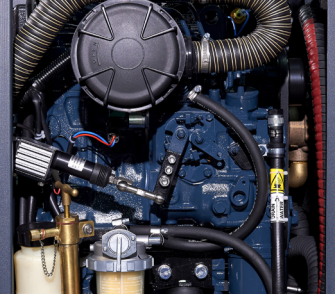


# IS 8.5 K - IS 9.6 K



CONTROL PANEL



KUBOTA 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.



**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 7 kW 50 Hz - 8.8 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

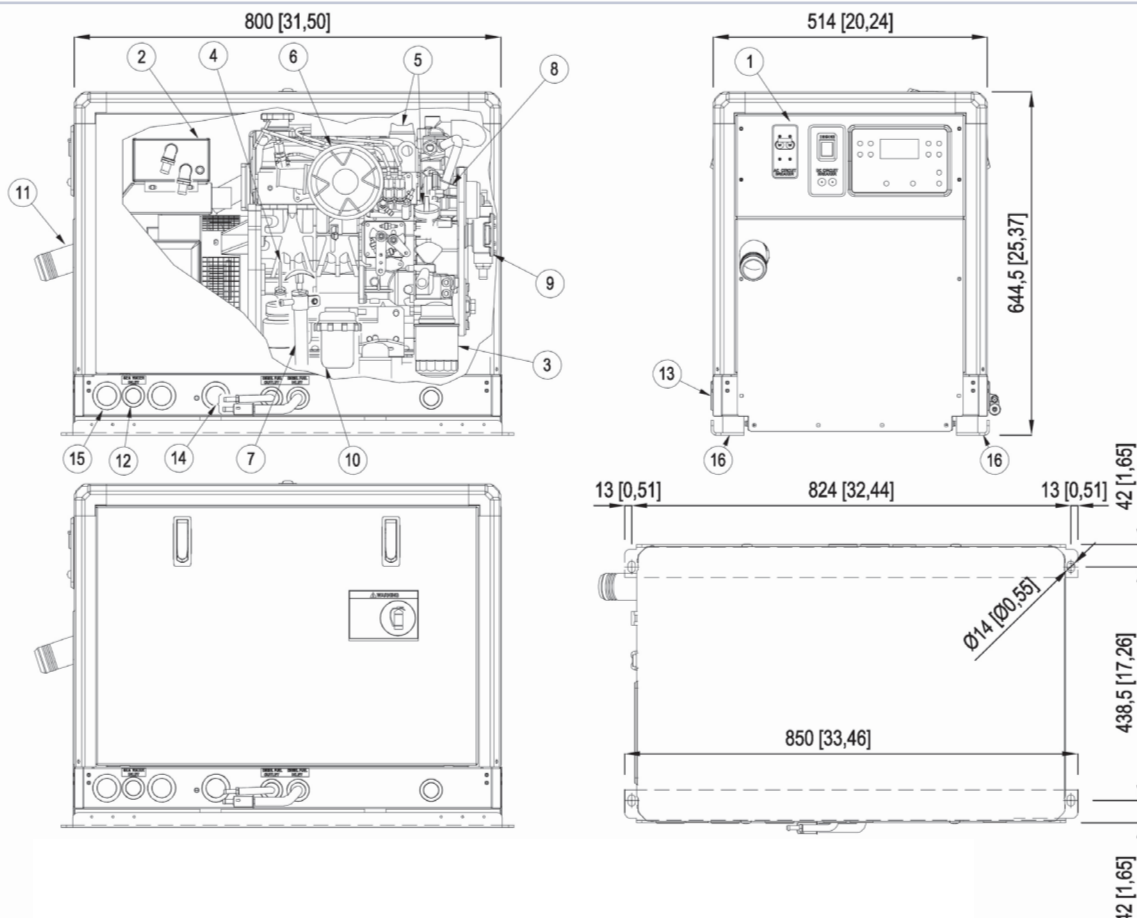
\_ Double vibration dumping system

\_ 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



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

**IS 8.5 K****IS 9.6 K****mase**  
**GENERATORS**  
*Believing in change.***Output power 7 kW 50 Hz - 8.8 kW 60 Hz****50 Hz****60 Hz**  

AC alternator -

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

Cooling -

Air / Water (Intercooler W / A)

Voltage -

115 or 230 V

120 or 240 V

Frequency -

50 Hz

60 Hz

Amps -

60.8 or 30.4 A

73.3 or 36.6 A

Max power -

7 kW

8.8 kW

Continuous power -

6.5 kW

8 kW

Power Factor -

cos  $\phi$  1

Insulating class -

H

Voltage stability -

 $\pm 10\%$ 

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 -

Kubota D1105

Type -

Diesel 4 stroke

Cylinders -

nr 3

Cylinder block material -

Cast iron

Bore -

78 mm - 3.07 in

Stroke -

78.4 mm - 3.09 in

Displacement -

1123 cc - 68.5 CID

Power -

12.7 hp - 9.5 kWm (at 1500 RPM)

15.4 hp - 11.5 kWm (at 1800 RPM)

RPM -

1500

1800

Compression ratio -

23:1

Combustion system -

Indirect injection

Engine head material -

Cast iron

Speed governor -

Mechanical

Lubrication system -

Forced

Oil sump capacity with filter -

4 l - 1.06 gl

Engine stop system -

Solenoid valve

Fuel pump -

Electric

Max. fuel pump head -

700 mm - 27.5 in

Fuel consumption -

2.9 l/h - 0.76 gl/h

3.3 l/h - 0.87 gl/h

Starting battery -

80 Ah - 12 V

Battery charger -

30 Ah - 12 V

Starter motor -

1.2 kW - 12 V

Max. inclination -

30°

Water pump flow -

25 l/min - 6.6 gl/min

Sea water inlet pipe  $\varnothing$  -

15 mm - 1/2"

Exhaust pipe  $\varnothing$  -

50 mm - 2"

Input/Output fuel pipe  $\varnothing$  -

8 mm - 5/16"

Dimensions (L x W x H) -

800 x 514 x 644.5 mm - 31.5 x 20.2 x 25.37 in (with soundproof box)

Weight -

230 Kg - 507 lb (with soundproof box)

Noise Level -

49 dBA at 7 mt (23 ft)

51 dBA at 7 mt (23 ft)

IS 8.5 K

IS 9.6 K

**mase**  
GENERATORS  
Believing in change.

Output power 7 kW 50 Hz - 8.8 kW 60 Hz

## Accessory

## Code

### ACCESSORIES ON REQUEST

1. Remote control panel START/STOP with 20 mt cable for Comap	037561
2. Remote control panel for Comap IL4 with 20mt cable	039607
3. Vetus exhaust kit: sea water lock, silencer, outlet D.50	09935
4. Siphon break D.20	03796
5. Filtering kit: sea water inlet, sea water strainer, taps, fittings D.20	016422
6. Mase super silenced exhaust kit & exhaust gas separator D.50	010078
7. Centek 2" muffler	71155
8. Centek 2" water/exhaust gas separator	71156
9. Water protection kit	040540
• Engine oil pressure and temperature sensor kit (Kubota)	039678
• Mase D.50 muffler	70795
• Vetus LP 50 S muffler	71148



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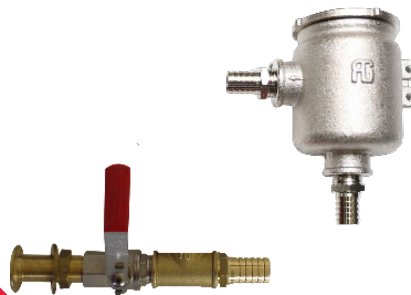
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