ES3000 230V 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	230
Power factor	cos ϕ	0.9
Phase		1

Power Rating		
Emergency Standby Power ESP	kVA	2.9
Emergency Standby Power ESP	kW	2.6
Continuous power COP	kVA	2.5
Continuous power COP	kW	2.2

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		GX160
Engine cooling system		Air
Displacement	cm^3	163
Aspiration		Natural
Operating Speed-Nominal	rpm	3000
Speed governor		Mechanical
Fuel		Petrol
Oil capacity	l	0.6
Starting system		Recoil

Alternator Specifications		
Type		Brushless
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage tolerance	%	+5; -10 (cosϕ1)
Voltage regulation system		Capacitor

Dimensional data		
Length	(L) mm	623
Width	(W) mm	409
Height	(H) mm	500
Dry weight	Kg	41
Fuel tank capacity	l	11

Autonomy		
Fuel consumption @ 75% PRP	l/h	0.88
Fuel consumption @ 100% PRP	l/h	1.17
Running time 75% PRP	h	12.50
Running time 100% PRP	h	9.40

Noise level		
Guaranteed noise level (LWA)	dB(A)	96
Noise pressure level @ 7 m	dB(A)	68

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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	2

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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