



Control Panel

The gen-set control panel has short dimensions (86x124mm, 3.4x4.9in.). It is supplied with 10mt wire shielded. Designed with the most modern technology, it is supplied inside with a microchip. The keyboard is made by polyester shockproof with grade of protection IP54 and includes:

- Hour-meter.
- Start-stop button.
- Alarm lamps and low oil pressure.
- Engine and alternator high temperature alarm lamps

Engine

- Easy access in case of maintenance to the feeding system and lubrication, of the sea/water pump and the air filter.
- Safety stop in case of low oil pressure.
- Safety stop in case high water/exhaust gas temperature.
- Double vibration dumping system.
- Oil filter.
- Oil drain pump.

Alternator

- Synchronous, 2 poles, self-regulated, brush less self-excited.
- Rotor and stator epoxy resin coated against external agents.
- Insulation class H.
- High temperature coilings protection.

Soundproof cabin

A new project engineering design with a structure of a draw piece of aluminum supporting, painted aluminum panels of high resistance to external agents. Of limited weight and easy accessibility to the inner cabin in case of maintenance services.

THE INTERCOOLER W/A

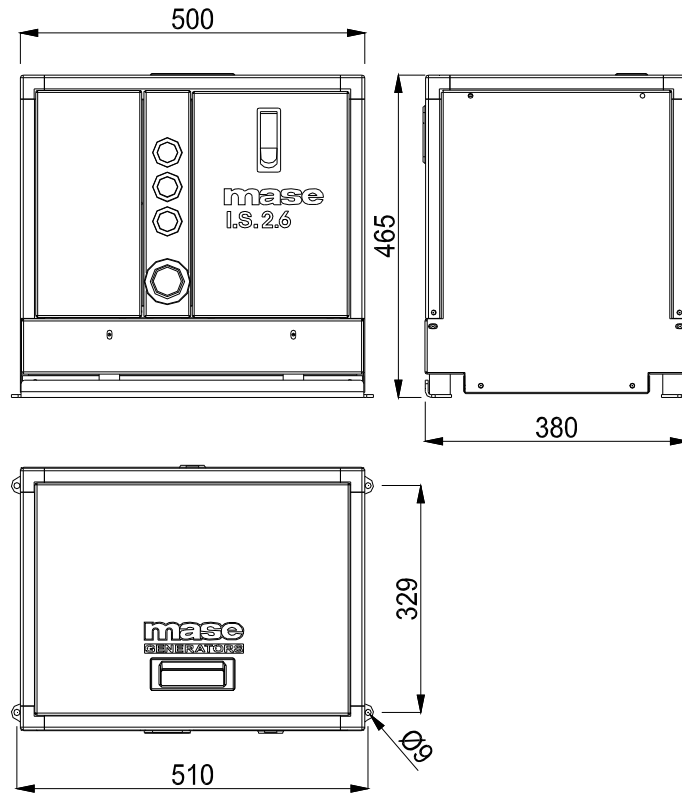
Assures the perfect functioning of the generator independently of the external ambient temperature, therefore the alternator and the engine will work at ideal temperature optimizing the performance and reliability of the gen-set.

Engine	50 Hz	60Hz
Model	Yanmar L48 N	
Type	Diesel 4 stroke	
Cylinders (nr.)	1	
Cylinder block material	Cast iron	
Bore (mm. - in.)	70	
Stroke (mm.- in.)	55	
Displacement (cc. - CID)	211	
Power (hp)	4,2	4,7
RPM	3000	3600
Injection system	20,5:1	
Engine head material	Cast iron	
Speed governor	Centrifugal mechanical	
Lubrication system	Forced	
Engine stop system	Stop solenoid	
Fuel pump	Electric	
Fuel pump discharge (cm. - ft)	70 - 2,3	
Fuel consumption (l/h-gl/h)	0,7	0,8
Air intake (l/min. - gl/min.)	280 - 9,9	340 - 12
Starting battery (Ah-V)	45 - 12	
Starter (kW-V)	0,8 - 12	
Max. inclination	30°	
Water pump flow (l/min. - gl/min.)	20 - 4.4	
Alternator		
Type	Synchronous, 2-poles self excited	
Cooling	Air/water (Intercooler W/A)	
Voltage (V)	115 - 230	120 - 240
Frequency (Hz)	50	60
Amps	17,4 - 8,7	18,3 - 9,16
Max. power (kW)	2,0	2,2
Continuous power (kW)	1,7	1,9
Battery charger output (A-V)	10-12	
Power factor (cos ø)	1	
Insulating class	H	
Voltage stability	±10%	
Frequency stability	±5%	

Cooling system

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

	50 Hz	60Hz
Dimension (Lenght x Width x Height.)	500 x 380 x 465mm - 19,7x14,9x18,3 (in.) (with soundproof box)	
Weight	80 Kg. -364 (lb)(with soundproof box)	
Noise Level	54 dB _A at 7mt	56 dB _A at 7mt



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

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FITTINGS

EXHAUST COMPONENTS KIT

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