

# P6000 230V 50HZ #CONN #DPP

## THE SILENT POWER



Low noise level, it is the ideal generator for use in residential areas or outside normal working hours. It's equipped with a reliable Diesel engine, first class components and complete instrumentation.

### Main Features

|                      |            |     |
|----------------------|------------|-----|
| Frequency            | Hz         | 50  |
| Voltage              | V          | 230 |
| Power factor         | cos $\phi$ | 0.9 |
| Phase and connection |            | 1   |

### Power Rating

|                      |     |     |
|----------------------|-----|-----|
| Standby power LTP    | kVA | 5.9 |
| Standby power LTP    | kW  | 5.3 |
| Continuous power COP | kVA | 4.8 |
| Continuous power COP | kW  | 4.3 |

#### Ratings definition (According to standard ISO8528 1:2005)

**COP** - Continuous Power: It is defined as being the maximum power which a generating set is capable of delivering continuously for an unlimited number of hours, with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.

**LTP** - Limited-Time running Power: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

### Engine specifications

|                         |                 |                |
|-------------------------|-----------------|----------------|
| Engine manufacturer     |                 | Yanmar         |
| Model                   |                 | L100N Electric |
| Engine cooling system   |                 | Air            |
| Displacement            | cm <sup>3</sup> | 435            |
| Aspiration              |                 | Natural        |
| Operating Speed-Nominal | rpm             | 3000           |
| Speed governor          |                 | Mechanical     |
| Fuel                    |                 | Diesel         |
| Oil capacity            | l               | 1.6            |
| Starting system         |                 | Electric       |



### Alternator Specifications

|                           |                   |           |
|---------------------------|-------------------|-----------|
| Type                      |                   | Brushes   |
| Class                     |                   | H         |
| IP protection             |                   | 23        |
| Poles                     |                   | 2         |
| Frequency                 | Hz                | 50        |
| Voltage tolerance         | % +5; -10 (cosφ1) |           |
| Voltage regulation system |                   | Capacitor |

### Dimensional data

|                    |        |     |
|--------------------|--------|-----|
| Length             | (L) mm | 990 |
| Width              | (W) mm | 602 |
| Height             | (H) mm | 826 |
| Dry weight         | Kg     | 186 |
| Fuel tank capacity | l      | 24  |

### Autonomy

|                             |     |       |
|-----------------------------|-----|-------|
| Fuel consumption @ 75% PRP  | l/h | 1.45  |
| Fuel consumption @ 100% PRP | l/h | 1.94  |
| Running time @ 75% PRP      | h   | 16.55 |
| Running time @ 100% PRP     | h   | 12.37 |

### Noise level

|                              |       |    |
|------------------------------|-------|----|
| Guaranteed noise level (LWA) | dB(A) | 93 |
| Noise pressure level @ 7 mt  | dB(A) | 65 |

## GENSET CONTROL PANELS (CONN DPP)

Mounted on the genset and complete of: instrumentation, control, protection of the generating set and sockets.



### COMMANDS

- Start selector switch with key: OFF - ON - START
- **CONN**ector for AMF/RSS (Accessory available)

### INSTRUMENTATION (DGT)

- Voltmeter
- Hours-counter
- Frequency meter

### PROTECTIONS

- Circuit breaker
- Differential protection (**DPP**)
- Oil Guard

### SOCKET TYPE

|                        |   |
|------------------------|---|
| SCHUKO 230V 16A IP54   | 1 |
| 2P+T CEE 230V 16A IP44 | 1 |
| 2P+T CEE 230V 32A IP44 | 1 |

## ACCESSORIES CONTROL PANEL

### **AMF - AUTOMATIC CONTROL PANEL (CONN)**

This accessory permits to control all the functions about a generator. It's built to monitor mono phase or three phase with neutral systems in alternate current; it permits to transfer the user's load on generator when the mains voltage is faulty. Conversely, as soon as AMF system detects the power grid, it stops the generator.

#### **Equipment:**

- Control and protection unit (DGT)
- Phase detector
- Contactor with interblock
- Battery charged
- Acoustic alarm
- 8 meters control wiring (with CONNector)
- External start stop capability
- Emergency stop button

#### **Instrumentation (DGT):**

- Mains voltage
- Genset voltage
- Frequency meter
- Hour meter

#### **Alarm & Shutdowns:**

- Generators voltage out of limits
- Battery Voltage out of limits
- Low oil Pressure
- Fail to start
- External shutdown



### **RSS - REMOTE START / STOP (CONN)**

RSS Remote start/stop wireless with CONNector (max Distance 90m)



## ACCESSORIES

### TRANSPORTATION KIT

with folding handles



### MTS- MANUAL TRANSFER SWITCH

Manual transfer switch 40A (for manual control versions 230V)

