MARINER 160T

160 kVA 50 Hz

Engine	50 Hz
Model	Perkins 6TWGM
Type	Diesel 4 stroke
Cylinders (nr.)	4
Cylinder block material	Cast iron
Bore (mm - in.)	100 - 3,94
Stroke (mm - in.)	127 - 5,00
Displacement (cc - cu.in.)	5990 - 365,5
Power (hp)	185
Rated rpm	1500
Combustion system	Indirect
Engine head material	Cast iron
Speed governor	Centrifugal mechanical
Lubrication system	Forced
Oil sump capacity (L - qt.)	16 - 16,9
Engine stop system	Stop solenoid
Fuel pump	Electric
Fuel pump discharge (cm - in.)	100 - 39,4
Full load consumption (L/h - gal/h)	31,5 - 8,3
Starting battery (Ah-V)	80 - 24
Battery charger (Ah-V)	40 - 24
Starter (V)	2,3 - 24
Max. inclination	30°
Water pump flow (L/min - gal/min)	138 - 36,4

Alternator	50 Hz
Type	Synchronous, 4-poles, self-excited
Cooling	Air
Voltage (V)	400 - 3~
Frequency (Hz)	50
Current (A)	230,9
Max. power (kVA)	160
Continuous power (kVA)	146
Power factor (cos ø)	0,8
Insulating class	H
Voltage regulator	Electronic
Voltage stability	±1%
Frequency stability	±2%

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.

Alternator

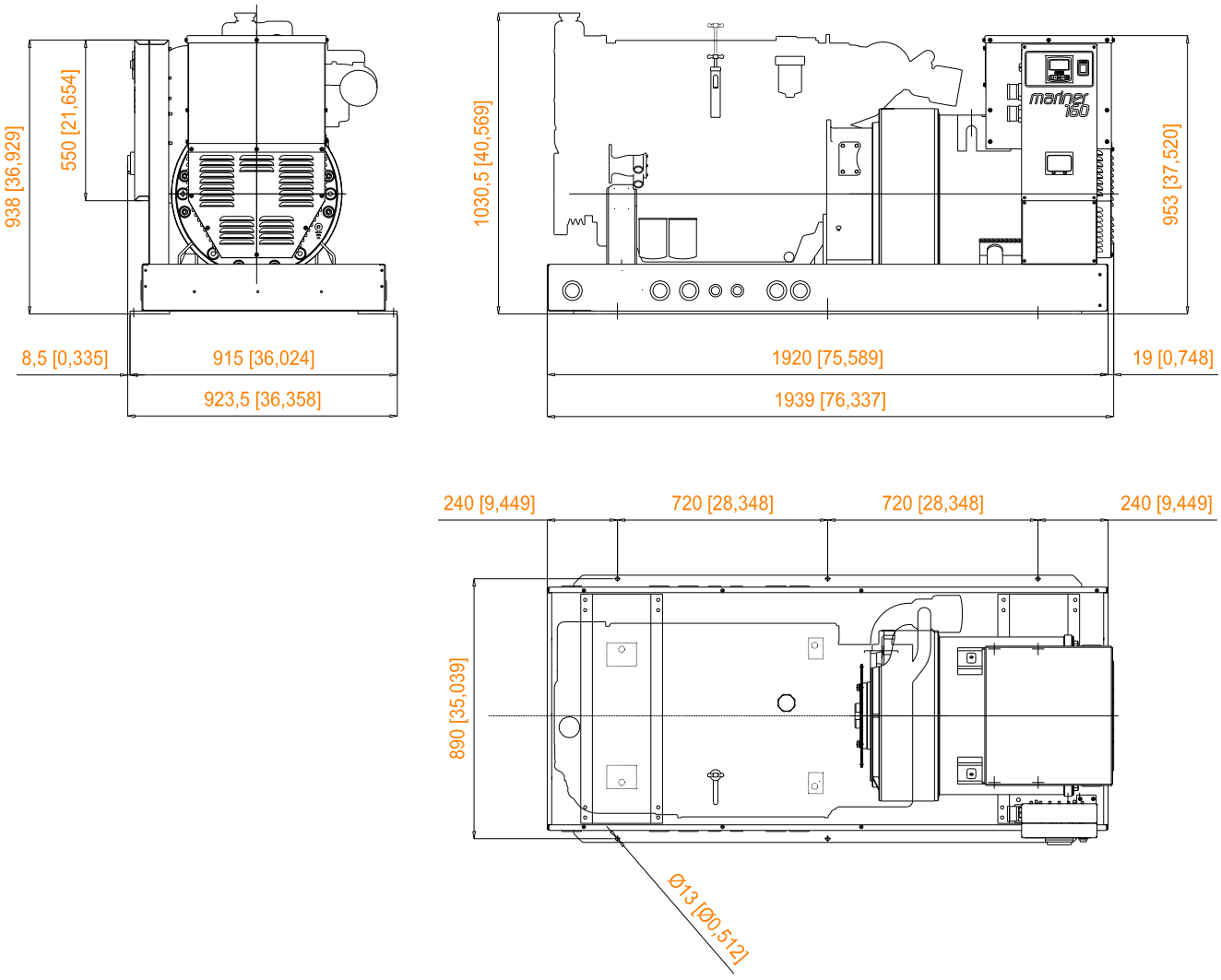
- Synchronous, 4 poles, brush less self-excited, electronic voltage regulator (AVR).
- Rotor and stator coated with epoxy resin against external agents.
- Rotor dynamically balanced.
- Insulation class H.

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.

160 T 50 Hz

	50 Hz
Dimensions (Leng. x Width x Height)	1939 x 923 x 1030 mm
	76,3 x 36,3 x 40,6 in.
Weight	1050 kg , 2310 lb



FITTINGS

EXHAUST COMPONENTS KIT
SIPHON BREAK
WATER-GAS SEPARATOR KIT
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..*

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