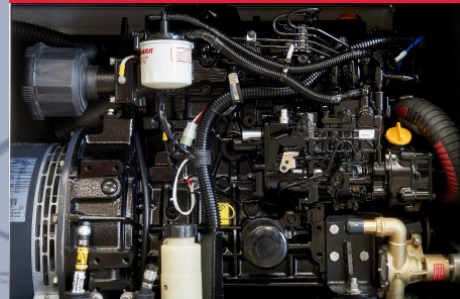


IS 43 T



CONTROL PANEL



YANMAR ENGINE



INPUT/OUTPUT FUEL PIPE

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. The generator may be installed in any room on the vessel without the need of ventilation blowers. Extremely compact and quiet, the generator is equipped with a double shock absorbing system to increase comfort: the first one absorbs vibrations from engine-alternator to the frame, the second one absorbs residual micro-vibrations from frame to vessel.



COMPACT
DESIGN



EASY
INSTALLATION



SUPER
SILENCED

We reserve the right to modify the data, images and drawings in this document without prior notice.

For more detailed information, please contact your local distributor or Mase Generators S.p.A.



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mase
GENERATORS
Believing in change.

CONTROL PANEL

_ CBU EVO IL4 device controls and drives the genset. The large display and control pushbuttons allow an easy use and monitoring:

- Manual start
- Voltage Vac
- Frequency Hz
- Hour meter
- Genset Battery voltage
- Low oil pressure alarm
- Engine preheating
- Engine high temperature alarm
- Alternator battery charger failure alarm
- Protection alarm for frequency and rpm
- Alarm history
- Maintenance warning
- General alarm outlet
- RUN outlet
- Ready outlet
- Programmable AUX outlet

_ Emergency stop button

_ Magneto-thermal protection

ENGINE

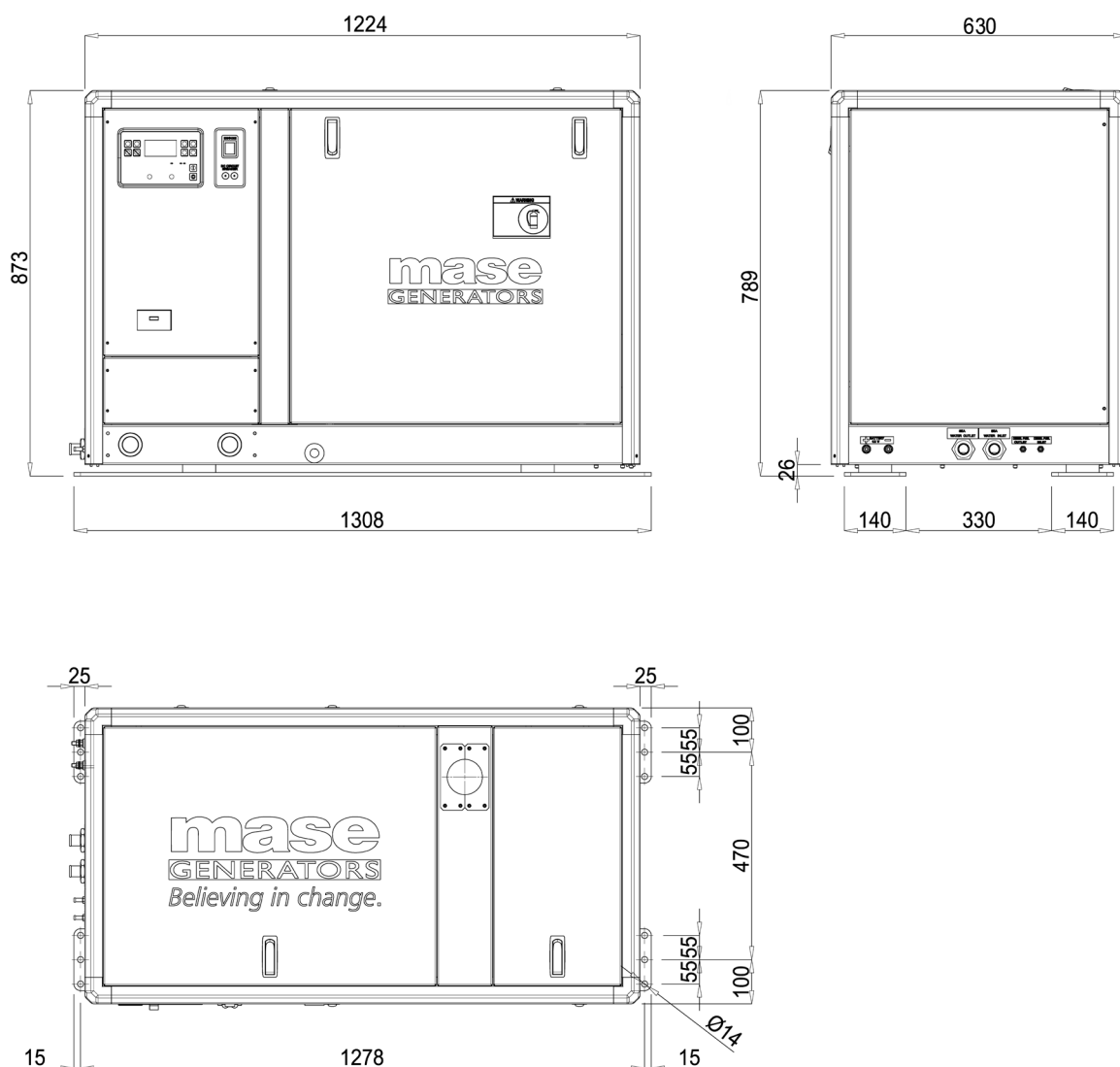
_ Easy maintenance access to the feeding and lubrication systems, the sea water pump and the air filter

