

IS 4.05i - IS 4.06i



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.

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



COMPACT DESIGN



EASY INSTALLATION



SUPER SILENCED



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 3.8 kW 50 Hz - 3.6 kW 60 Hz

CONTROL PANEL

_ The CBU module is equipped with a large display and includes multiple functions for the complete monitoring of the generator:

- Manual start
 - Voltage Vac
 - Frequency Hz
 - Engine rpm
 - Hour meter
 - Genset battery voltage
 - Oil low pressure alarm
 - Engine high temperature alarm
 - Alternator high temperature alarm
 - Alarm history
 - Maintenance warnings and 10 meters connection cable
- _ Emergency stop button
- _ Thermal protection

ENGINE

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

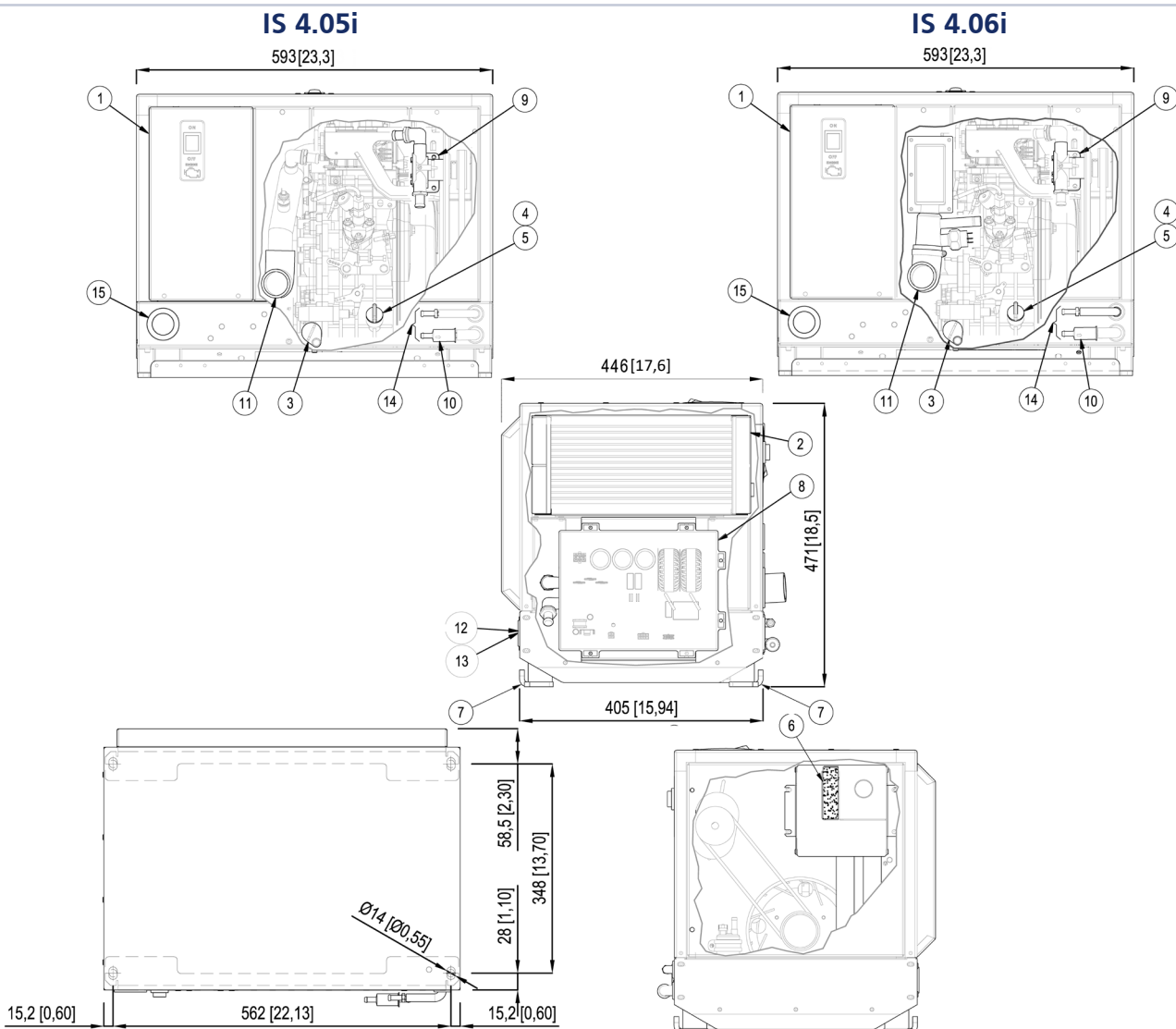
_ Double vibration dumping system

_ 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



- | | | | |
|--------------------------|---------------------------|---|------------------------------------|
| 1. Control panel | 6. Air filter | 11. Exhaust manifold (d.50 mm x IS 4.06i) | 14. Fuel tank connections (d.8 mm) |
| 2. Air / water exchanger | 7. Genset fixing brackets | 12. Sea water intake (d.16 mm) | 15. Cables outlet |
| 3. Oil filter cartridge | 8. Inverter | 13. Battery connections | |
| 4. Oil dipstick | 9. Sea water pump | | |
| 5. Engine oil filler | 10. Fuel filter | | |

IS 4.05i**IS 4.06i****mase**
GENERATORS
*Believing in change.***Output power 3.8 kW 50 Hz - 3.6 kW 60 Hz****50 Hz****60 Hz**  
Tier 4 final

AC alternator -

Permanent magnets (PMG)

Cooling -

Air / Water (Intercooler W / A)

Voltage -

115 to 230 V

115 to 240 V

Frequency -

50 Hz

60 Hz

Amps -

33 to 16.5 A

31.3 to 15 A

Max power -

3.8 kW

3.6 kW

Continuous power -

3.5 kW

3.2 kW

Power Factor -

cos ϕ 1

Insulating class -

H

Voltage stability -

 $\pm 1\%$

Frequency stability -

 $\pm 1\%$ **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 L70W

Type -

Diesel 4 stroke

Cylinders -

nr 1

Cylinder block material -

