



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 warnig 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
ALTERNATOR	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 ϕ)	1	0,8
Voltage	230 V	400 V
Frequency	50 Hz	
Protection Level	IP 23	

ENGINE	
Type	4-Stroke
Model	Yanmar 4TNV88
Cooling	Water
Cylinders	4
Fuel	Diesel
Power	16,4 kW / 22 hp
Displacement	2190 cm ³
Air intake	Natural
RPM	1500
Oil sump capacity	4,8 lt.
Consumption	165 (g/hp/h)
Starter	Electric

Dimension (L x W x H) mm	1570 x 650 x 810
Weight	550 Kg.
Noise level	62 dB _A a 7mt