

P6000 230V 50HZ #AVR #IPP

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

Emergency Standby Power ESP	kVA	5.9
Emergency Standby Power ESP	kW	5.3
Continuous power COP	kVA	4.8
Continuous power COP	kW	4.3

Ratings definition (ISO-8528)

ESP - Emergency Standby Power:

It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

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 procedure being carried out as prescribed by the manufacturers.

Engine specifications

Engine Brand		Yanmar
Model		L100V Electric
[50Hz] Exhaust emission level		Stage V
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 at 75% of Load	l/h	1.53
Fuel consumption at 100% of Load	l/h	2.04
Running time at 75% of load	h	15.69
Running time at 100% of load	h	11.76

Noise level

Guaranteed noise level (LWA)	dB(A)	93
Noise pressure level @ 7 m	dB(A)	65



GENSET CONTROL PANELS (IPP)

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

INSTRUMENTATION (DGT)

- Voltmeter
- Hours-counter
- Frequency meter

PROTECTIONS

- Magneto Thermal protection
- Isometer protection (**IPP**)
- Low oil Pressure

SOCKET TYPE

2P+T CEE 115V 16A IP44	2
2P+T CEE 115V 32A IP44	1
2P+T CEE 230V 16A IP44	1
2P+T CEE 230V 32A IP44	1

ACCESSORIES

TRANSPORTATION KIT

with folding handles



MTS- MANUAL TRANSFER SWITCH

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

