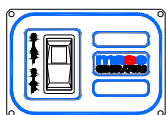


## Control Panel on board

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. of cable with: Start-stop button, engine running 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	16 DM	20 DT
<b>ALTERNATOR</b>	Synchronous, Self-excited, Self-regulated, 4-poles	
Type	Single-phase	Three-phase
Max. Power	15,3 kW	19,1 kVA
Rated Power	13,9 kW	17,4 kVA
Power Factor ( cos $\phi$ )	1	0,8
Voltage	230 V	400 V
Frequency	50 Hz	
Protection Level	IP 23	

<b>ENGINE</b>	
Type	4-Stroke
Model	Yanmar 4TNV88
Cooling	Water
Cylinders	4
Fuel	Diesel
Power	18 kW / 24,1 hp
Displacement	2190 cm <sup>3</sup>
Air intake	Natural
RPM	1500
Oil sump capacity	7,4 lt.
Consumption (full load)	5 L/h
Starter	Electric
Dimension (L x W x H) mm	1570 x 650 x 810
Weight	550 Kg.
Noise level	62 dB <sub>A</sub> a 7mt