

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.
- Easy access to Oil and fuel filters.
- Safety stop in case of low oil pressure.
- Safety stop in case of high water/exhaust gas temperature.

Alternator

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

MARINER MARINER 1600 A 1900 A 15.3 kW 18.4 kW 50 Hz 60 Hz

Engine	50 Hz	60 Hz	
Model	Yanmar 4TNV88		
Туре	Diesel 4 stroke		
Cylinders (nr.)	4		
Cylinder block material	Cast iron		
Bore (mm in.)	88 - 3.5		
Stroke (mm in.)	90 - 3.6		
Displacement (cc CID)	2190 - 133.4		
Power (hp)	24.5	29.4	
RPM	1500	1800	
Combustion system	Direct injection		
Engine head material	Cast iron		
Speed governor	Centrifugal mechanical		
Lubrication system	Forced		
Oil sump capacity with filter	7.4 - 7.8		
(lt US qt)			
Engine stop system	Stop solenoid		
Fuel pump	Electronic		
Fuel pump discharge (cm ft)	70 - 2.3		
Max fuel consumption (I/h-gl/h)	5.6 - 1.4	6.7 - 1.9	
Starting battery (Ah-V)	80 - 12		
Battery charger (Ah-V)	40 - 12		
Starter (kW-V)	1.2 - 12		
Max. inclination	30°		
Water pump flow (I/min gl/min.)	25 - 6.6	28 - 7.4	
Alternator	50 Hz	60 Hz	
T	Synchrono	us, 4-poles,	

Synchronous, 4-poles,		
brushless self-excited		
Air		
115 - 230	120 - 240	
50	60	
133 - 66.5	200 - 100	
15.3	18.4	
13.9	16.7	
1		
Н		
±2%		
±5%		
	brushless s A 115 - 230 50 133 - 66.5 15.3 13.9 H ±2	

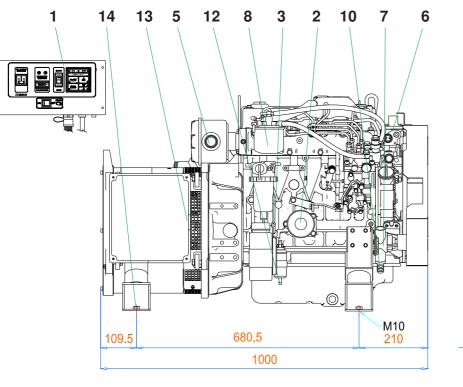
Cooling system

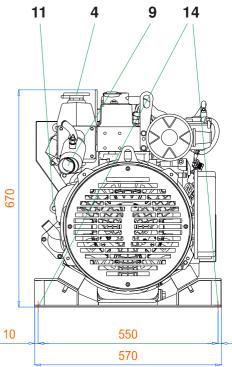
The cooling of the engine is based on a closed inner flow of coolant. The system is based on a cupronickel heat exchanger seawater/coolant type, where the thermal exchange occurs between coolant and seawater. Two separate pumps contribute to the flow of the coolant and the sea water.

1600 A 50 Hz • 1900 A 60 Hz



	50 Hz	60Hz
Dimension (Length x Width x Height.)	1000x570x670 mm	(39.3x22.4x26.4 in)
Weight	550 kg ((1211 lb)





- 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 indicatly for the installation. For more information, you may contact your local dealer or **mase** generators *S.p.A.*.

mase generators S.p.A. reserves the right to change the design or specifications without notice and without any obligations or liability whatsoever For more information, you may contact your local **mase** dealer.



MASE GENERATORS S.p.A. Via Tortona, 345 47522 Cesena (FC) Italy Tel.+39-0547-354311 Fax.+39-0547-317555 Email : mase@masegenerators.com 10