

## ES4000 230V 50HZ #AVR

### 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	3.4
Standby power LTP	kW	3.1
Continuous power COP	kVA	2.9
Continuous power COP	kW	2.6

#### 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		GX200
Engine cooling system		Air
Displacement	cm <sup>3</sup>	196
Aspiration		Natural
Operating Speed-Nominal	rpm	3000
Speed governor		Mechanical
Fuel		Petrol
Oil capacity	l	0.6
Starting system		Recoil



### Alternator Specifications

Type		Brushes
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage tolerance	%	2
Voltage regulation system		Electronic
Standard AVR		AVR 520

### Dimensional data

Length	(L) mm	623
Width	(W) mm	409
Height	(H) mm	500
Dry weight	Kg	43
Fuel tank capacity	l	11

### Autonomy

Fuel consumption @ 75% PRP	l/h	1.18
Fuel consumption @ 100% PRP	l/h	1.57
Running time @ 75% PRP	h	9.32
Running time @ 100% PRP	h	7.01

### Noise level

Guaranteed noise level (LWA)	dB(A)	95
Noise pressure level @ 7 mt	dB(A)	67

## GENSET CONTROL

### COMMANDS:

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

### PROTECTIONS STANDARD:

- Thermal protection
- Oil Guard

### SOCKET TYPE

SCHUKO 230V 16A IP54

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## SUPPLEMENTS CONTROL (Available when ordered)

### ASCOFDIFF

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

- Manual transfer switch 40A (for manual control versions 230V)



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