ES5000 230V 50Hz #AVR

LONG RUN ENERGY



A petrol generator designed specifically for intensive operations where performance power is demanded by professional user, over an extended period of time.

Main Features		
Frequency	Hz	50
Voltage	V	230
Power factor	cos ϕ	0.9
Phase		1

Power Rating		
Emergency Standby Power ESP	kVA	5.1
Emergency Standby Power ESP	kW	4.6
Continuous power COP	kVA	4.2
Continuous power COP	kW	3.9

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 - Continuos 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.

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Engine specifications		
Engine Brand		Honda
Model		GX270 Recoil
Engine cooling system		Air
Displacement	cm^3	270
Aspiration		Natural
Operating Speed-Nominal	rpm	3000
Speed governor		Mechanical
Fuel		Petrol
Oil capacity	l	1.1
Starting system		Recoil



Alternator Specifications		
Alternator		NSM
Type		Brushes
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage	V	230
Voltage regulation system		Electronic
Standard AVR		AVR 525
Voltage tolerance	%	2

Dimensional data		
Length	(L) mm	729
Width	(W) mm	500
Height	(H) mm	536
Dry weight	kg	61
Fuel tank capacity	l	11

Autonomy		
Fuel consumption at 75% of Load	l/h	1.66
Fuel consumption at 100% of Load	l/h	2.22
Running time at 75% of load	h	6.63
Running time at 100% of load	h	4.95

Noise level		
Guaranteed noise level (LWA)	dB(A)	97
Noise pressure level @ 7 m	dB(A)	69

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GENSET CONTROL



COMMANDS:

- Selector switch: OFF - ON
- Starting systems: Recoil
- Fuel Cock

PROTECTIONS STANDARD:

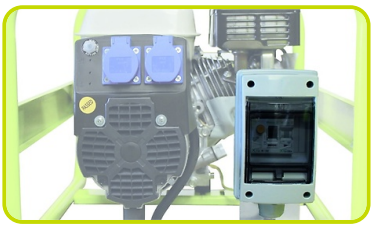
- Thermal protection
- Oil Guard

SOCKET TYPE

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

SUPPLEMENTS CONTROL (Available when ordered)

Electrical box DPP + HM



Extra Protection with:
- Differential protection 30mA
- Circuit breaker
- Hourmeter

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ACCESSORIES

TRANSPORTATION KIT

- With fix handles



- With folding handles



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The information is aligned with the Data file at the time of download.
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