



## MASE IS 13.5 K MARINE GENERATOR SINGLE-PHASE 12.5KW

Reference: MASE IS 13.5 K

### MASE IS 13.5 SINGLE PHASE MARINE GENERATOR 12.5KW

MASE IS13,5K single-phase marine generator with Kubota D1703 engine with diesel power supply at 1500 rpm capable of delivering a power of 12,5KW.

The MASE IS13,5K marine generator is made up of a soundproof cabin with a supporting structure in aluminium profile which supports panels in marine painted aluminium type 5754 extremely light and of very high resistance to external agents. The excellent accessibility to the internal compartment makes maintenance operations easier even with the generator set installed in narrow spaces.

The MASE IS13,5K thanks to the low engine speed and to the soundproof cabin has a surprisingly low noise emission of only 48 dB (A) at 7 meters.

The Intercooler W/A allows the MASE IS13,5 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

The engine is cooled by circulating coolant in a closed circuit. The system is composed of a cupronickel exchanger, inside which the heat exchange between coolant and sea water takes place. Two separate pumps circulate the coolant and seawater. The cooling of the air, circulating inside the MASE IS13,5K, is obtained through a heat exchanger sea water/air. 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. Such a system has the advantage of ensuring the best operating conditions of the marine generator regardless of the ambient temperature of the accommodation compartment.

#### Technical features:

Maximum power: 12.5KW  
Fuel: Diesel  
Voltage: 115 V / 230 V  
Frequency: 50 Hz  
Motor: Kubota D1703  
Engine revolutions: 1500 rpm  
Length: 986 mm  
Width: 568 mm  
Height: 734 mm  
Weight: 400 Kg

If you are looking for another generator like the MASE IS13.5K then you can browse the entire catalog of [marine gensets](#).

Images and technical data are not binding.

## Technical Sheet

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Phase                               | Single phase                        |
| Maximum power single phase (KW)     | 13.1                                |
| Continuous power single phase (KW)  | 12.6                                |
| Maximum power single phase (KVA)    | 13.1                                |
| Continuous power single phase (KVA) | 12.6                                |
| Fuel                                | Diesel                              |
| Frequency (Hz)                      | 50                                  |
| Voltage (V)                         | 115 / 230                           |
| Engine                              | Yanmar 3TNV84 TURBO, 4 stroke turbo |
| Engine rpm (rpm)                    | 1500                                |
| Speed governor                      | Centrifugal, mechanical             |
| Engine capacity (cm <sup>3</sup> )  | 1500                                |
| Number cylinders                    | 3                                   |
| Oil capacity (L)                    | 4.6                                 |
| Cooling                             | Air / water (Intercooler W/A)       |
| Inyección                           | Direct                              |
| Alternator                          | Synchronous, self-excited           |
| Poles                               | 4                                   |
| Compression ratio                   | 19.1 : 1                            |
| Lubrication                         | Forced                              |
| Consumption (L/h)                   | 4.3 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)                     | 390                                 |
| Inverter                            | No                                  |
| AVR                                 | Yes                                 |
| Compound                            | No                                  |
| Silenced                            | Yes                                 |

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Super silenced

Yes