



### 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

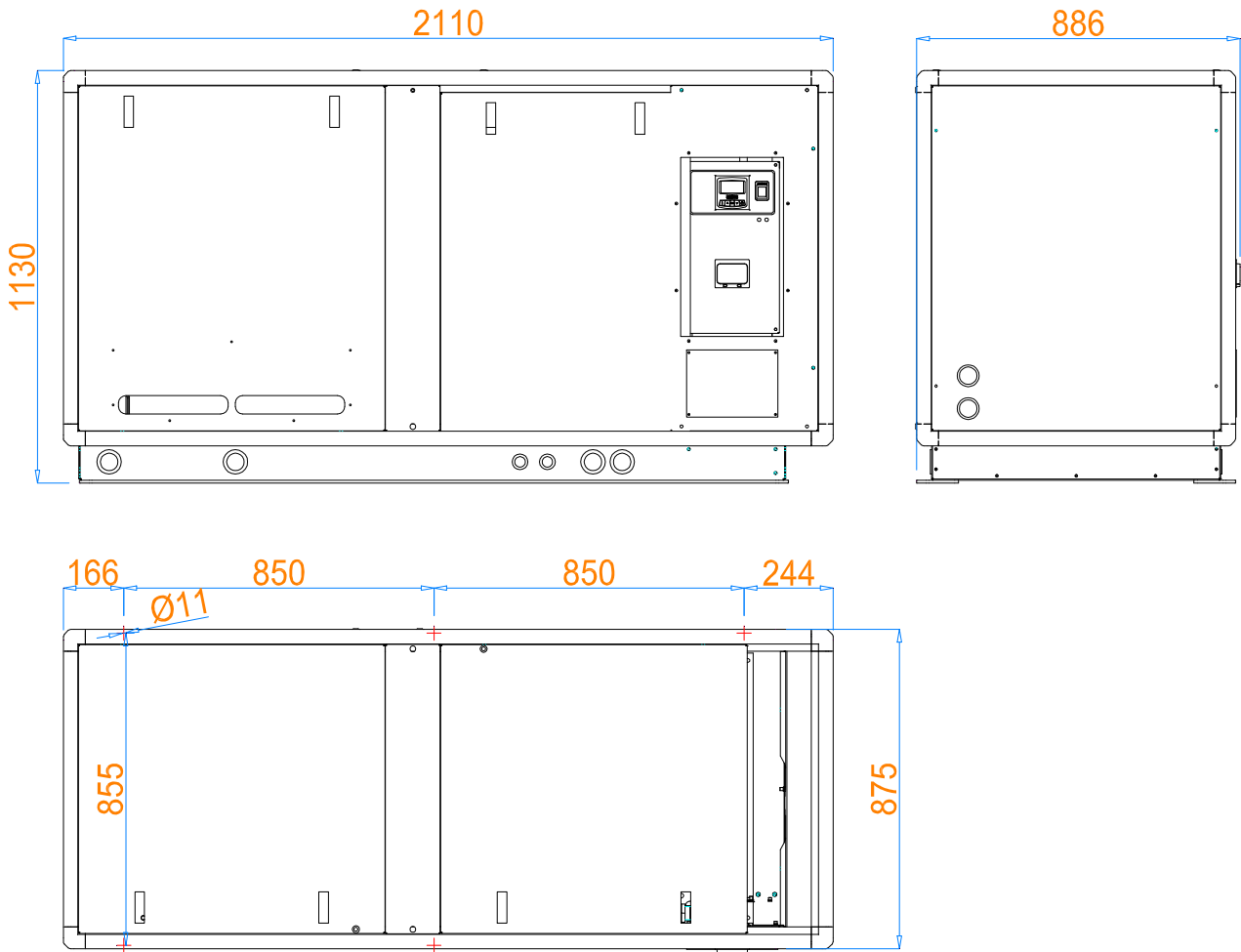
50 Hz

|                        |                                    |
|------------------------|------------------------------------|
| Type                   | Synchronous, 4-poles, self-excited |
| Cooling                | Air                                |
| Voltage (V)            | 400                                |
| Frequency (Hz)         | 50                                 |
| Max. power (kVA)       | 140                                |
| Continuous power (kVA) | 130                                |
| Power factor (cos ø)   | 0,8                                |
| Insulating class       | H                                  |
| Voltage stability      | ±1%                                |
| Frequency stability    | ±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 <sub>A</sub> 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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