ES5000 400V 50HZ

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	400/230
Power factor	cos ϕ	0.8
Phase		3

Power Rating		
Emergency Standby Power ESP	kVA	6.3
Emergency Standby Power ESP	kW	5.0
Continuous power COP	kVA	5.4
Continuous power COP	kW	4.3

Single Phase Power Rating		
Single phase Maximum Power	kVA	3.8
Single phase continuous power COP	kVA	3.5

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	cm³	270
Aspiration		Natural
Operating Speed-Nominal	rpm	3000
Speed governor		Mechanical
Fuel		Petrol
Oil capacity	l	1.1
Starting system		Recoil

Alternator Specifications		
Type		Brushes
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage tolerance	%	6
Voltage regulation system		Compound

Dimensional data		
Length	(L) mm	729
Width	(W) mm	500
Height	(H) mm	536
Dry weight	Kg	75
Fuel tank capacity	l	11

Autonomy		
Fuel consumption @ 75% PRP	l/h	1.66
Fuel consumption @ 100% PRP	l/h	2.22
Running time 75% PRP	h	6.63
Running time 100% PRP	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
3P+N+T CEE 400V 16A IP44	1

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ACCESSORIES

TRANSPORTATION KIT

- With fix handles

- With folding handles

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