

# MARINER 114M T

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

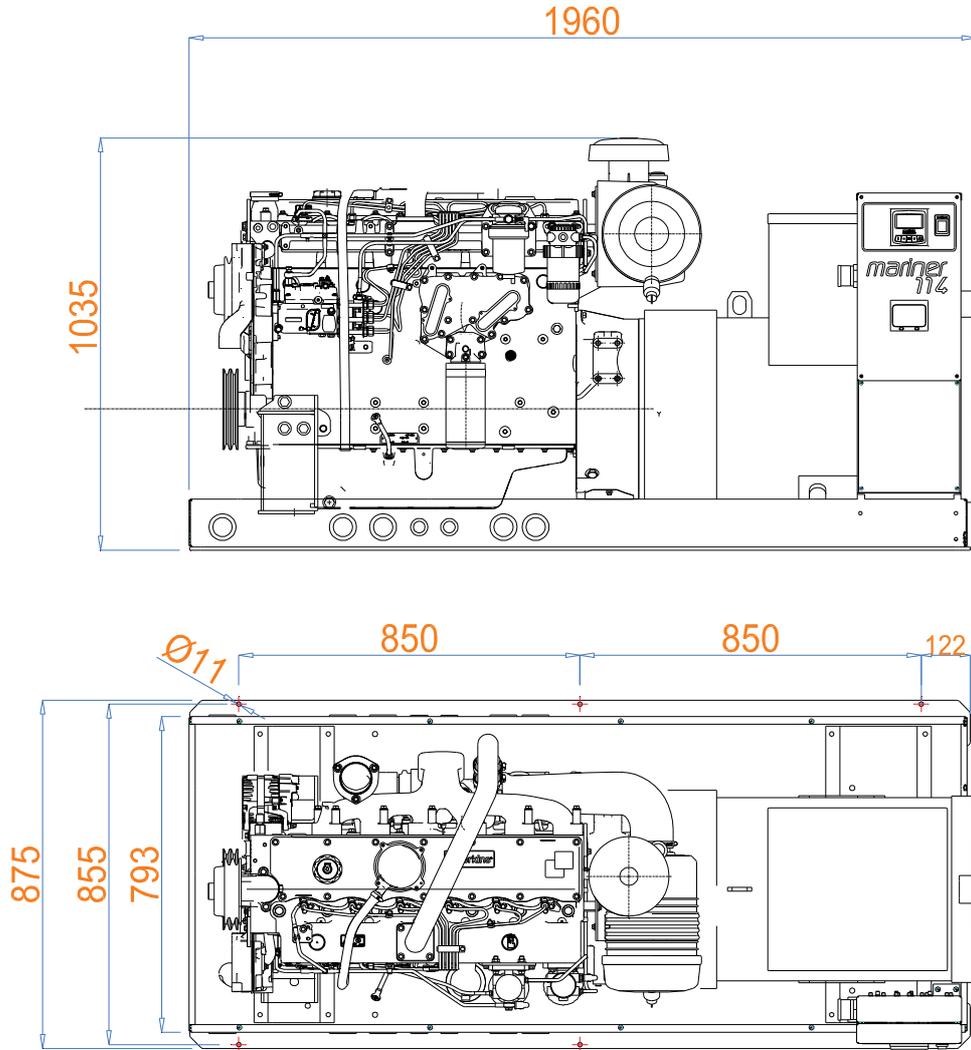
Type	Synchronous, 4-poles, self-excited
Cooling	Air
Voltage (V)	400
Frequency (Hz)	50
Max. power (kVA)	114
Continuous power (kVA)	104
Power factor (cos $\phi$ )	0,8
Insulating class	H
Voltage stability	$\pm 1\%$
Frequency stability	$\pm 2\%$

## 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)	1953 x 923 x 1035 mm
Weight	970 Kg



## 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 **mase** generators S.p.A..*

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Dealer: