MARINER 3900

35 kW 50 Hz

MARINER 4800

42 kW 60 Hz

Engine	50 Hz	60 Hz
Model	Perkins 4.4 GM	
Type	Diesel 4 stroke	
Cylinders (nr.)	4	
Cylinder block material	Cast iron	
Bore (mm - in.)	105 - 4,1	
Stroke (mm - in.)	127 - 5,0	
Displacement (cc - cu.in.)	4400 - 268,5	
Power (hp)	63	66
Rated rpm	1500	1800
Compression ratio	18,23	
Combustion system	Direct	
Engine head material	Cast iron	
Speed governor	Centrifugal mechanical	
Lubrication system	Forced	
Oil sump capacity (L - qt.)	8,5 - 9,0	
Engine stop system	Stop solenoid	
Fuel pump	Mechanical	
Fuel pump discharge (cm - in.)	70 - 27,6	
Full load consumption (L/min - gal/min)	11 - 2,90	13 - 3,43
Starting battery (Ah-V)	80 - 12	
Battery charger (Ah-V)	40 - 12	
Starter (kW-V)	2,3 - 12	
Max. inclination	30°	
Water pump flow (L/min - gal/min)	40 - 10,6	48 - 12,7

Alternator	50 Hz	60 Hz
Type	Synchronous, 4-poles, self-excited	
Setting	Electronics	
Cooling	Air	
Frequency (Hz)	50	60
Voltage (V)	115 - 230	120 - 240
Current (A)	368 - 184	405 - 202,5
Max. power (kW)	42,3	48,6
Continuous power (kW)	38,4	44,2
Power factor (cos ø)	1	
Insulating class	H	
Voltage stability	±2%	
Frequency stability	±5%	

Control Panel

The gen-set control panel was designed to include, in one single panel, the switches, control devices and the protection devices
The components are the following :

- Engine cut-off module for automatic stop of engine in case of high water temperature, low oil pressure, high alternator temperature.
- Hour-meter.
- Start-stop button.
- Breaker for protection against of overload or short circuit.
- Thermal switch for D.C. electric circuit.

Engine

- Easy access in case of maintenance to the feeding system and lubrication, of the sea/water pump and the air filter.
- Safety stop in case of low oil pressure.
- Safety stop in case high water/exhaust gas temperature.
- Oil and fuel filters of easy access.
- Manual pump for oil drain.

Alternator

- Synchronous, 4 poles, brush less self-excited, electronic voltage regulator (AVR).
- Rotor and stator coated with epoxy resin against external agents.
- Rotor dynamically balanced.
- Insulation class H.

Soundproof cabin

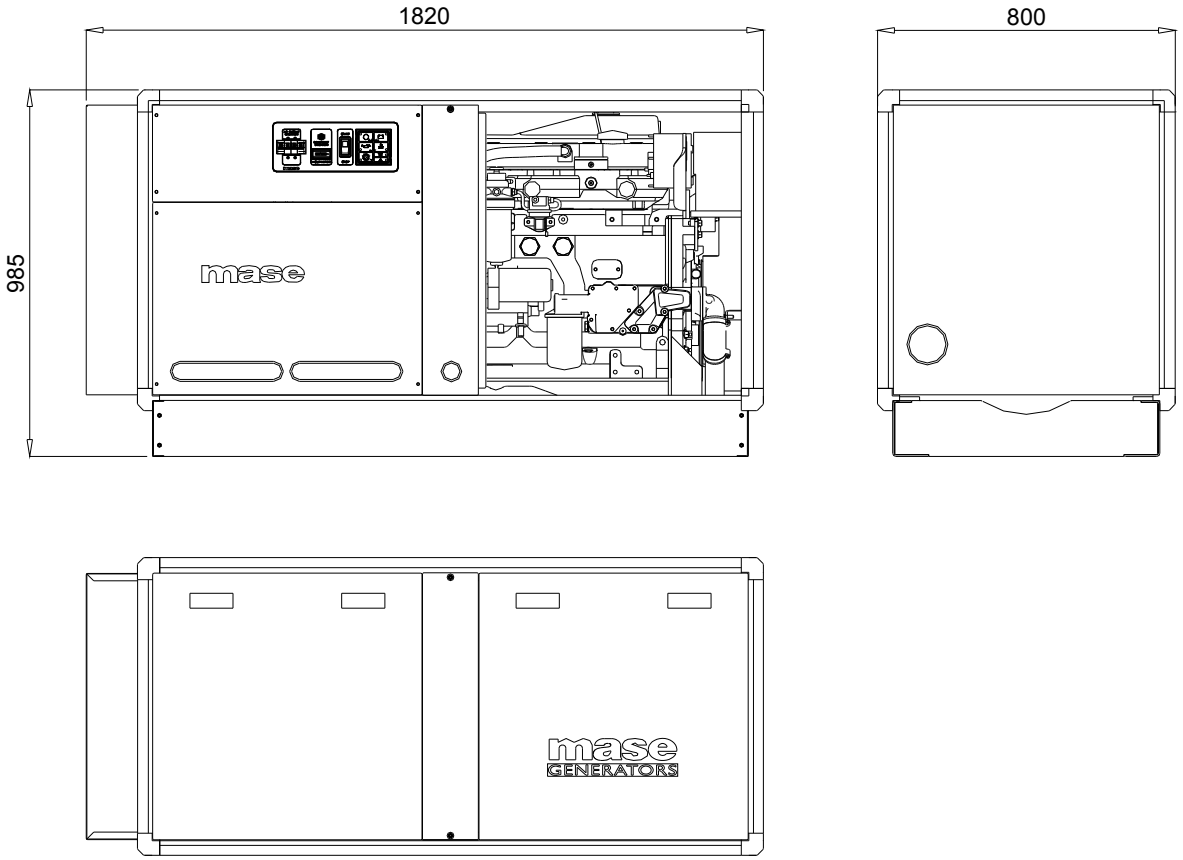
A new project engineering design with a structure of a draw piece of aluminum supporting, painted aluminum panels type 5754 of high resistance to external agents.
Good accessibility inside canopy, makes maintenance services more easy.

Cooling system

The cooling of the engine is based on a closed inner flow of coolant. The system is based on a cupronickel heat exchanger seawater/ coolant type, where the thermal exchange occurs between coolant and seawater. Two separate pumps contribute to the flow of the coolant and the sea water.

3900 50 Hz 4800 60 Hz

	50 Hz	60 Hz	
Dimensions (Leng. x Width x Height)	1820 x 800 x 985 mm		*(with canopy)*
	71,7 x 31,5 x 38,8 in.		
Weight	900 kg , 1980 lb		*(with canopy)*
Noise power level	58 dBA @ 7mt	60 dBA @ 7mt	



FITTINGS

EXHAUST COMPONENTS KIT
SIPHON BREAK
STARTING REMOTE CONTROL PANEL WITH INSTRUMENTS

This drawing is only a reference and is not indicated for the installation. For more information, you may contact your local dealer or ***mase*** *generators S.p.A..*

mase *generators S.p.A. reserves the right to change the design or specifications without notice and without any obligations or liability whatsoever For more information, you may contact your local* ***mase*** *dealer.*

Dealer:

MASE GENERATORS S.p.A. Via Tortona, 345
47522 Cesena (FC) Italy
Tel.+39-0547-354311 Fax.+39-0547-317555
Email : mase@masegenerators.com

Rev.0 F.M. del 16-05-2013