



MARINER 2000T

19.2 kVA 50 Hz

Engine	50 Hz	
Model	Yanmar 4TNV88	
Туре	Diesel 4 stroke	
Cylinders (nr.)	4	
Cylinder block material	Cast iron	
Bore (mm - in.)	88 - 3,46	
Stroke (mm - in.)	90 - 3,54	
Displacement (cc - cu.in.)	2190 - 133,6	
Power (hp)	24,1	
Rated rpm	1500	
Combustion system	Indirect	
Engine head material	Cast iron	
Speed governor	Centrifugal mechanical	
Lubrication system	Forced	
Oil sump capacity (L - qt.)	5,8 - 6,1	
Engine stop system	Stop solenoid	
Fuel pump	Electric	
Fuel pump discharge (cm - in.)	80 - 31,5	
Full load consumption	5,6 - 1,5	
(L/h - gal/h)	80 - 12	
Starting battery (Ah-V)	40 - 12	
Battery charger (Ah-V)		
Starter (kW-V) Max. inclination	1,2 - 12 30°	
	30	
Water pump flow	25 - 6,6	
(L/min - gal/min)		

Alternator	30 HZ	
Туре	Synchronous, 4-poles,	
	self-excited	
Cooling	Air	
Voltage (V)	400	
Frequency (Hz)	50	
Current (A)	27,7	
Max. power (kVA)	19,2	
Continuous power (kVA)	17,4	
Power factor (cos ø)	0,8	
Insulating class	Н	
Voltage stability	±2%	
Frequency stability	±5%	

50 Hz

Control Panel

The gen-set control panel was designed to include, in one single panel, the switches, control devices and the protection devices The components are the following:

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

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.

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.

Good accessibility inside canopy, makes maintenance services more easy.

Cooling system

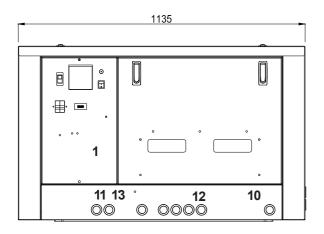
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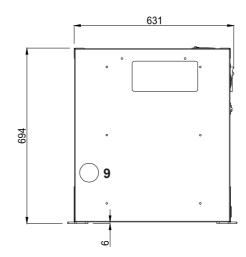
The cooling of the engine is based on a closed inner flow of coolant. The system is based on a cupronickel heat exchanger seawater/coolant type, where the thermal exchange occurs between coolant and seawater. Two separate pumps contribute to the flow of the coolant and the sea water.

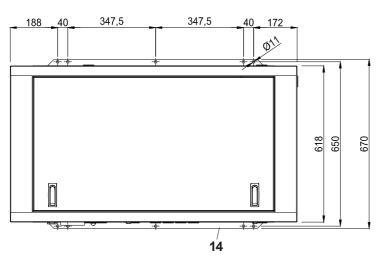


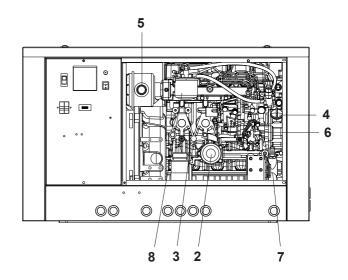
50 Hz

Dimensions (Leng. x Width x Height)	1135 x 631 x 694 mm	(with canopy)	
	44,7 x 24,8 x 27,3 in.		
Weight	400 kg , 880 lb	(with canopy)	
Noise power level	52 dBA @ 7mt		









- 1 Control panel
- 2 Engine oil filter cartridge
- 3 Oil dipstick
- 4 Engine oil cap
- 5 Air filter
- 6 Closed circuit water pump
- 7 Seawater pump

- 8 Fuel filter
- 9 Seawater exhaust connection (ø 50mm)
- 10 Seawater inlet (ø 16mm)
- 11 Battery connection
- 12 Fuel tank connection (ø 8mm)
- 13 Electric cables outlet
- 14 Fixing stirrups

FITTINGS

EXHAUST COMPONENTS KIT SIPHON BREAK WATER-GAS SEPARATOR KIT STARTING REMOTE CONTROL PANEL WITH INSTRUMENTS

Dealer:

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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