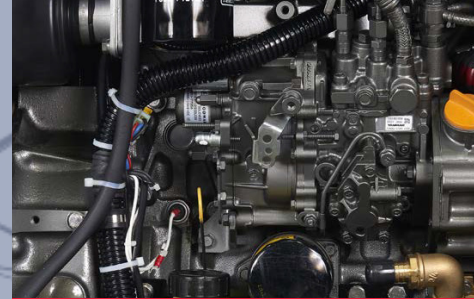


# mariner 1050 TS - 1160 TS



CONTROL PANEL



YANMAR ENGINE



INPUT/OUTPUT FUEL PIPE

**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.



**mase generators spa**

Via Tortona, 345 | 47522 - Cesena (FC) | Italy

Tel. +39 0547 354311

commercial@masegenerators.com

www.masegenerators.com

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

☺ Three-phase output power 10 kVA 50 Hz - 11.5 kVA 60 Hz

## CONTROL PANEL

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

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

\_ Emergency stop button

\_ Magneto-thermal protection

## ENGINE

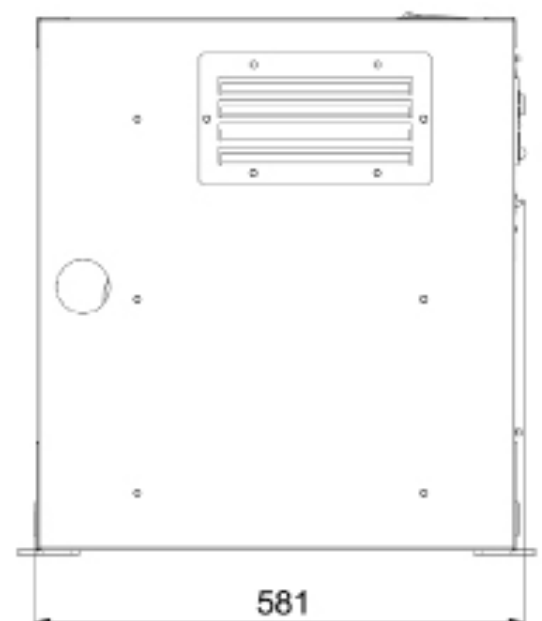
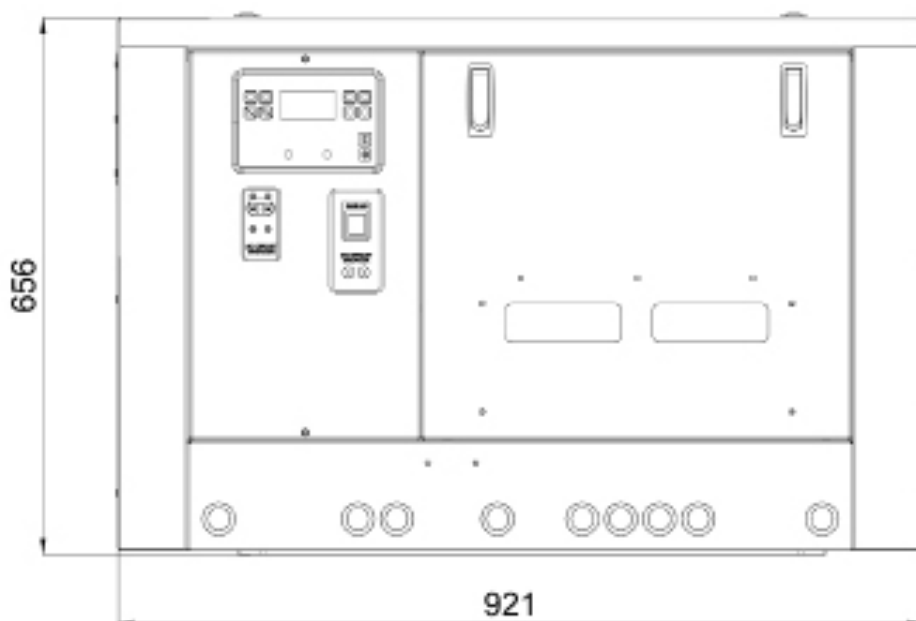
\_ Easy maintenance access to the feeding and lubrication systems, the sea water pump and the air filter

\_ Double vibration dumping system

\_ Oil drain pump

## SOUNDPROOF CABIN

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



Three-phase output power 10 kVA 50 Hz - 11.5 kVA 60 Hz

	50 Hz	60 Hz
AC alternator -	Synchronous, 4 poles, with AVR	
Cooling -	Air	
Voltage -	400 V	480 V
Frequency -	50 Hz	60 Hz
Amps -	14.5 A	13.8 A
Max power -	10 kVA	11.5 kVA
Continuous power -	9.2 kVA	10.2 kVA
Power Factor -	cos $\phi$ 0.8	
Insulating class -	H	
Voltage stability -	$\pm 2\%$	
Frequency stability -	$\pm 5\%$	

The power is referred to an atmospheric pressure of 100 kPa, a humidity percentage of 30% and an ambient temperature of 25°C.

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 (a 1500 giri)	14.35 hp - 10.56 kWm (a 1800 giri)
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 - 27.5 in	
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) -	921 x 581 x 656 mm - 36.3 x 22.9 x 25.8 in (with soundproof box)	
Weight -	295 Kg - 650 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: filtering, exhaust, and siphon break D.16	012276
• Filtering kit: sea water inlet, water filter, valves, fittings D.16 - ref.4	04349
• Exhaust kit: muffler, silencer, exhaust outlet D.50 MASE	04658
• Super silenced exhaust kit and separator D.50 MASE	010078
• Siphon break kit D.16 - ref.3	04290
• MASE muffler D.50	70795
• MASE silencer D.50	71809
• MASE water/gas separator D.50	04488
• Vetus LP50 muffler	71148
• Vetus MP50 silencer	71751
• Silencer c.71751 with soundproofing sponge	039866
• Vetus LGS5038 separator	71717
• Centek 2" muffler - ref.5	71155
• Centek 2" water/gas separator - ref.6	71156
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Comap IL4 remote start panel with 20m cable - ref.2	039607
• Cruise Kit	913888



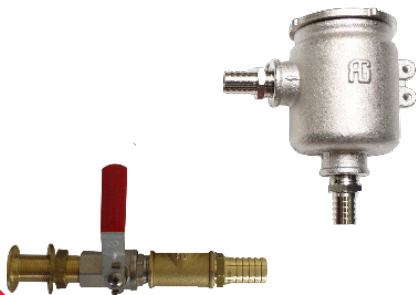
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