

**SUPER
SILENCED**

Soundproof box



Easy installation



Compact

The engine is cooled by a coolant loop in a closed circuit. The system consists of a heat exchanger, inside which the heat exchange between coolant and sea water takes place. Two separate pumps provide for the circulation of coolant and seawater. Air flows ensure effective cooling of the alternator.

The excellent accessibility makes maintenance operations easier, even with the generator installed in confined environments.



Control panel

- _ CBU EVO IL4 device controls and drives the genset. The large display and control pushbuttons allow 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 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



50 Hz

60 Hz

AC alternator -	Synchronous, 4 poles, with AVR	
Cooling	Air	
Voltage	115 - 230 V	120 - 240 V
Frequency	50 Hz	60 Hz
Amps	97.4 - 48.7 A	112.5 - 56.3 A
Max power	11.2 kW	13.5 kW
Continuous power	10.2 kW	12.3 kW
Power Factor	cos ϕ 1	
Insulating class	H	
Voltage stability	$\pm 2\%$	
Frequency stability	$\pm 5\%$	

The power is referred to an atmospheric pressure of 100 kPa, a humidity percentage of 30% and an ambient temperature of 25°C.

Model	Yanmar 3TNV88	
Type	Diesel	
Cylinder block material	nr 3	
Cylinders	Cast iron	
Bore	88 mm - 3.47 in	
Stroke	90 mm - 3.55 in	
Displacement	1642 cc - 100.20 CID	
Power	18.4 hp - 13.53 kWm (at 1500 RPM)	22.2 hp - 16.33 kWm (at 1800 RPM)
RPM	1500	1800
Compression ratio	19:1	
Engine head material	Direct injection	
Combustion system	Cast iron	
Speed governor	Mechanical	
Lubrication system	Forced	
Oil sump capacity with filter	5.80 l - 1.63 gl	6.70 l - 1.89 gl
Engine stop system	Electromagnet	
Fuel pump	Electric	
Max. fuel pump head	700 mm - 27.5 in	
Fuel consumption	4 l/h - 1.06 gl/h	5 l/h - 1.32 gl/h
Air intake	904 l/min - 32 cfm	1300 l/min - 46 cfm
Starting battery	80 Ah - 12 V	
Battery charger	40 Ah - 12 V	
Starter motor	1.2 Ah - 12 V	
Max. inclination	25°	
Water pump flow	25 l/min - 6.6 gl/min	28 l/min - 7.39 gl/min
Sea water inlet pipe \emptyset	20 mm - 3/4"	
Exhaust pipe \emptyset	50 mm - 2"	
Input/Output fuel pipe \emptyset	8 mm - 5/16"	

Dimensions (L x W x H)	1010 x 615 x 725 mm - 39.7 x 24.2 x 28.5 in (with soundproof box)	
Weight	344 kg - 759 lb (with soundproof box)	
Noise Level	52 dBA at 7 mt (23 ft)	54 dBA at 7 mt (23 ft)



Accessory

Code

Accessories on request

• Filtering kit: sea inlet, water filter, valves, fittings D.20 - ref.4	016422
• Exhaust kit: muffler, silencer, exhaust nozzle D.50 MASE	04658
• Exhaust kit and super-silenced separator D.50 MASE	010078
• Siphon break kit D.16 - ref.3	04290
• Muffler D.50 MASE	70795
• Silencer D.50 MASE	71809
• Water/gas separator MASE D.50	04488
• Muffler Vetus LP50	71148
• Silencer Vetus MP50	71751
• Silencer c.71751 with soundproofing sponge	039866
• Separator Vetus LGS5038	71717
• Muffler Centek 2" - ref.5	71155
• Water/gas separator 2" Centek - ref.6	71156
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Comap IL4 remote start panel with 20m cable - ref.2	039607
• Cruise Kit	913903

