



## MASE MARINER1680T THREE-PHASE MARINE GENERATOR 16,8KVA 60Hz

Reference: MARINER 1680 T 60Hz

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MASE MARINER1680T single/three-phase marine generator equipped with a YANMAR 3TNV80F engine, powered by diesel and capable of delivering a maximum power of 16.8 KW at 1800 rpm.

The MASE MARINER1680T alternator is a 4-pole synchronous, self-regulated, self-excited, brushless, which in conjunction with the YANMAR engine can deliver a maximum power of 16,8KVA. The rotor and the stator are coated with epoxy paint to prevent the attack of atmospheric agents, in addition it is equipped with safety systems of self-stop in case of high temperatures detected on the windings. The alternator is complete with AVR voltage regulator that ensures the stability of the voltage delivered by the marine generator, delivering current like the home one.

The control panel of the marine generator MASE MARINER1680T has been designed in order to reduce, in a single panel, the commands, controls and protections. The elements that compose it are:

- Engine protection module for automatic shutdown in case of high water temperature, low oil pressure, high alternator temperature;
- Hour meter;
- Circuit breaker for protection in case of overload or short circuit;
- Thermal circuit breaker for DC circuit protection.

The AVR of the MASE MARINER1680T is an electronic device capable of automatically regulating the voltage and possibly the frequency and/or the electric current according to set values. These values can be modified or bound to the technical characteristics of the regulator itself.

Basically, thanks to an AVR, the alternating current coming from the alternator is regulated and transformed into direct current at constant voltage.

#### MASE MARINER1680T TECHNICAL SPECIFICATIONS:

Phase Type: Single Phase / Three Phase  
Maximum Power: 16.8 KVA  
Maximum Power: 13.5 KW  
Fuel: Diesel  
Voltage: 240 / 480 V  
Frequency: 60 Hz  
Alternator: Synchronous, 4 Pole  
Voltage Regulator: AVR  
Motor: YANMAR 3TNV88, 4 Stroke  
Mechanical output: 20.4 Hp  
Number of cylinders: 3

Displacement: 1642 cc  
RPM controller: Centrifugal mechanical  
Engine speed: 1800 rpm  
Fuel consumption: 4 l/h  
Length: 875 mm  
Width: 570 mm  
Height: 664 mm  
Weight: 294 Kg

Looking for a marine generator with different technical features? [Here](#) you can find the full range of marine generators MASE or other specialized brands.

Images and technical data are not binding.

## Technical Sheet

Phase	Single phase / Three phase
Maximum power three phase (KW)	13.5
Maximum power three phase (KVA)	16.8
Fuel	Diesel
Frequency (Hz)	60
Voltage (V)	240 / 480
Engine	YANMAR 3TNV88
Engine rpm (rpm)	1800
Speed governor	Centrifugal, mechanical
Engine capacity (cm <sup>3</sup> )	1642
Number cylinders	3
Cooling	Air
Inyección	Direct
Alternator	Synchronous, self-excited
Poles	4
Lubrication	Forced
Consumption (L/h)	4 at 100% of the load
Length (mm)	875
Width (mm)	570
Height (mm)	664
Dry weight (Kg)	294

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Inverter	No
AVR	Yes
Compound	No
Silenced	No
Super silenced	No
Voltage regulator	AVR
Engine manufacturer	Yanmar

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