

## 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 <sup>3</sup>	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

Fuel consumption @ 75% PRP	l/h	1.67
Fuel consumption @ 100% PRP	l/h	2.22
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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