

P6000 230V 50HZ #AVR #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 ϕ | 0.9 |
| Phase | | 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 ³ | 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 | % | 2 |
| Voltage regulation system | | Electronic |
| Standard AVR | | AVR 520 |

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 | 1.46 |
| Fuel consumption @ 100% PRP | l/h | 1.94 |
| Running time @ 75% PRP | h | 16.44 |
| Running time @ 100% PRP | h | 12.37 |

Noise level

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

