

# MASE IS 12 MARINE GENERATOR SINGLE- PHASE 11.2KW



Product price:

**21.950,00 € tax excluded**

## Product description:

MASE IS 12 super-silenced 11,2 KW AVR marine generator

MASE IS12 single-phase 11,2 KW marine generator with 1500 rpm motor. The MASE IS12 marine generator is designed with a soundproof enclosure that makes it **supersilenced**. The MASE IS12 marine generator is built with Yanmar diesel-powered engine and synchronous, self-excited, self-regulated brushless alternator with electronic voltage regulation **AVR** and air/water cooling. The AVR makes the voltage stable and avoids voltage fluctuations that can damage the connected sensitive electronic devices. With its small size, it is also suitable on small boats.

## Technical features:

Maximum power Single-phase: 11.2 KW

Continuous use power Single-phase: 10. 2 KW

Fuel: Diesel

Voltage: 115 V / 230 V

Frequency: 50 Hz

Motor: Yanmar 3TNV88

Length: 985 mm

Width: 585 mm

Height: 730 mm

Weight: 344 Kg

AVR

## Control panel

The CBU control panel of the MASE IS12 is designed to bring together, in a single panel, the commands, controls and protections of the generator. The elements that compose it are:

- Engine protection module for automatic shutdown of the generator set in case of high water



temperature, low oil pressure, high alternator temperature.

- Operating hour meter.
- Start and shutdown switch.
- Magnetothermal switch for generator protection in case of overload or short circuit.
- Thermal switch for DC circuit protection

#### Alternator

- Synchronous, 4-pole, self-excited, brushless self-regulated with electronic AVR voltage regulation.
- Rotor and stator are coated with epoxy paint to prevent corrosion.
- Dynamically balanced rotor.
- Class H insulation.

#### Soundproofing Cabin

The soundproofing cabin of the MASE IS12 of excellent design and new design, consists of a supporting structure in aluminum profile that supports panels in marine aluminum painted type 5754 remarkably light and very high resistance to external agents. The excellent accessibility to the internal compartment makes maintenance operations easier even with the MASE IS12 marine generator installed in cramped environments.

#### The W/A intercooler

Allows the genset to be completely free from external environmental conditions, allowing the alternator and the engine to work at an ideal temperature, optimizing the performance and reliability of the machine.

#### Cooling system

The cooling of the engine of the MASE IS12 takes place by circulating coolant in a closed circuit. The system is composed of a cupronickel exchanger, inside of which the heat exchange between coolant and sea water takes place. Two separate pumps circulate the coolant and seawater in the MASE IS12 generator. The cooling of the air, circulating inside the machine, is obtained through a sea water/air heat exchanger. The air flows guarantee an effective cooling of the alternator and the achievement of an optimal temperature for the performance and reliability of the machine. This system has the advantage of ensuring the best operating conditions of the generator set regardless of the ambient temperature of the housing.

If you are looking for another generator like the IS12 then you can consult the entire catalog of marine gensets.





Images and technical data are not binding.

### Product features:

Phase: Single phase

Maximum power single phase (KW): 11.2

Continuous power single phase (KW): 10.2

Maximum power single phase (KVA): 11.2

Continuous power single phase (KVA): 10.2

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 115 / 230

Engine: Yanmar 3TNV88, 4 stroke

Engine rpm (rpm): 1500

Speed governor: Centrifugal, mechanical

Engine capacity (cm<sup>3</sup>): 1642

Number cylinders: 3

Oil capacity (L): 6.7

Cooling: Air / water (Intercooler W/A)

Inyección : Direct

Alternator: Synchronous, self-excited

Poles: 4

Compression ratio: 19.1 : 1

Lubrication: Forced

Consumption (L/h): 4 at 100% of the load

Acoustic pressure: 50 dB(A) at 7 m

Length (mm): 985

Width (mm): 585

Height (mm): 730

Dry weight (Kg): 344

Silenced: Yes

Super silenced: Yes

Product type: Generator

Voltage regulator: AVR

Engine manufacturer: Yanmar

