

MARINER 2510T

25.1 kVA 50 Hz



Remote Control Panel

Remote control panel was designed to include, in only one single panel, all switches, control devices and protection devices. Components are the following :

- Engine cut-off module for automatic stop in case of high water temperature, low oil pressure and high alternator temperature.
- Hour-meter.
- Start-stop button.
- Breaker for protection against overload and short circuit.
- Thermal switch for D.C. electric circuit.

Engine

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

Alternator

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

Soundproof cabin

A new project engineering design with a structure of a draw piece of aluminum supporting, painted aluminum panels type 5754 of high resistance to external agents. Of limited weight and easy accessibility to the inner cabin in case of maintenance services.

Engine

50 Hz

Model	Yanmar 4TNV84T
Type	Diesel 4 stroke
Cylinders (nr.)	4
Cylinder block material	Cast iron
Bore (mm. - in.)	84 - 3.26
Stroke (mm. - in.)	90 - 3.5
Displacement (cc. - CID)	1995 - 102
Power (hp)	29,3
RPM	1500
Combustion system	Direct injection
Engine head material	Cast iron
Speed governor	Centrifugal mechanical
Lubrication system	Forced
Oil sump capacity with filter (lt. - US qt)	7,1 - 1.56
Engine stop system	Stop solenoid
Fuel pump	Electronic
Fuel pump discharge (cm. - ft)	70 - 2.3
Max fuel consumption (l/h-gal/h)	8 - 2.1
Starting battery (Ah-V)	80 - 12
Battery charger (Ah-V)	40 - 12
Starter (kW-V)	2.3 - 12
Max. inclination	30°
Water pump flow (l/min. - gal/min.)	40 - 8.8

Alternator

50 Hz

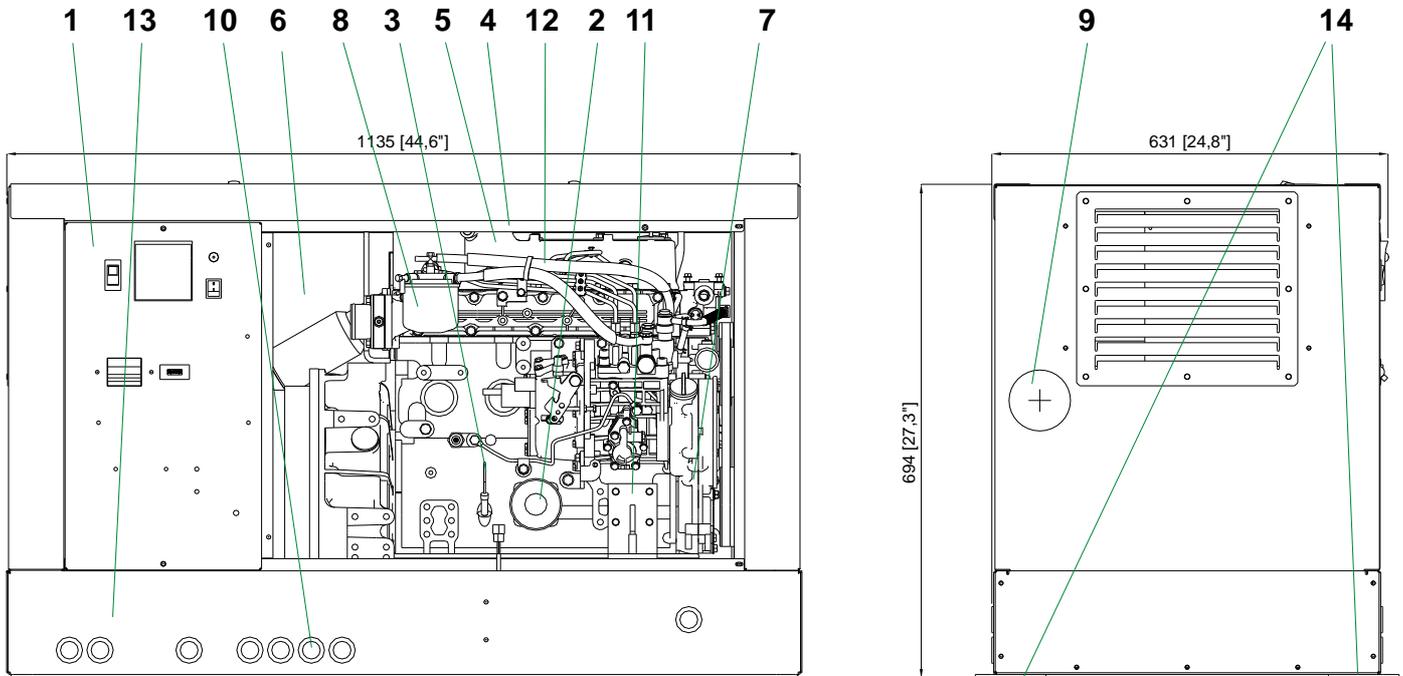
Type	Synchronous, 4-poles, self-excited
Cooling	Air
Voltage (V)*	400
Frequency (Hz)	50
Max. power (kVA)	25,1
Continuous power (kVA)	23,4
Power factor (cos Φ)	0,8
Insulating class	H
Voltage stability	±2%
Frequency stability	±5%

**Further voltages available on request*

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.

Dimensions (Leng. x Width x Height)	1135 x 631 x 694mm - 44,6 x 24,8 x 27,3(in.)	(with canopy)
Weight	465 Kg - 1025 (lb)	(with canopy)
Noise power level	54 dB _A @ 7mt	



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|---------------------------------|--|
| 1 - Control panel | 8 - Fuel filter |
| 2 - Engine oil filter cartridge | 9 - Seawater exhaust connection (ø 50mm) |
| 3 - Oil dipstick | 10 - Seawater inlet (ø 16mm) |
| 4 - Engine oil cap | 11 - Battery connection |
| 5 - Air filter | 12 - Fuel tank connection (ø 8mm) |
| 6 - Closed circuit water pump | 13 - Electric cables outlet |
| 7 - Seawater pump | 14 - Fixing stirrups |

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: