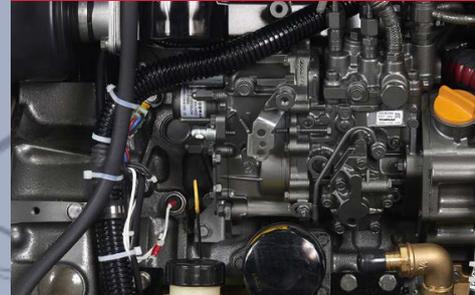


# mariner 700 S - 810 S



CONTROL PANEL



YANMAR



WATER/GAS OUTLET

**the** engine is cooled by a coolant loop in a closed circuit. The system consists of a heat exchanger, inside which the heat exchange between coolant and sea water takes place. Two separate pumps provide for the circulation of coolant and seawater. Air flows ensure effective cooling of the alternator. The excellent accessibility makes maintenance operations easier, even with the generator installed in confined environments.



COMPACT DESIGN



EASY INSTALLATION



SUPER SILENCED

We reserve the right to modify the data, images and drawings in this document without prior notice.

For more detailed information, please contact your local distributor or Mase Generators S.p.A.



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**mase**  
**GENERATORS**  
*Believing in change.*

Output power 7.4 kW 50 Hz - 8.8 kW 60 Hz

## CONTROL PANEL

\_ CBU EVO IL4 device controls and drives the genset. The large display and control pushbuttons allow an easy use and monitoring:

- Manual start
- Voltage Vac
- Frequency Hz
- Hour meter
- Genset Battery voltage
- Low oil pressure alarm
- Engine preheating
- Engine high temperature alarm
- Alternator battery charger failure alarm
- Protection alarm for frequency and rpm
- Alarm history
- Maintenance warning
- General alarm outlet
- RUN outlet
- Ready outlet
- Programmable AUX outlet

\_ Emergency stop button

\_ Magneto-thermal protection

## ENGINE

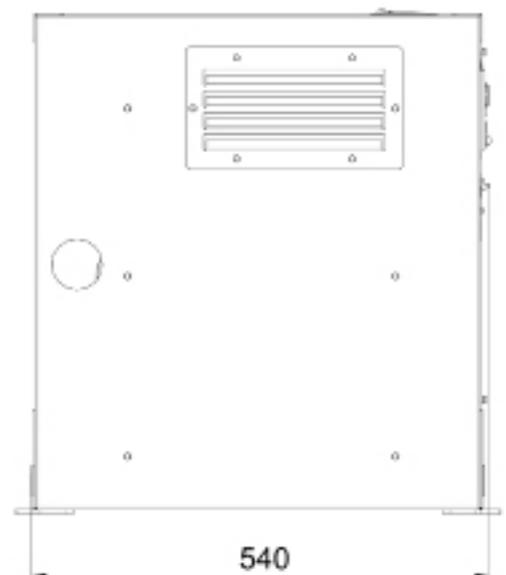
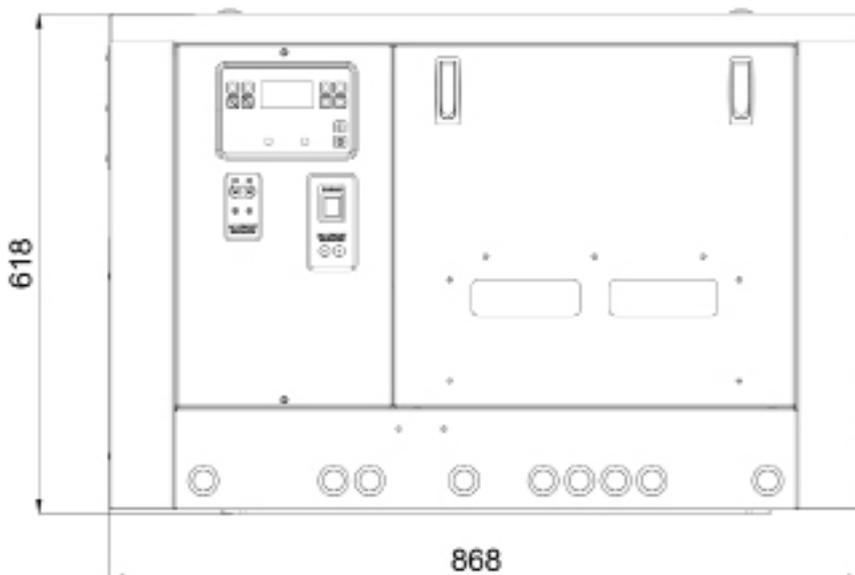
\_ Easy maintenance access to the feeding and lubrication systems, the sea water pump and the air filter

\_ Double vibration dumping system

\_ Oil drain pump

## SOUNDPROOF CABIN

\_ Made of extremely light marine aluminum with very high resistance to external agents



Output power 7.4 kW 50 Hz - 8.8 kW 60 Hz

	50 Hz	60 Hz
AC alternator -	Synchronous, 4 poles, self-energized	
Cooling -	Air	
Voltage -	115 - 230 V	120 - 240 V
Frequency -	50 Hz	60 Hz
Amps -	64.3 - 32.2 A	73.3 - 36.7 A
Max power -	7.4 kW	8.8 kW
Continuous power -	6.6 kW	8 kW
Power Factor -	cos $\phi$ 1	
Insulating class -	H	
Voltage stability -	$\pm 10\%$	
Frequency stability -	$\pm 5\%$	
The power is referred to a sea water temperature up to 31°, an atmospheric pressure of 100 KPa and a humidity percentage of 30%		
Model -	Yanmar 3TNV80F	
Type -	Diesel	
Cylinders -	nr 3	
Cylinder block material -	Cast iron	
Bore -	80 mm - 3.15 in	
Stroke -	84 mm - 3.31 in	
Displacement -	1267 cc - 77.32 CID	
Power -	12.74 hp - 9.37 kWm (at 1500 RPM)	14.35 hp - 10.56 kWm (at 1800 RPM)
RPM -	1500	1800
Compression ratio -	23:1	
Combustion system -	Direct injection	
Engine head material -	Cast iron	
Speed governor -	Mechanical	
Lubrication system -	Forced	
Oil sump capacity with filter -	3 l - 0.85 gl	
Engine stop system -	Electromagnet	
Fuel pump -	Electric	
Max. fuel pump head -	700 mm - 2.3 ft	
Fuel consumption -	2.3 l/h - 0.61 gl/h	2.9 l/h - 0.77 gl/h
Air intake -	790 l/min - 28 cfm	904 l/min - 32 cfm
Starting battery -	65 Ah - 12 V	
Battery charger -	40 Ah - 12 V	
Starter motor -	1.2 kW - 12 V	
Max. inclination -	25°	
Water pump flow -	25 l/min - 6.6 gl/min	28 l/min - 7.4 gl/min
Sea water inlet pipe $\varnothing$ -	16 mm - 5/8"	
Exhaust pipe $\varnothing$ -	50 mm - 2"	
Input/Output fuel pipe $\varnothing$ -	8 mm - 5/16"	
Dimensions (L x W x H) -	868 x 540 x 618 mm - 34.17 x 21.25 x 24.3 (with soundproof box)	
Weight -	230 Kg - 507 lb (with soundproof box)	
Noise Level -	51 dBA at 7 mt (23 ft)	53 dBA at 7 mt (23 ft)

## Accessory

## Code

### ACCESSORIES ON REQUEST

• Complete installation kit D.50: filtration, drain, and antisiphon D.16	012276
• Filtering kit: sea inlet, water filter, valves, fittings D.16 - ref.4	04349
• Exhaust kit: muffler, silencer, exhaust nozzle D.50 MASE	04658
• Exhaust kit and super-silenced separator D.50 MASE	010078
• Siphon break kit D.16 - ref.3	04290
• Muffler D.50 MASE	70795
• Silencer D.50 MASE	71809
• Water/gas separator MASE D.50	04488
• Muffler Vetus LP50	71148
• Silencer Vetus MP50	71751
• Silencer c.71751 with soundproofing sponge	039866
• Separator Vetus LGS5038	71717
• Muffler Centek 2" - ref.5	71155
• Water/gas separator 2" Centek - ref.6	71156
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Remote start panel Comap IL4 with 20m connection cable - ref.2	039607
• Cruise Kit	913816



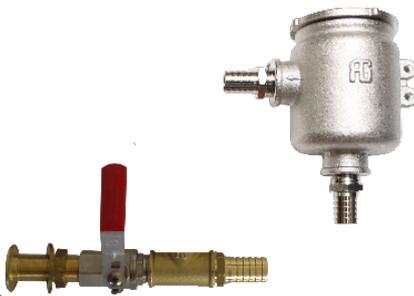
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