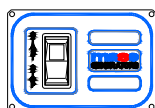


Control Panel on board

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 engine shutdown in case of high water temperature, low oil pressure, high alternator temperature.
- Hourmeter.
- 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 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 gas temperature.
- Oil and fuel filters of easy access.
- Water cooled engine

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 | 12 DM | 15 DT |
|---------------------|--|-------------|
| ALTERNATOR | Synchronous, Self-excited, Self-regulated, 4 poles | |
| Type | Single-phase | Three-phase |
| Max. Power | 11,2 kW | 14,0 kVA |
| Continuos Power | 10,2 kW | 12,7 kVA |
| Power Factor (Cosφ) | 1 | 0,8 |
| Voltage | 230 V | 400 V |
| Frequency | 50 Hz | |
| Protection Level | IP 23 | |

| ENGINE | |
|-------------------|-------------------|
| Type | 4 - Stroke |
| Model | YANMAR 3TNV88 |
| Cooling | Water |
| Cilinders | 3 |
| Fuel | Diesel |
| Power | 12,3 KW / 16,5 HP |
| Displacement | 1642 cm3 |
| 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 | 1440 x 650 x 810 |
| Weight | 485 Kg. |
| Noise level | 62 dB _A a 7mt |