IS 5.7

5.5 kW 60 Hz

Control Panel

Very compact 86x124mm *(3.84x4.9 in)* and featuring a shielded connecting cable 10mts *(32.8 ft)* long.
Manufactured according to the lates technologies, it features a microprocessor based design. The polyestyer shockproof keyboard with IP54 protection grade contains:

- Digital hour-meter.
- ON/START/OFF controls.
- Low oil pressure warning light.
- Hight engine / alternator temperature warning lights and cutout.

Engine

- One side serviceability of injection and lubrification system, sea water pump and air cleaner.
- Low oil pressure cutout.
- High exhaust temperature cutout.
- Double vibration dumping system.
- Oil filter.
- Easy access to the disposable oil filter.
- Oil drain pump.

Alternator

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

Soundproof cabin

A new project engineering design with a structure of a draw piece of aluminum supporting, painted aluminum panels type 5754 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

It cools the air inside the sound proof box so that the engine as well as the alternator work at the ideal temperature, independently of the outside ambient conditions. By means of intercooler W/A generating set performances and reliability are always at their best.

Engine	60Hz
Model	Yanmar L100 LV
Type	Diesel, 4-stroke
Cylinders (nr.)	1
Cylinder block material	Aluminium
Bore (mm. - in.)	86 - 3.38
Stroke (mm. - in.)	70 - 2.95
Displacement (cc. - CID)	406 - 26.6
Power (hp)	9.1
RPM	3600
Compression ratio	20:1
Combustion system	Direct injection
Engine head material	Aluminium
Speed governor	Centrifugal mechanical
Lubrication system	Forced
Oil sump capacity with filter (lt. - US qts)	1.65 - 0.36
Engine stop system	Fuel solenoid
Fuel pump	Electric
Fuel pump discharge (cm. - ft)	70 - 2.3
Fuel consumption (l/h-gl/h)	2.5 - 0.55
Air intake (l/min. - gl/min.)	660 - 23.3
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	60Hz
Type	Brush less synchronous, 2-poles self-excited
Cooling	Air/water (Intercooler W/A)
Voltage (V)	120 - 240
Frequency (Hz)	60
Nominal current (A)	47.5 - 23.7
Max. power (kW)	5.5
Continuous power (kW)	4.8
Battery charging outpout (A-V)	10 - 12
Power factor (cos ø)	1
Insulating class	H
Voltage stability	±10%
Frequency stability	±5%

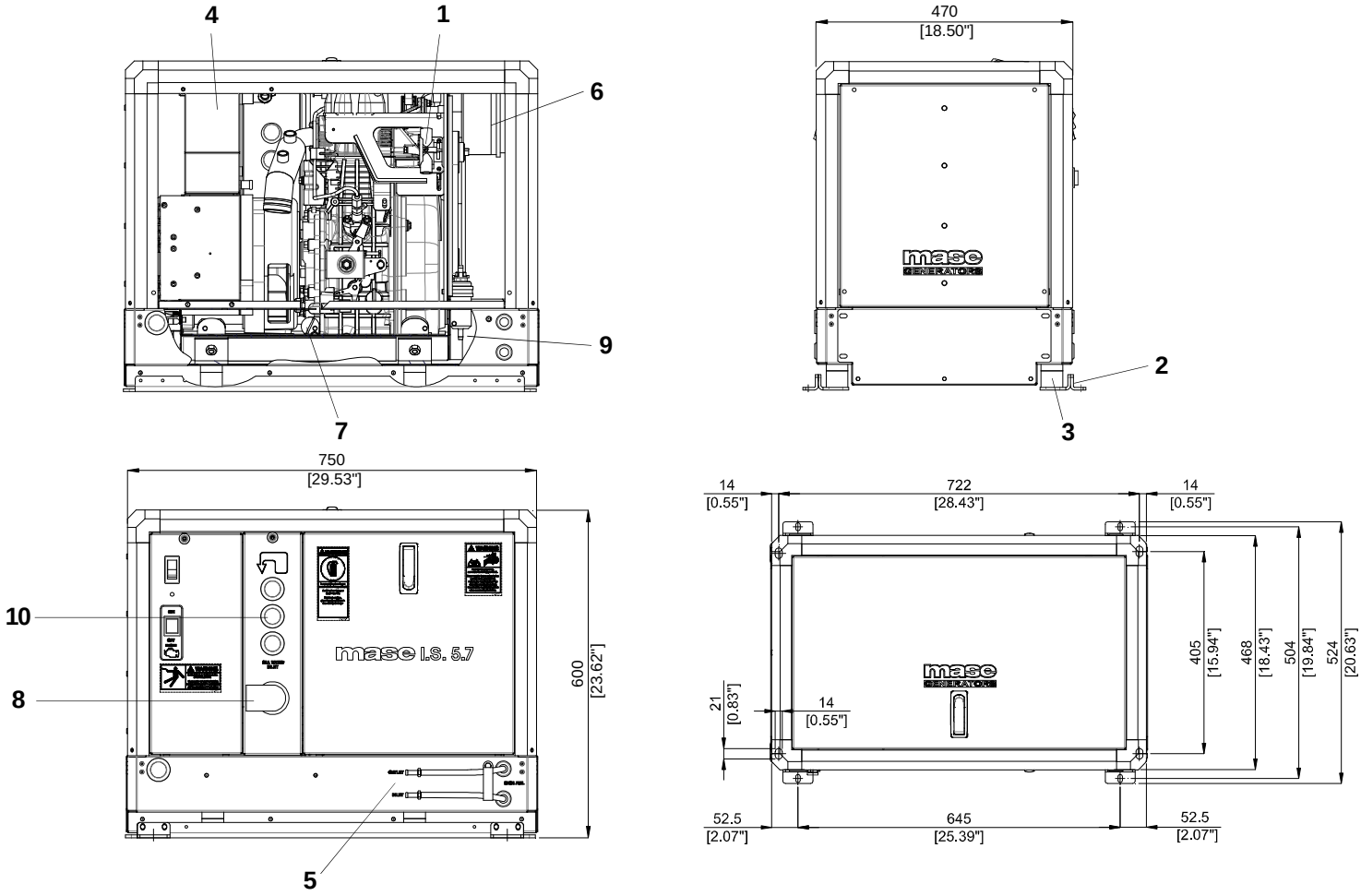
Cooling system

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.

IS 5.7 60 Hz

60Hz

Dimension (Lenght x Width x Height.)	750 x 470 x 600mm - 29.5x18.5x23.6 (in.) (with soundproof box)
Weight	130 Kg. - 286 (lb) (with soundproof box)
Noise Level	56 dB_A at 7mt (23 ft)



1- Sea water pump
2 - Genset base bracket
3 - Vibromounts
4 - Heat exchanger (Intercooler W/A)
5 - Fuel tank connection
6 - Air cleaner
7 - Oil filter
8 - Exhaust manifold (ø50 mm)
9 - Fuel pump (ø8 mm)
10- Connection to sea water intake (ø15 mm)

*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

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