ES5000 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	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)
MAX - Maximum Power:
It is defined as the power given by multiplying the current and voltage that the generating set is capable of delivering for at least 5 min. Prescribed output voltage shall be within ±10 % of the rated voltage and prescribed output frequency shall be within ±8 % of the rated frequency.
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		Brushless
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage	V	230
Voltage regulation system		Capacitor
Voltage tolerance	%	+5, - 10 (cosϕ1)

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	1.67
Fuel consumption at 100% of Load	l/h	2.22
Running time at 75% of load	h	6.59
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:

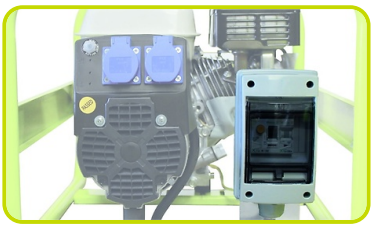
- Thermal protection
- Oil Guard

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

ACCESSORIES

TRANSPORTATION KIT



- With fix handles



- With folding handles

MAIN APPLICATIONS

PROFESSIONAL APPLICATION AND INTENSIVE WORK



Designed for professional applications, this generator delivers reliable power for construction sites, workshops, agricultural operations, and field services, ensuring productivity wherever grid power is unavailable.

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