

**SUPER
SILENCED**

Soundproof box



Easy installation



Compact

The engine is cooled by a coolant loop in a closed circuit. The system consists of a heat exchanger, inside which the heat exchange between coolant and sea water takes place. Two separate pumps provide for the circulation of coolant and seawater. Air flows ensure effective cooling of the alternator.

The excellent accessibility makes maintenance operations easier, even with the generator installed in confined environments.



GS 135 MTS - 160 MTS STANDARD EQUIPMENT

Control panel

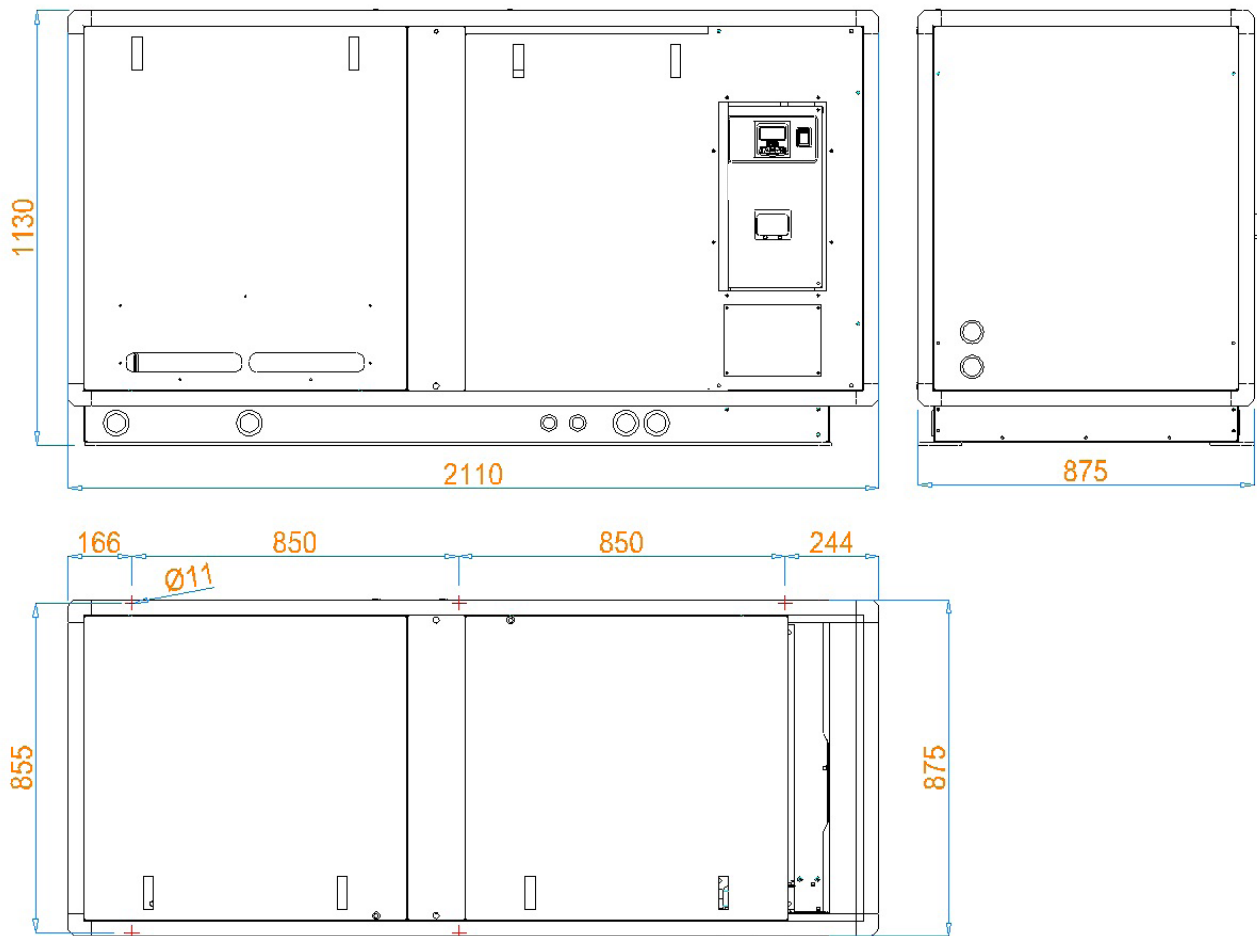
- _ CBU EVO IL4 device controls and drives the genset. The large display and control pushbuttons allow easy use and monitoring:
 - Manual start
 - Voltage Vac
 - Frequency Hz
 - Hour meter
 - Genset battery voltage
 - Oil low pressure alarm
 - Engine preheating
 - Engine high temperature alarm
 - Alternator battery charger failure alarm
 - Protection alarm for frequency and rpm
 - Alarm history
 - Maintenance warnings
 - General alarm outlet
 - RUN outlet
 - Ready outlet
 - Programmable AUX outlet
- _ Emergency stop button
- _ Magneto-thermal protection

