

# MARINER

## 550 s

**5.5 kW 50 Hz**



### CBU control panel (Mod-Bus transmission Unit)

New design, latest technology, big display and soft touch buttons for quick menu navigation, start and stop procedure, IP54 protection grade. Very compact 86x124mm (3.84x4.9 in) with a shielded connecting cable 10mts (32.8 ft) long, CBU has many functions for an easy monitoring of the generator:

- ON/OFF/START/STOP/MENU controls.
- Digital hour-meter, Main voltage, Generator Battery voltage, external battery pack voltage, Frequency, Service time, Event list of last 10 alarms and time.
- 13 different alarms icons displayed.
- 485 Mod-Bus connector for monitoring generator by boat main control monitor.

### Engine

- Easy access in case of maintenance of feeding system, lubrication system, sea/water pump and air filter.
- Safety stop in case of low oil pressure.
- Safety stop in case high engine temperature or exhaust gas temperature.
- Oil filter and fuel filter easy to replace.

### Alternator

- Synchronous, 2 poles, self-regulated, brush less self-excited.
- Rotor and stator epoxy resin coated against external agents.
- Rotor dynamically balanced.
- Insulation class H.
- Safety stop for high coilings temperature.

### Soundproof cabin

A new design cabin composed by aluminum painted panels 5754 type, that has a very high resistance to external agents.

Thanks to this structure, soundproof cabin has a very limited weight and an easy accessibility for maintenance services, also if installed in narrow places.

### Engine

	50 Hz
Model	Kubota Z482
Type	Diesel 4 stroke
Cylinders (nr.)	2
Cylinder block material	Cast iron
Bore (mm - in.)	67
Stroke (mm - in.)	68
Displacement (cc - cu.in.)	479
Power (hp)	11,1
Rated rpm	3000
Combustion system	Indirect
Engine head material	Alluminum
Speed governor	Centrifugal mechanical
Lubrication system	Forced
Oil sump capacity (L - qt.)	2,1
Engine stop system	Stop solenoid
Fuel pump	Electric
Fuel pump discharge (cm - in.)	70
Full load consumption (L/h - gal/h)	2,6 - 0,69
Starting battery (Ah-V)	45 - 12
Battery charger (Ah-V)	40 - 12
Starter (kW-V)	0,8 - 12
Max. inclination	30°
Water pump flow (L/min - gal/min)	24

### Alternator

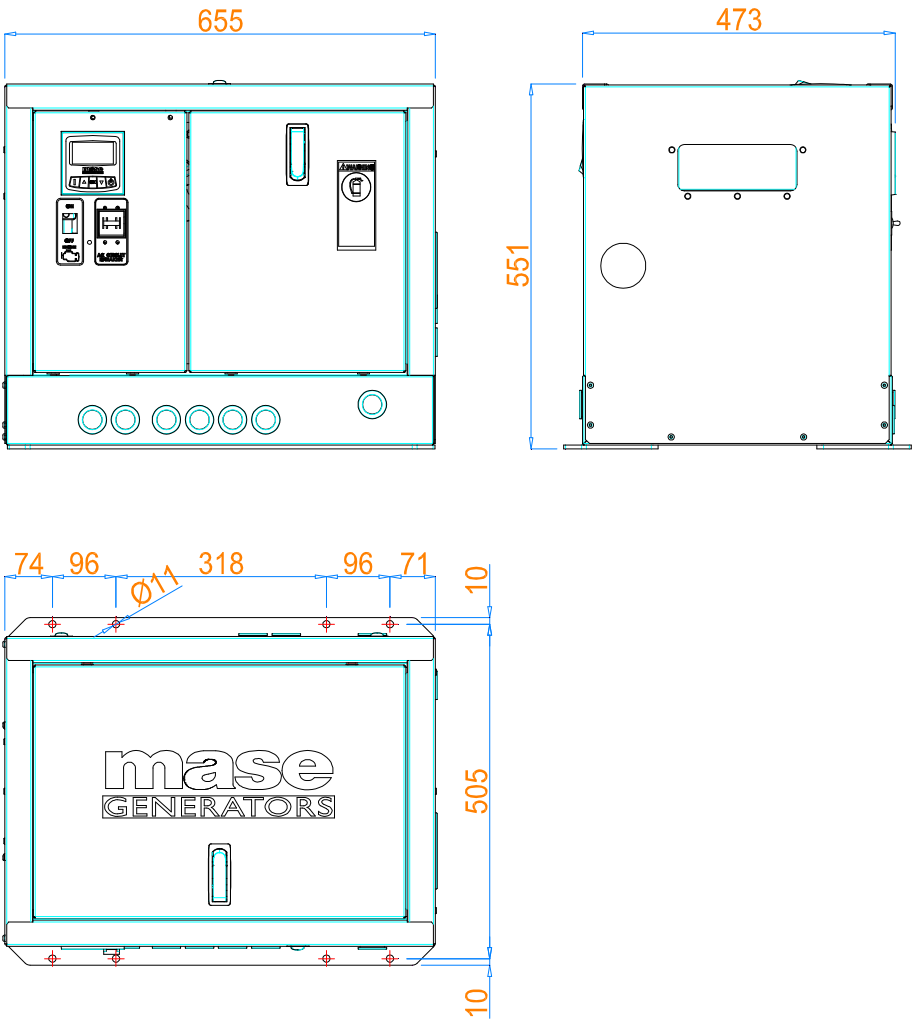
	50 Hz
Type	Synchronous, 2-poles, self-excited
Cooling	Air
Voltage (V)	115 - 230
Frequency (Hz)	50
Current (A)	46,7 - 23,3
Max. power (kW)	5,5
Continuous power (kW)	5
Power factor ( cos ø )	1
Insulating class	H
Voltage stability	±10%
Frequency stability	±5%

### Cooling system

The cooling of the engine is based on a closed inner flow of coolant. The system is based on a cupronickel heat exchanger seawater/coolant type, where the thermal exchange occurs between coolant and seawater. Two separate pumps contribute to the flow of the coolant and the sea water.

# 550 S 50 Hz

	50 Hz			
Dimensions (Leng. x Width x Height)	655 x	473 x	551	mm in.
	25,8 x	18,6 x	21,7	
Weight	155 kg - 341 lb			
Noise level emission	55 dBA @ 7mt			



## FITTINGS

- EXHAUST COMPONENTS KIT
- SIPHON BREAK
- WATER-GAS SEPARATOR KIT
- STARTING REMOTE CONTROL PANEL WITH INSTRUMENTS

*This drawing is only a reference and is not indicated for the installation. For more information, you may contact your local dealer or **mase** generators S.p.A..*

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