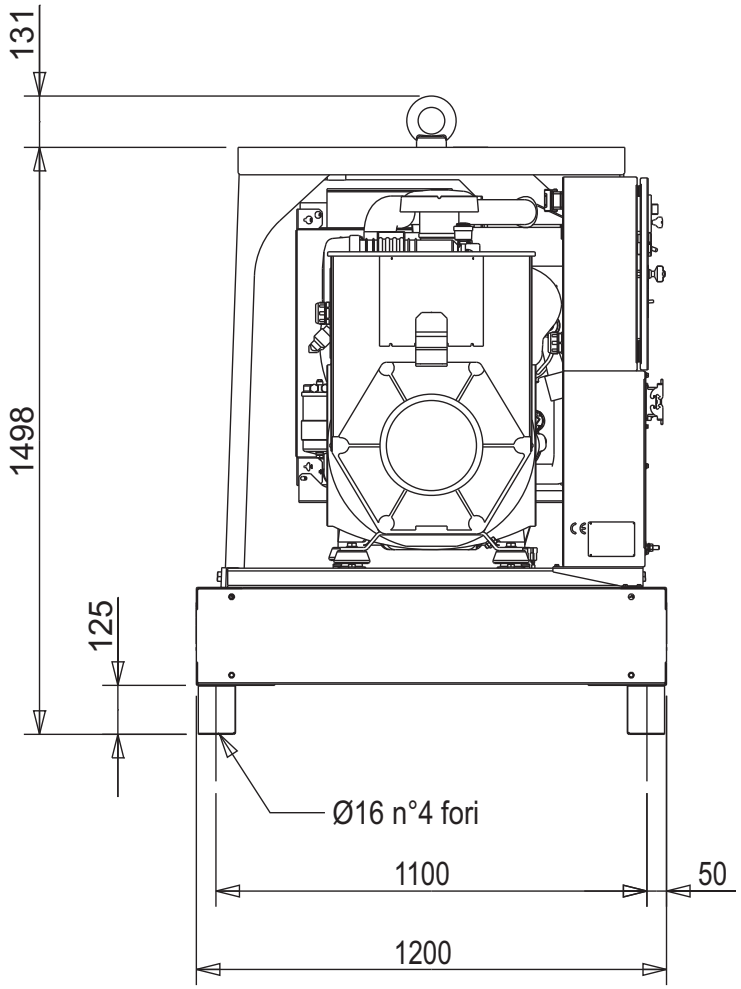

1120
1580
310
2200


131
1498
125
Ø16 n°4 fori
1100
50
1200

The generating set GE 85/115 is a unit which transforms the mechanical energy, generated by endothermic engine, into electric energy, through an alternator.
Is meant for industrial and professional use, powered by an endothermic engine; it is composed of various main parts such as: engine, alternator, electric and electronic controls, the fairing or a protective structure.
The assembling is made on a steel structure, on which are provided elastic support which must damp the vibrations and also eliminate sounds which would produce noise.

| Technical data | GE 85 SKID - PSX - PMSX | GE 115 SKID - PSX - PMSX |
|---|---|---|
| **GENERATOR** | | |
| Power three-phase (*stand by) | 88 kVA / 400 V / 127 A | 110kVA / 400 V / 159 A |
| Power three-phase (**PR.P.) | 80 kVA / 400 V / 115 A | 100 kVA / 400 V / 144 A |
| Active power (*stand by) | 70.4 kW / 400 V | 88 kW / 400 V |
| Active power (**PR.P.) | 64 kW / 400 V | 80 kW / 400 V |
| Frequency | 50 Hz | 50 Hz |
| Cos φ | 0.8 | 0.8 |
| **ALTERNATOR** | | |
| Type | synchronous, three-phase, self-excited, self-regulated | |
| Insulation class | H | |
| **ENGINE** | | |
| Make / Model | PERKINS / 1104C - 44TAG1 | PERKINS / 1104C - 44TAG2 |
| Type / Cooling system | Diesel 4-Stroke / Liquid Diesel | 4-Stroke / Liquid |
| Cylinders / Displacement | 4 / 4400 $cm^3$ | 4 / 4400 $cm^3$ |
| Power (*stand by) / (**PR.P.) | 78.4 kW (106.6 HP) / 71.3 kW (97 HP) | 98 kW (133.3 HP) / 89 kW (121 HP) |
| Speed | 1500 rpm | 1500 rpm |
| Fuel consumption (75% to PR.P.) | 14.3 l/h | 17.1 l/h |
| Cooling system capacity | 13 l | 13 l |
| Engine oil capacity | 8 l | 8 l |
| Starter | Electric | Electric |
| **GENERAL SPECIFICATIONS** | | |
| Battery | 12V - 100Ah | 12V - 100Ah |
| Tank capacity | 230 l | 230 l |
| Running time (75% to PR.P.) | 16 h | 13.5 h |
| Protection | IP 44 | IP 44 |
| Dimensions / max. on base Lxwxh (mm)* | 2740(2000 skid)x1200x1640 | 2740(2000 skid)x1200x1640 |
| Weight on base Kg | 1425(SKID)-1655(PSX)-1620(PMSX) | 1450(SKID)-1680(PSX)-1665(PMSX) |
| Measured acoustic power Lwa (pression LpA) | 95 db(A) (70 db(A) @ 7m) | 96 db(A) (71 db(A) @ 7m) |
| Garanteed acoustic power Lwa (pression LpA) | 96 db(A) (71 db(A) @ 7m) | 97 db(A) (72 db(A) @ 7m) |

* Dimensions and weight are inclusive of all parts

## OUTPUT

Declared power according to ISO 8528-1 (temperature 25°C, 30% relative humidity, altitude 100 m above sea level).
(*Stand-by) = maximum available power for use at variable loads for a yearly number of hours limited at 500 h. No overload is admitted.
(**Prime power P.R.P.) = maximum available power for use at variable loads for a yearly illimited number of hours. The average power to be taken during a period of 24 h must not be over 80% of the P.R.P.
It's admitted overload of 10% each hour every 12 h.
In an **approximative** way one reduces: of 1% every 100 m altitude and of 2.5% for every 5°C above 25°C.

## ACOUSTIC POWER LEVEL

**ATTENTION:** The concrete risk due to the machine depends on the conditions in which it is used. Therefore, it is up to the end-user and under his direct responsibility to make a correct evaluation of the same risk and to adopt specific precautions (for instance, adopting a I.P.D. -Individual Protection Device)
**Acoustic Noise Level (LWA) - Measure Unit dB(A):** it stands for acoustic noise released in a certain delay of time. This is not submitted to the distance of measurement.
**Acoustic Pressure (Lp) - Measure Unit dB(A):** it measures the pressure originated by sound waves emission. Its value changes in proportion to the distance of measurement.
The here below table shows examples of acoustic pressure (Lp) at different distances from a machine with Acoustic Noise Level (**LWA**) of 95 dB(A)

Lp a 1 meter = 95 dB(A) - 8 dB(A) = 87 dB(A)
Lp a 4 meters = 95 dB(A) - 20 dB(A) = 75 dB(A)
Lp a 7 meters = 95 dB(A) - 25 dB(A) = 70 dB(A)
Lp a 10 meters = 95 dB(A) - 28 dB(A) = 67 dB(A)

**PLEASE NOTE:** the symbol LWA 2000/14/CE when with acoustic noise values, indicates that the device respects noise emission limits according to 2000/14/CE directive.