Engine

- _ Easy maintenance access to the feeding and lubrication systems, the sea water pump and the air filter
- _ Double vibration dumping system
- _ Oil drain pump

Soundproof cabin

- _ Made of extremely light marine aluminum with very high resistance to external agents



50 Hz

60 Hz

| | | |
|---------------------|--------------------------------|---------|
| AC alternator - | Synchronous, 4 poles, with AVR | |
| Cooling | Air | |
| Voltage | 400 V | 480 V |
| Frequency | 50 Hz | 60 Hz |
| Amps | 202.3 A | 192.7 A |
| Max power | 140 kVA | 160 kVA |
| Continuous power | 130 kVA | 150 kVA |
| Power Factor | cos ϕ 0.8 | |
| Insulating class | H | |
| Voltage stability | $\pm 2\%$ | |
| Frequency stability | $\pm 5\%$ | |

The power is referred to an atmospheric pressure of 100 kPa, a humidity percentage of 30% and an ambient temperature of 25°C.

| | | |
|--------------------------------------|-------------------------|----------------------|
| Model | Perkins 1106A-70TG1 | |
| Type | Diesel | |
| Cylinder block material | nr 6 | |
| Cylinders | Cast iron | |
| Bore | 105 mm - 4.14 in | |
| Stroke | 135 mm - 5.32 in | |
| Displacement | 7010 cc - 427.78 CID | |
| Power | 176 hp - 129.46 kWm | 199 hp - 146.38 kWm |
| RPM | 1500 | 1800 |
| Compression ratio | 18.2:1 | |
| Engine head material | Direct injection | |
| Combustion system | Cast iron | |
| Speed governor | Electronic | |
| Lubrication system | Forced | |
| Oil sump capacity with filter | 18 l - 5.07 gl | |
| Engine stop system | Solenoid valve | |
| Fuel pump | Electric | |
| Max. fuel pump head | 700 mm - 27.5 in | |
| Fuel consumption | 30.2 l/h - 7.98 gl/h | 35.2 l/h - 9.30 gl/h |
| Air intake | | |
| Starting battery | 80 Ah - 12 V | |
| Battery charger | 65 Ah - 12 V | |
| Starter motor | 4.2 kW - 12 V | |
| Max. inclination | 25° | |
| Water pump flow | 86 l/min - 22.71 gl/min | |
| Sea water inlet pipe \varnothing | 25 mm - 1" | |
| Exhaust pipe \varnothing | 102 mm - 4" | |
| Input/Output fuel pipe \varnothing | 8 mm - 5/16" | |

| | | |
|------------------------|--|------------------------|
| Dimensions (L x W x H) | 2110 x 875 x 1130 mm - 83.1 x 34.4 x 44.5 in (with soundproof box) | |
| Weight | 1150 Kg - 2536 lb (with soundproof box) | |
| Noise Level | 60 dBA at 7 mt (23 ft) | 61 dBA at 7 mt (23 ft) |



| | Accessory | Code |
|------------------------|---|--------|
| Accessories on request | • Filtering kit: sea water inlet, sea water strainer, taps, fittings D.25 - ref.4 | 03793 |
| | • Exhaust kit: muffler, silencer, exhaust nozzle D.101/75 VETUS | 013704 |
| | • Siphon break D.25 | 015849 |
| | • Vetus LP100 muffler | 71243 |
| | • Vetus MP100 silencer | 71691 |
| | • Centek muffler 4" | 71637 |
| | • Centek water/gas separator 4" | 71636 |
| | • Remote START/STOP panel with 20m cable for Comap IL4 - ref.1 | 037561 |
| | • Comap IL4 remote start panel with 20m cable - ref.2 | 039607 |
| | • Cruise Kit | 913896 |