_ Double vibration dumping system

_ Oil drain pump

SOUNDPROOF CABIN

_ Made of extremely light marine aluminum with very high resistance to external agents




Three-phase output power 42.5 kW 60 Hz

60 Hz

AC alternator -	Synchronous, 4 poles, self-energized, brushless, with AVR
Cooling -	Air / Water (Intercooler W/A)
Voltage -	480 V
Frequency -	60 Hz
Amps -	51.2 A
Max power -	42.5 kVA
Continuous power -	40 kVA
Power Factor -	cos ϕ 0.8
Insulating class -	H
Voltage stability -	$\pm 2\%$
Frequency stability -	$\pm 5\%$

The power is referred to a sea water temperature up to 31°, an atmospheric pressure of 100 KPa and a humidity percentage of 30%

Model -	Yanmar 4TNV98
Type -	Diesel 4 stroke
Cylinders -	nr 4
Bore -	98 mm - 3.86 in
Stroke -	110 mm - 4.33 in
Displacement -	3319 cc - 202.54 CID
Power -	56 hp - 41.19 kWm (at 1800 RPM)
RPM -	1800
Compression ratio -	18.5:1
Combustion system -	Direct injection
Engine head material -	Cast iron
Speed governor -	Centrifugal mechanical
Lubrication system -	Forced
Oil sump capacity with filter -	8.2 l - 2.31 gl
Engine stop system -	Electromagnet
Fuel pump -	Electric
Max. fuel pump head -	700 mm - 2.29 ft
Fuel consumption -	12.4 l/h - 3.28 gl/h
Air intake -	2700 l/min - 95 cfm
Starting battery -	100 Ah - 12 V
Battery charger -	40 Ah - 12 V
Starter motor -	2.3 kW - 12 V
Max. inclination -	25°
Water pump flow -	40 l/min - 10.5 gl/min
Sea water inlet pipe Ø -	25 mm - 1"
Exhaust pipe Ø -	60 mm - 2.5 in
Input/Output fuel pipe Ø -	8 mm - 5/16"

Dimensions (L x W x H) -	1224 x 630 x 789 mm - 48.2 x 24.8 x 31.1 in (with soundproof box)
Weight -	660 Kg - 1455 lb (with soundproof box)
Noise Level -	56 dBA at 7 mt (23 ft)

Accessory

Code

ACCESSORIES
ON REQUEST

• Filtering kit: sea water inlet, water filter, valves, fittings D.25 - ref.4	03793
• Siphon break kit D.25 - ref.3	015849
• Vetus LP60 muffler	71711
• Vetus MP60 silencer	71746
• Silencer c.71746 with soundproofing sponge	039865
• Vetus LGS6050 separator	71712
• Centek 2" 1/2 muffler	71714
• Centek 2" 1/2 water/gas separator	71713
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Comap IL4 remote start panel with 20m cable - ref.2	039607
• IS Yanmar oil water senders kit	011084
• Cruise Kit 2024	913809



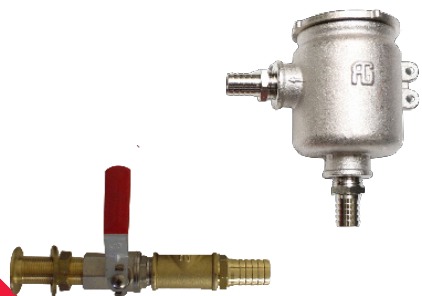
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