

ES5000 230V 50Hz #AVR #DPP #HAU

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 - 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	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



GENSET CONTROL

COMMANDS:

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

PROTECTIONS STANDARD:

- Thermal protection
- Oil Guard

DIFFERENTIAL PROTECTION (DPP):

- Differential protection 30mA
- Circuit breaker
- Hourmeter

MEN LINK

SOCKET TYPE

AS/NZS 3112 15A 250V	2
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ACCESSORIES

TRANSPORTATION KIT

- With fix handles



- With folding handles

