GenSet

GS 7 S - GS 8.1 S



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.

GS 7 S - GS 8.1 S STANDARD EQUIPMENT

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

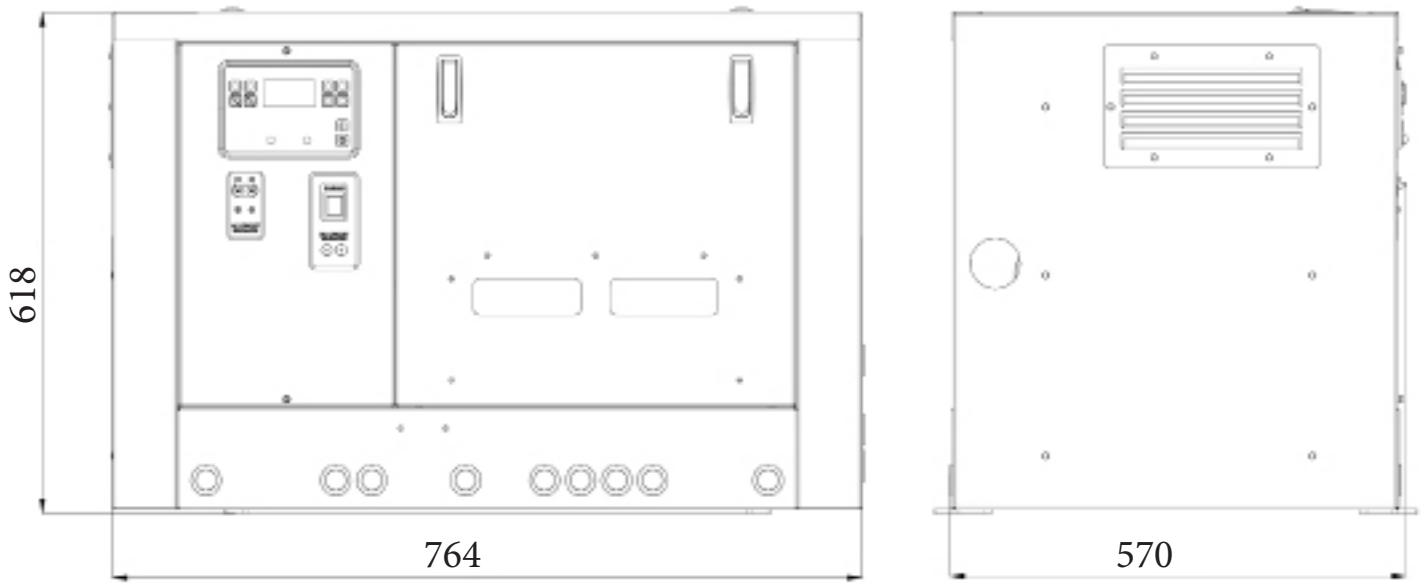
_ Easy maintenance access to the feeding and lubrification systems,
the sea water pump and the air filter

_ Double vibration dumping system

_ Oil drain pump

Soundproof cabin

_Made of extremely light marine aluminum with very high resistance to external agents



1. Control panel
2. Engine oil filter cartridge
3. Oil dipstick
6. Closed circuit water pump
7. Seawater pump
8. Fuel filter
10. Seawater inlet (ø 16mm)
11. Battery connection
12. Fuel tank connection (ø
14. Fixing stirrups

GS 7 S - GS 8.1 S TECHNICAL DATA

	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	64.3 - 32.2 A	73.3 - 36.7 A
Max power	7.4 kW	8.8 kW
Continuous power	6.6 kW	8 kW
Power Factor	cos ø 1	
Insulating class	H	
Voltage stability	±10%	
Frequency stability	±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 3TNV80F	
Type	Diesel	
Cylinder block material	nr 3	
Cylinders	Cast iron	
Bore	80 mm - 3.15 in	
Stroke	84 mm - 3.31 in	
Displacement	1267 cc - 77.32 CID	
Power	12.74 hp - 9.37 kWm (at 1500 RPM)	14.35 hp - 10.56 kWm (at 1800 RPM)
RPM	1500	1800
Compression ratio	23:1	
Engine head material	Direct injection	
Combustion system	Cast iron	
Speed governor	Mechanical	
Lubrication system	Forced	
Oil sump capacity with filter	3 l - 0.85 gl	
Engine stop system	Electromagnet	
Fuel pump	Electric	
Max. fuel pump head	700 mm - 2.3 ft	
Fuel consumption	2.3 l/h - 0.61 gl/h	2.9 l/h - 0.77 gl/h
Air intake	790 l/min - 28 cfm	904 l/min - 32 cfm
Starting battery	65 Ah - 12 V	
Battery charger	40 Ah - 12 V	
Starter motor	1.2 kW - 12 V	
Max. inclination	25°	
Water pump flow	25 l/min - 6.6 gl/min	28 l/min - 7.4 gl/min
Sea water inlet pipe Ø	16 mm - 5/8"	
Exhaust pipe Ø	50 mm - 2"	
Input/Output fuel pipe Ø	8 mm - 5/16"	

Dimensions (L x W x H)	719 x 492 x 596 mm - 28.3 x 19.3 x 23.4 in (with soundproof box)	
Weight	190 kg - 418 lb (with soundproof box)	
Noise Level	51 dBA at 7 mt (23 ft)	53 dBA at 7 mt (23 ft)

	Accessory	Code
Accessories on request	· Complete installation kit D.50: filtration, drain, and antisiphon D.16	012276
	· Filtering kit: sea inlet, water filter, valves, fittings D.16 - ref.4	04349
	· 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
	· Remote start panel Comap IL4 with 20m connection cable - ref.2	039607
	· Cruise Kit	913816



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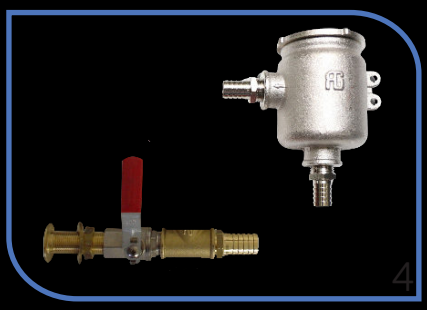
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