

GMP-6000P1 [1P - 50Hz - 230V]



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	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 monitor mono phase or three phase with neutral systems in alternate current; 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)

