

MARINER MARINER

610 B 710 B

6.1 kW 50 Hz 7.1 kW 60 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.
- Quick access to seawater pum.

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	60 Hz
Model	Kubota Z482	
Type	Diesel 4 stroke	
Cylinders (nr.)	2	
Cylinder block material	Cast iron	
Bore (mm - in.)	67 - 2,6	
Stroke (mm - in.)	68 - 2,7	
Displacement (cc - cu.in.)	479 - 29,2	
Power (hp)	11,1	13,3
Rated rpm	3000	3600
Combustion system	Direct	
Engine head material	Alluminum	
Speed governor	Centrifugal mechanical	
Lubrication system	Forced	
Oil sump capacity (L - qt.)	2,1 - 2,2	
Engine stop system	Stop solenoid	
Fuel pump	Electric	
Fuel pump discharge (cm - in.)	70 - 27,6	
Full load consumption (L/h - gal/h)	2,6 - 0,69	2,7 - 0,71
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)	20 - 5,28	24 - 6,34

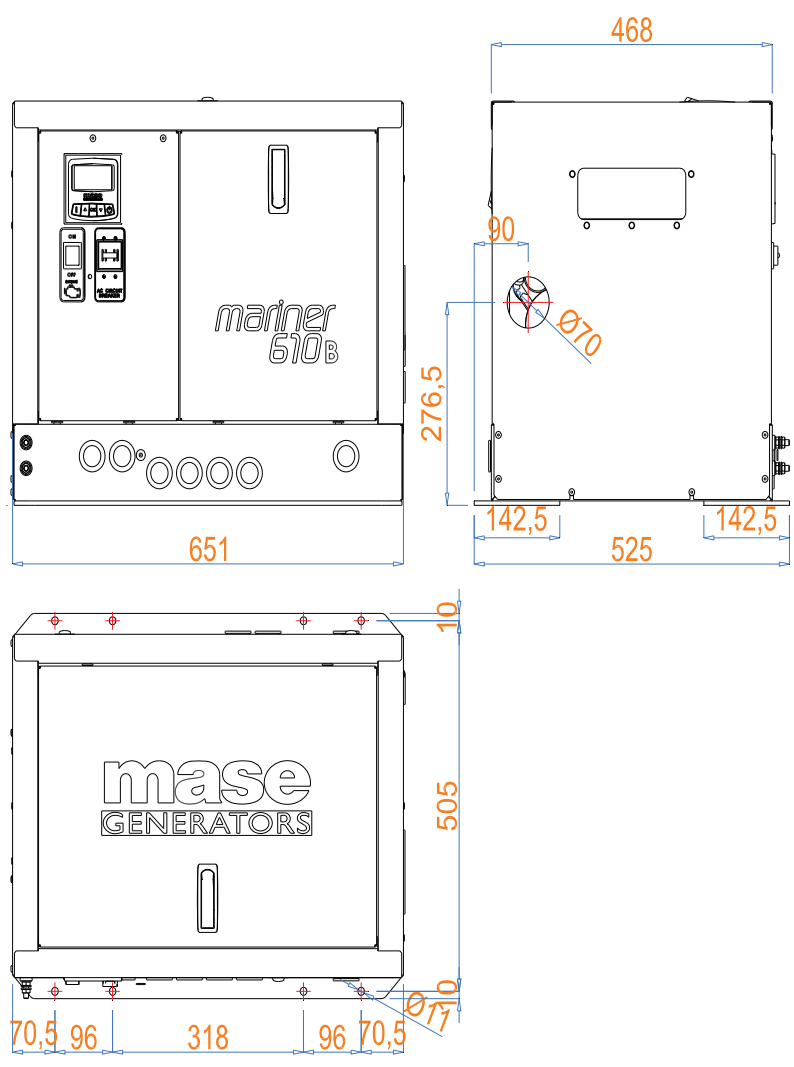
Alternator	50 Hz	60 Hz
Type	Synchronous, 2-poles, self-excited	
Cooling	Air	
Voltage (V)	115 - 230	120 - 240
Frequency (Hz)	50	60
Current (A)	53,0 - 26,5	59 - 29,6
Max. power (kW)	6,1	7,1
Continuous power (kW)	5,6	6,6
Power factor (cos ϕ)	1	
Insulating class	H	
Voltage stability	±10%	
Frequency stability	±5%	

Cooling system

The cooling system of the engine is based on a intercooler system heat exchanger (sea water/air) with the main function of reducing the temperature of the air flow inside the soundproof cabin. The system provides an efficient cooling of the alternator and the optimal temperature for the best performance and reliability of the gensets; despite the on board allocation and the room temperature.

610 50 Hz • 710 60 Hz

	50 Hz	60 Hz
Dimensions (Leng. x Width x Height)	651 x 468 x 551 mm	651 x 468 x 551 mm
	25,6 x 18,4 x 21,7 in.	25,6 x 18,4 x 21,7 in.
Weight	125 kg - 275 lb	125 kg - 275 lb
Noise level emission	55 dBA @ 7mt	56 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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