

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.



COMPACT DESIGN



EASY INSTALLATION



SUPER SILENCED



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



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GENERATORS
Believing in change.

Output power 3.8 kW 50 Hz - 3.5 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

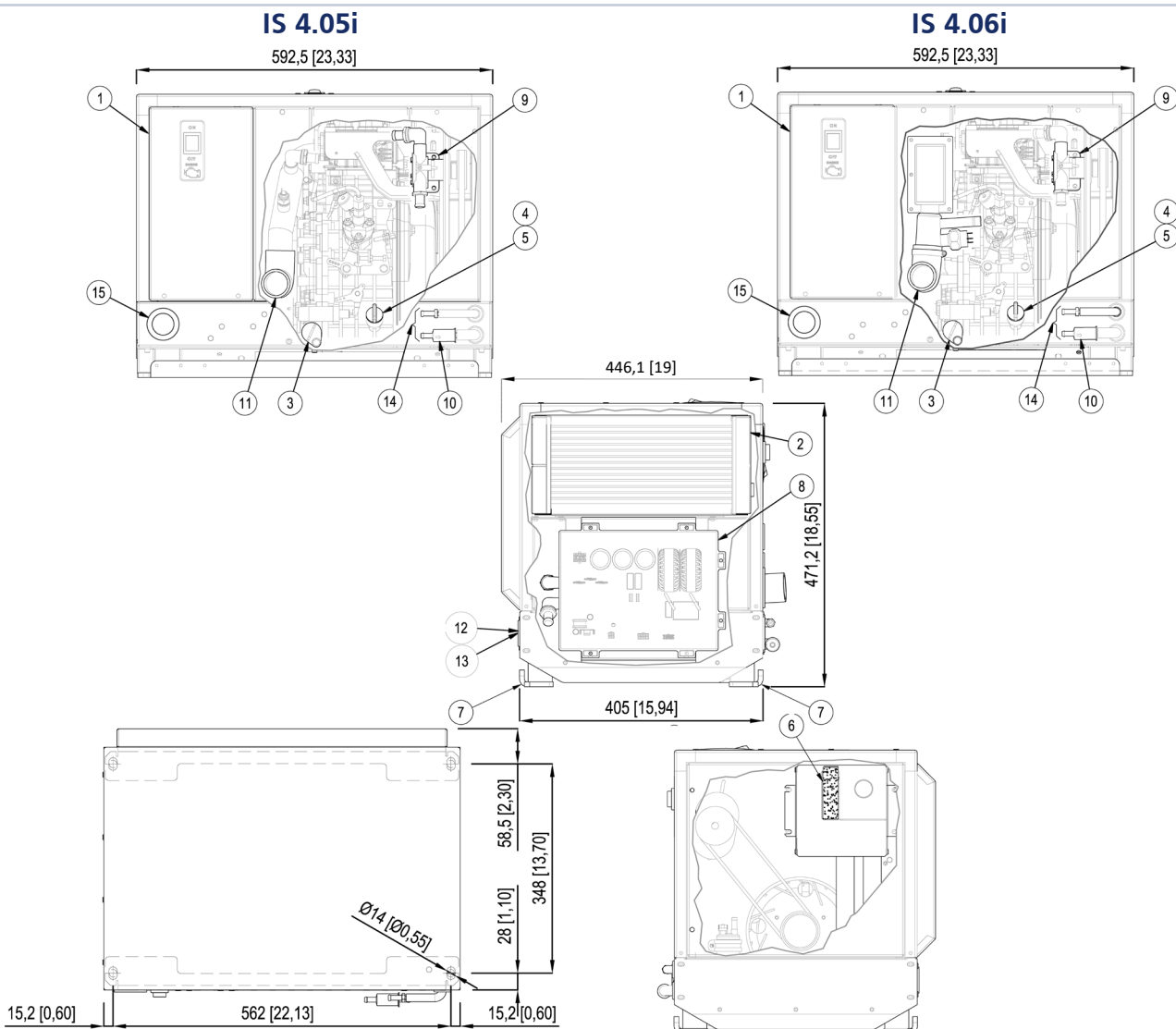
_ Double vibration dumping system

_ 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.45 mm x IS 4.05i - d.50 mm x IS 4.06i) | 13. Battery connections |
| 2. Air / water exchanger | 7. Genset fixing brackets | 12. Sea water intake (d.16 mm) | 14. Fuel tank connections (d.8 mm) |
| 3. Oil filter cartridge | 8. Inverter | | 15. Cables outlet |
| 4. Oil dipstick | 9. Sea water pump | | |
| 5. Engine oil filler | 10. Fuel filter | | |

IS 4.05i

IS 4.06i

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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 -	33.04 to 16.5 A	30.43 to 14.58 A
Max power -	3.8 kW	3.5 kW
Continuous power -	3.5 kW	3.3 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 - 2.63 in	
Displacement -	320 cc - 19.5 CID	
Power -	6.1 hp - 4.54 kWm (at 3220 RPM)	
RPM -	3220	
Compression ratio -	20:1	
Combustion system -	Direct injection	
Engine head material -	Aluminium	
Speed governor -	Centrifugal mechanical	
Lubrication system -	Forced	
Oil sump capacity with filter -	1.1 l - 2.9 gl	
Engine stop system -	Solenoid valve	
Fuel pump -	Electric	
Max. fuel pump head -	700 mm - 2.29 ft	
Fuel consumption -	1.3 l/h - 0.34 gl/h	
Air intake -	400 l/min - 105.66 gl/min	480 l/min - 126.8 gl/min
Starting battery -	45 Ah - 12 V	
Battery charger -	360 W - 12 V	
Starter motor -	0.7 kW - 12 V	
Max. inclination -	30°	
Water pump flow -	20 l/min - 5.3 gl/min	
Sea water inlet pipe \varnothing -	16 mm - 5/8"	
Exhaust pipe \varnothing -	45 mm - 1.78 in	50 mm - 2 in
Input/Output fuel pipe \varnothing -	8 mm - 0.31 in	

Dimensions (L x W x H) - 592.5 x 446.1 x 471.2 mm - 23.3 x 19 x 18.6 in (with soundproof box)

Weight - 96 Kg - 211 lb (with soundproof box)

Noise Level - 54 dBA at 7 mt (23 ft)

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Accessory

Code

ACCESSORIES ON REQUEST

1. Siphon break D.16	04290
2. Filtering kit: sea water inlet, sea water strainer, taps, fittings D.16	04349
3. Mase Super silenced exhaust kit & exhaust gas separator D.50	010078
4. Water protection kit	040537
• Mase D.50 muffler	70795
• Mase exhaust gas separator	04488

