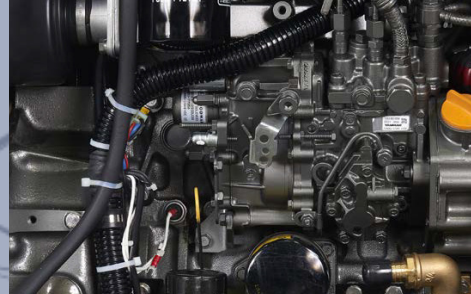


IS 14.5 T - 16.8 T



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



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.



mase generators spa

Via Tortona, 345 | 47522 - Cesena (FC) | Italy

Tel. +39 0547 354311

commercial@masegenerators.com

www.masegenerators.com

mase
GENERATORS
Believing in change.

Output power 14.1 kW 50 Hz - 16.8 kW 60 Hz

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

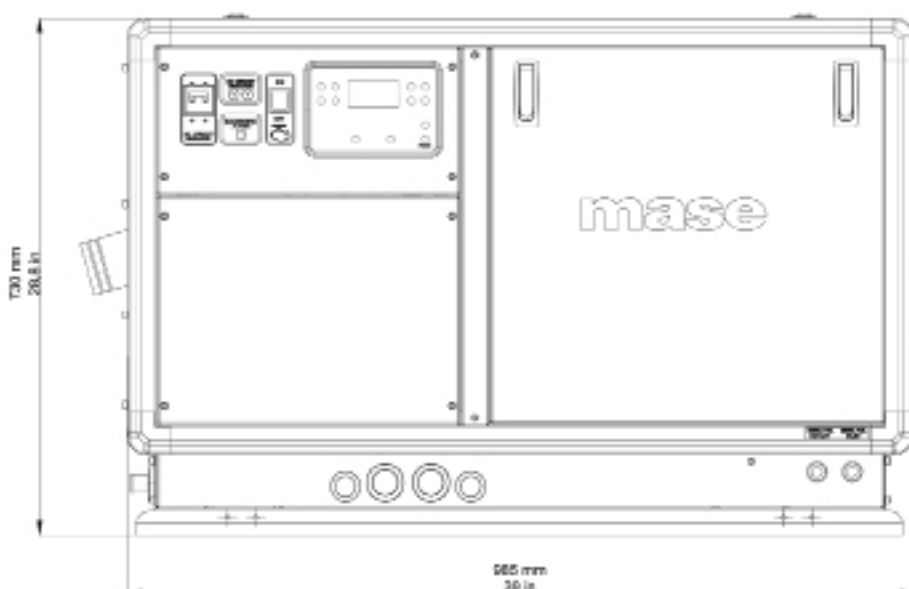
_ Double vibration dumping system

_ Oil drain pump

SOUNDPROOF CABIN

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

Insulated poles kit (for metal hull boats), dry exhaust kit and keel cooling kit are available on request



IS 14.5 T**IS 16.8 T****mase**
GENERATORS
*Believing in change.***Output power 14.1 kW 50 Hz - 16.8 kW 60 Hz****50 Hz****60 Hz**

AC alternator -

Synchronous, 4 poles, self-energized, brushless, with AVR

Cooling -

Air / Water (Intercooler W / A)

Voltage -

400 V

480 V

Frequency -

50 Hz

60 Hz

Amps -

20.4 A

20.2 A

Max power -

14.1 kVA

16.8 kVA

Continuous power -

12.75 kVA

15.3 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 3TNV88

Type -

Diesel

Cylinders -

nr 3

Cylinder block material -

Cast iron

Bore -

88 mm - 3.47 in

Stroke -

90 mm - 3.55 in

Displacement -

1642 cc - 100.20 CID

Power -

18.4 hp - 13.53 kWm (at 1500 RPM)

22.2 hp - 16.33 kWm (at 1500 RPM)

RPM -

1500

1800

Compression ratio -

19.1:1

Combustion system -

Direct injection

Engine head material -

Cast iron

Speed governor -

Mechanical

Lubrication system -

Forced

Oil sump capacity with filter -

6.70 l - 1.89 gl

Engine stop system -

Electromagnet

Fuel pump -

Electric

Max. fuel pump head -

700 mm - 27.5 in

Fuel consumption -

4 l/h - 1.06 gl/h

5 l/h - 1.32 gl/h

Air intake -

904 l/min - 32 cfm

1300 l/min - 46 cfm

Starting battery -

80 Ah - 12 V

Battery charger -

40 Ah - 12 V

Starter motor -

1.2 kW - 12 V

Max. inclination -

25°

Water pump flow -

25 l/min - 6.6 gl/min

28 l/min - 7.4 gl/min

Sea water inlet pipe \varnothing -

20 mm - 3/4"

Exhaust pipe \varnothing -

50 mm - 2"

Input/Output fuel pipe \varnothing -

8 mm - 5/16"

Dimensions (L x W x H) -

985 x 585 x 730 mm - 38.8 x 23 x 28.7 in (with soundproof box)

Weight -

375 Kg - 827 lb (with soundproof box)

Noise Level -

50 dBA at 7 mt (23 ft)

52 dBA at 7 mt (23 ft)

IS 14.5 T

IS 16.8 T

mase
GENERATORS
Believing in change.

Accessory

Code

ACCESSORIES ON REQUEST

• Filtering kit: sea water inlet, water filter, valves, fittings D.20 - ref.4	016422
• Exhaust kit: muffler, silencer, exhaust outlet D.50 MASE	04658
• Super silenced exhaust kit and separator D.50 MASE	010078
• Siphon break kit D.20 - ref.3	03796
• MASE muffler D.50	70795
• MASE silencer D.50	71809
• MASE water/gas separator D.50	04488
• Vetus LP50 muffler	71148
• Vetus MP50 silencer	71751
• Silencer c.71751 with soundproofing sponge	039866
• Vetus LGS5038 separator	71717
• Centek 2" muffler - ref.5	71155
• Centek 2" water/gas separator - ref.6	71156
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Comap IL4 remote start panel with 20m cable - ref.2	039607
• Oil water senders kit IS Yanmar	011084
• Cruise Kit 2024	910507



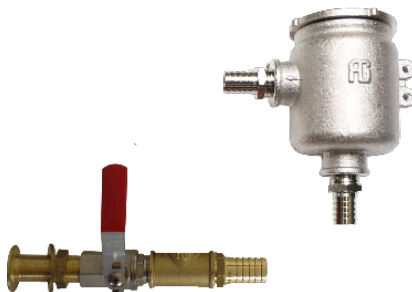
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.3



.4



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