

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	$\cos \phi$	0.9
Phase and connection		1

Power Rating

Standby power LTP	kVA	5.1
Standby power LTP	kW	4.6
Continuous power COP	kVA	4.2
Continuous power COP	kW	3.9

Ratings definition (According to standard ISO8528 1:2005)

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 procedures being carried out as prescribed by the manufacturers.

LTP - Limited-Time running Power: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

Engine specifications

Engine manufacturer	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

Type	Brushless	
Class	H	
Voltage regulation system	Capacitor	
IP protection	23	
Poles	2	
Frequency	Hz	50
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

Running time @ 75% PRP	h	6.59
Running time @ 100% PRP	h	4.95

Noise level

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

GENSET CONTROL

COMMANDS:

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

PROTECTIONS STANDARD:

- Thermal protection

SOCKET TYPE

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

SUPPLEMENTS CONTROL (Available when ordered)

ASCODIF

Extra Protection with:

- differential protection 30mA
- circuit breaker – hourmeter

ACCESSORIES

TRANSPORTATION KIT

- With fix handles
- With folding handles

LIGHT TOWER

for portable generators (with tubular frames)

- Maximum Height 4.2m
- Elevations Pneumatic
- Quick open/close systems for legs
- Mast support and four lifting
- Lamp available Watt/Type:
 - n.4 X 500W Halogen (required power from generator: 2.5kVA 230V Single Phase)
 - n.4 X 1000W Halogen (required power from generator: 5,0kVA 230V Single Phase)

MTS- MANUAL TRANSFER SWITCH

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