Aluminium

Bore -

78 mm - 3.07 in

Stroke -

67 mm - 2.64 in

Displacement -

320 cc - 19.53 CID

Power -

6.1 hp - 4.49 kWm (at 3220 RPM)

RPM -

3150

Compression ratio -

20.5:1

Combustion system -

Direct injection

Engine head material -

Aluminium

Speed governor -

Centrifugal mechanical

Lubrication system -

Forced

Oil sump capacity with filter -

1.1 l - 0.31 gl

Engine stop system -

Solenoid valve

Fuel pump -

Electric

Max. fuel pump head -

700 mm - 27.5 in

Fuel consumption -

1.3 l/h - 0.34 gl/h

Air intake -

400 l/min - 14 cfm

Starting battery -

45 Ah - 12 V

Battery charger -

10 Ah - 12 V

Starter motor -

0.8 kW - 12 V

Max. inclination -

25°

Water pump flow -

20 l/min - 5.3 gl/min

Sea water inlet pipe \varnothing -

16 mm - 5/8"

Exhaust pipe \varnothing -

50 mm - 2"

Input/Output fuel pipe \varnothing -

8 mm - 5/16"

Dimensions (L x W x H) -

593 x 446 x 471 mm - 23.3 x 17.6 x 18.5 in (with soundproof box)

Weight -

91 Kg - 201 lb (with soundproof box)

Noise Level -

54 dBA at 7 mt (23 ft)

Output power 3.8 kW 50 Hz - 3.6 kW 60 Hz

Accessory

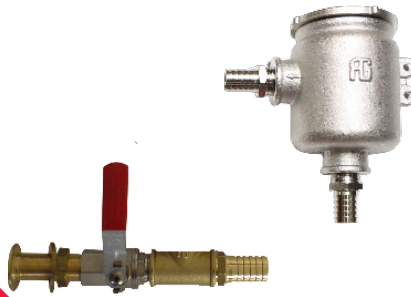
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ACCESSORIES ON REQUEST

• Installation kit D.50: filtering set, exhaust set and siphon break D.16	012276
• Filtering kit: sea water inlet, sea water strainer, taps, fittings D.16 - ref.2	04349
• Mase exhaust kit: sea water lock, silencer, outlet D.50	04658
• Mase super silenced exhaust kit & exhaust gas separator D.50 - ref.3	010078
• Siphon break D.16 - ref.1	04290
• Mase Muffler D.50	70795
• Silencer Mase D.50	71809
• Mase water/gas exhaust separator D.50	04488
• Vetus LP50 muffler	71148
• Vetus silencer MP50	71751
• Silencer Vetus c.71751 with soundproofing sponge	039866
• Vetus Separator LGS5038	71717
• Centek muffler 2"	71155
• Centek 2" water/gas exhaust separator	71156
• Water protection - ref.4	040537
• Soundproofing cabin	039345
• Remote START/STOP 20 meter control kit for CBU (3000 RPM)	041238
• Cruise KIT	913825



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