



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



50 Hz

60 Hz

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

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

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

Dimensions (L x W x H)

875 x 570 x 664 mm - 34.4 x 22.4 x 26 in

Weight

294 kg - 648 lb



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

