# IS 36 T - IS 37 T





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

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

#### INPUT/OUTPUT FUEL PIPE





EASY INSTALLATION

SUPER SILENCED



## IS 36 T

## IS 37 T

**GENERATORS** Believing in change.

## Output power 36.2 kW 50 Hz - 37.5 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
- Oil low pressure alarm
- Engine preheating
- Engine high temperature alarm
- Alternator battery charger failure alarm
- Protection alarm for frequency and rpm
- Alarm history
- Maintenance warnings
- General alarm outlet
- RUN outlet
- Ready outlet
- Programmable AUX outlet
- \_ Emergency stop button
- \_ Magneto-thermal protection

#### ENGINE

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

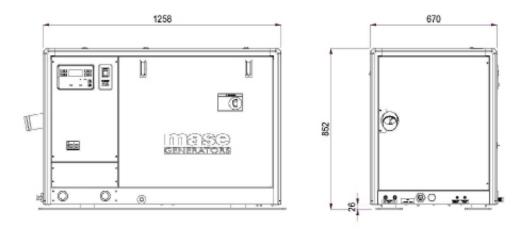
\_ Double vibration dumping system

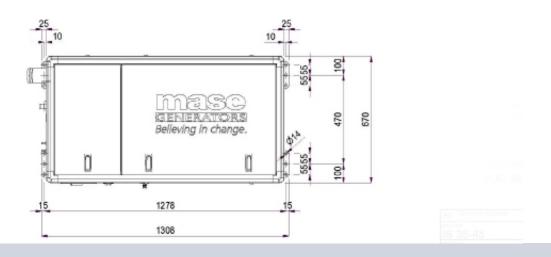
\_ Oil drain pump

#### **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 36 T

IS 37 T



## **C E** Output power 36.2 kVA 50 Hz - 37.5 kVA 60 Hz

	<b>50 Hz</b>	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 ø 0.8	
Insulating class -	Н	
Voltage stability -	±2%	
Frequency stability -	±5%	
The power is referred to a sea v	vater temperature up to 31°, an atmosferi percentage of 30%	c pressure of 100 KPa and a humidity
Model -	Yanmar 4TNV98	
Туре -	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 -		- 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 Ø -	25 mm - 1"	
Exhaust pipe Ø -	60 mm - 2" 1/2	
Input/Output fuel pipe Ø -	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



## **C E** Output power 36.2 kW 50 Hz - 37.5 kW 60 Hz

### Accessory

### Code

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

