

GS 114 MTS

114 kVA 50 Hz



CBU control panel (Mod-Bus transmission Unit)

New design, latest technology, big display and soft touch buttons for quick menu navigation, start and stop procedure, IP54 protection grade. Very compact 86x124mm (3.84x4.9 in) with a shielded connecting cable 10mts (32.8 ft) long, CBU has many functions for an easy monitoring of the generator:

- ON/OFF/START/STOP/MENU controls.
- Digital hour-meter, Output voltage, Generator Battery voltage, external battery pack voltage, Frequency, Service time, Event list of last 10 alarms and time.
- 13 different alarms icons displayed.
- 485 Mod-Bus connector for monitoring generator by boat main control monitor.

Engine

- Easy access in case of maintenance to the feeding system and lubrication, of the sea/water pump and the air filter.
- Safety stop in case of low oil pressure.
- Safety stop in case high water/exhaust gas temperature.
- Oil and fuel filters of easy access.

Alternator

- Synchronous, 4 poles, brush less self-excited, electronic voltage regulator (AVR).
- Rotor and stator coated with epoxy resin against external agents.
- Rotor dynamically balanced.
- Insulation class H.

Engine

50 Hz

| | |
|-----------------------------|------------------------|
| Model | Perkins1106A-70TG1 |
| Type | Diesel 4 stroke |
| Cylinders (nr.) | 6 |
| Cylinder block material | Cast iron |
| Bore (mm) | 105 |
| Stroke (mm) | 135 |
| Displacement (cc) | 7010 |
| Power (hp) | 136 |
| RPM | 1500 |
| Combustion system | Direct |
| Engine head material | Cast iron |
| Speed governor | Centrifugal mechanical |
| Lubrication system | Forced |
| Oil sump capacity | 16,1 |
| Engine stop system | Stop solenoid |
| Fuel pump | Electric |
| Fuel pump discharge (cm) | 160 |
| Full load consumption (L/h) | 30,3 |
| Starting battery (Ah-V) | 80 - 12 |
| Battery charger (Ah-V) | 65 - 12 |
| Starter (kW-V) | 4,2 - 12 |
| Max. inclination | 30° |

Alternator

50 Hz

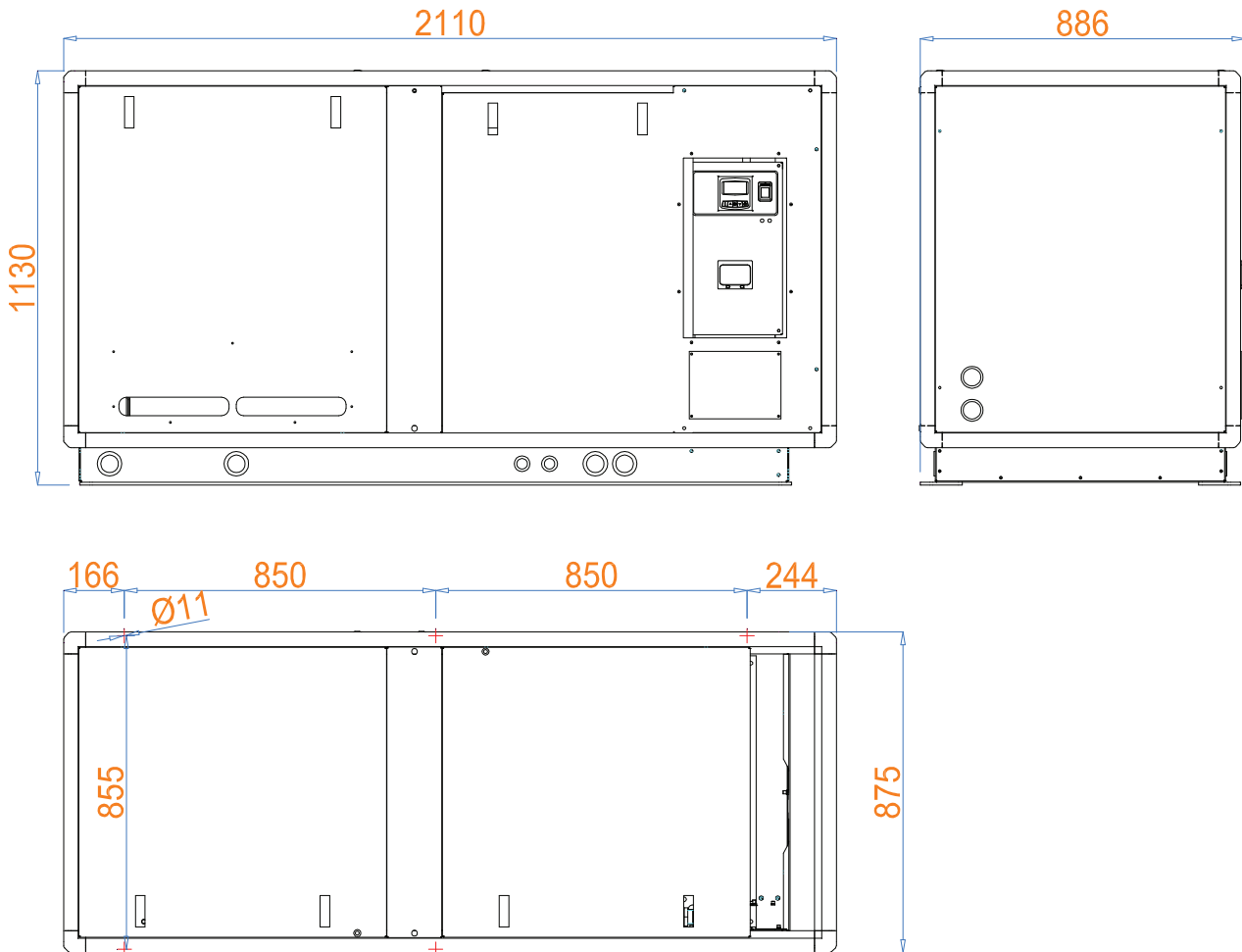
| | |
|----------------------------|------------------------------------|
| Type | Synchronous, 4-poles, self-excited |
| Cooling | Air |
| Voltage (V) | 400 |
| Frequency (Hz) | 50 |
| Max. power (kVA) | 114 |
| Continuous power (kVA) | 104 |
| Power factor (cos ϕ) | 0,8 |
| Insulating class | H |
| Voltage stability | $\pm 1\%$ |
| Frequency stability | $\pm 2\%$ |

Cooling system

The cooling of the engine is based on a closed inner flow of coolant. The system is based on a cupronickel heat exchanger seawater/coolant type, where the thermal exchange occurs between coolant and seawater. Two separate pumps contribute to the flow of the coolant and the sea water.

50 Hz

| | |
|-------------------------------------|---------------------------|
| Dimensions (Leng. x Width x Height) | 2110 x 886 x 1130 mm |
| Weight | 1120 Kg |
| Noise power level | 61 dB _A at 7mt |



FITTINGS

EXHAUST COMPONENTS KIT

SIPHON BREAK

WATER-GAS SEPARATOR KIT

STARTING REMOTE CONTROL PANEL WITH INSTRUMENTS

*This drawing is only a reference and is not indicated for the installation. For more information, you may contact your local dealer or **GenSet** generators S.p.A..*

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