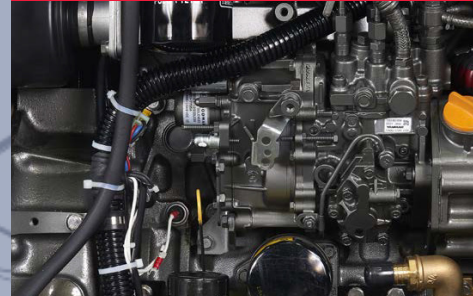


# IS 36 T - IS 37 T



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.



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**mase**  
**GENERATORS**  
*Believing in change.*



**IS 36 T****IS 37 T****mase**  
**GENERATORS**  
*Believing in change.***Output power 36.2 kVA 50 Hz - 37.5 kVA 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 -

52.3 A

45.2 A

Max power -

36.2 kVA

37.5 kVA

Continuous power -

33 kVA

34 kVA

Power Factor -

cos  $\phi$  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

Cylinders -

nr 4

Cylinder block material -

Cast iron

Bore -

98 mm - 3.86 in

Stroke -

110 mm - 4.33 in

Displacement -

3319 cc - 202.54 CID

Power -

47 hp - 34.57 kWm (at 1500 RPM)

56 hp - 41.19 kWm (at 1800 RPM)

RPM -

1500

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 -

10.8 l/h - 2.85 gl/h

13 l/h - 3.43 gl/h

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 -

28 l/min - 7.39 gl/min

Sea water inlet pipe  $\varnothing$  -

25 mm - 1"

Exhaust pipe  $\varnothing$  -

60 mm - 2" 1/2

Input/Output fuel pipe  $\varnothing$  -

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 -

625 Kg - 1378 lb (with soundproof box)

Noise Level -

52 dBA a 7 mt (23 ft)

56 dBA a 7 mt (23 ft)

IS 36 T

IS 37 T

**mase**  
GENERATORS  
Believing in change.

Output power 36.2 kW 50 Hz - 37.5 kW 60 Hz

## Accessory

## Code

### ACCESSORIES ON REQUEST

• Filtering kit: sea water inlet, sea water strainer, taps, fittings D.25 - ref.4	03793
• Siphon break D.25 - ref.3	015849
• Vetus LP60 muffler	71711
• Vetus silencer MP60	71746
• Silencer c.71746 with soundproofing sponge	039865
• Vetus Separator LGS6050	71712
• Centek muffler 2" 1/2 - ref.5	71714
• Centek 2" 1/2 water/gas exhaust separator - ref.6	71713
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Comap IL4 remote start panel with 20-meter cable - ref.2	039607
• Cruise KIT	913809



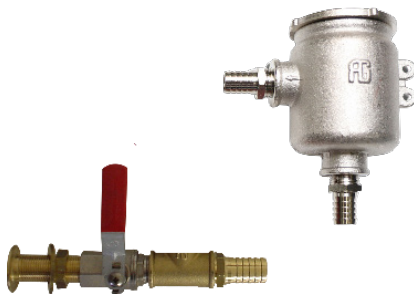
.1



.2



.3



.4



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