

Control Panel on board

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 :

- Electronic device for automatic shutdown of engine in case of high water temperature, low oil pressure, high alternator temperature.
- Hour-meter.
- Start-stop button.
- Circuit breaker for protection against overload or short circuit.
- Thermal switch.

Remote control panel

Remote control panel with 20mt. cable with:

- Start-stop button, engine warning lamp.

Engine

- Easy access for feeding system and lubrication's maintenance
- Safety shutdown in case of low oil pressure.
- Safety shutdown in case of high water temperature.
- Oil and fuel filters of easy access.

Alternator

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

Soundproof cabin

A new project engineering design with a structure of painted steel panels with high resistance to external agents.

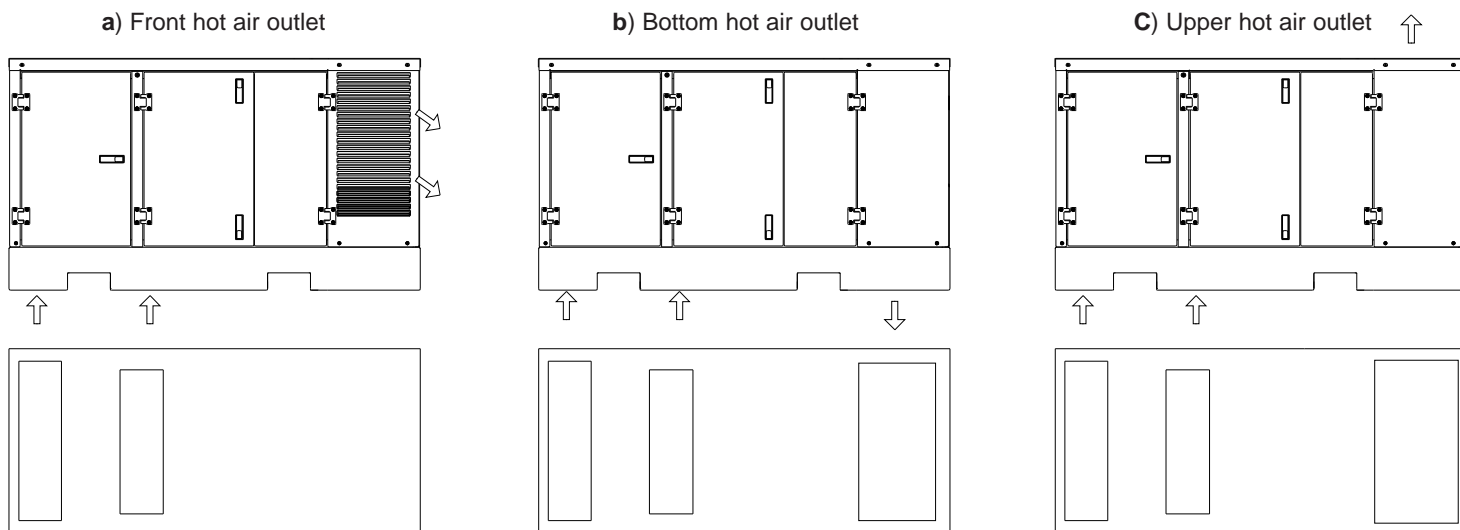
Easy access to the inner cabin in case of maintenance services.

MODEL	14 DM	16,8 DT
ALTERNATOR	Synchronous, Self-excited, Self-regulated, 4-poles	
Type	Single-phase	Three-phase
Max. Power	13,5 (kW)	16,8 (kVA)
Rated Power	12,3 (kW)	15,3 (kVA)
Power Factor (cos ϕ)	1	0,8
Voltage (V)	120 - 240	120 - 240
Frequency (Hz)	60	
Protection Level	IP 23	

ENGINE	
Type	4-Stroke
Model	Yanmar 3TNV88
Cooling	Water
Cylinders	3
Fuel	Diesel
Power (kW - hp)	16,3 / 22,2
Displacement (cm ³)	1642
Air intake	Natural
RPM	1800
Oil sump capacity	6,7 lt.
Consumption (full load) (L/h)	4,2
Starter	Electric

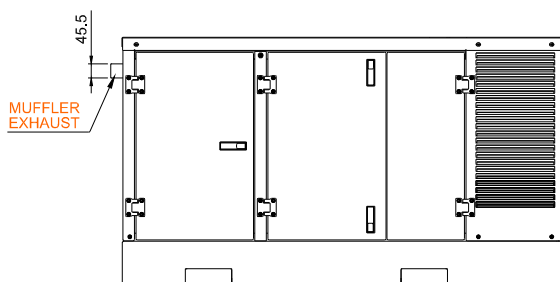
Dimension (L x W x H) (mm)	1440 x 650 x 810
Weight (Kg)	500
Noise level	62 dB _A @ 7mt

N°3 options for hot air outlet



Exhaust gas from lateral side (standard)

Different exhaust solution on request



*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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Dealer: