

# **ENERGY GENERATION**

## P12000 230-115V HUK #AVR

### THE SILENT POWER



Low noise level, it is the ideal generator for use in residential areas or outside normal working hours. It's equipped with a reliable gasoline engine, first class components and complete instrumentation.

Main Features		
Frequency	Hz	50
Voltage	V	230
Power factor	cos φ	0.9
Phase and connection		1

Power Rating		
Standby power LTP	kVA	11.9
Standby power LTP	kW	10.7
Continuous power COP	kVA	10.0
Continuous power COP	kW	9.1

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

**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		GX630
Engine cooling system		Air
Displacement	ст³	688
Aspiration		Natural
Operating Speed-Nominal	rpm	3000
Speed governor		Mechanical
Fuel		Petrol
Oil capacity	I	1.9
Starting system		Electric



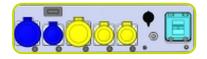
Alternator Specifications		
Class		Н
Voltage regulation system		AVR
IP protection		23
Poles		2
Frequency	Hz	50
Standard AVR		ASR

Dimensional data		
Length	(L) mm	990
Width	(W) mm	602
Height	(H) mm	826
Dry weight	Kg	188
Fuel tank capacity	I	24

Autonomy		
Fuel consumption @ 75% PRP	l/h	4.07
Fuel consumption @ 100% PRP	l/h	5.43
Running time @ 75% PRP	h	5.90
Running time @ 100% PRP	h	4.42

Noise level		
Guaranteed noise level (LWA)	dB(A)	89
Noise pressure level @ 7 mt	dB(A)	61

#### **GENSET CONTROL PANELS (HUK)**



Mounted on the genset and complete of: instrumentation, control, protection of the generating set and sockets.

#### COMMANDS

- Start selector switch with key: OFF ON START
- Voltage switch 230/115V

#### **INSTRUMENTATION** (DGT)

- Voltmeter
- Frequency meterHour meter

#### PROTECTIONS

- Circuit breaker
- Cover protection circuit breaker IP55

### SOCKET TYPE

2P+T CEE 115V 16A IP44	2
2P+T CEE 115V 32A IP44	1
2P+T CEE 230V 16A IP44	1
2P+T CEE 230V 32A IP44	1

#### ACCESSORIES CONTROL PANEL

#### AMF - AUTOMATIC CONTROL PANEL (CONN)

This accessory permits to control all the functions about a generator. It's built to monitor mono phase or three phase with neutral systems in alternate current; it permits to transfer the user's load on generator when the mains voltage is faulty. Conversely, as soon as AMF system detects the power grid, it stops the generator.

#### Equipment:

- Control and protection unit (DGT)
- Phase detector
- Contactor with interblock
- Battery charged
- Acustic alarm
- 8 meters control wiring (with CONNector)
- External start stop capability
- Emergency stop button

#### Instrumentation (DGT):

- Mains voltage
- Genset voltage
- Frequency meter
- Hour meter

#### Alarm & Shutdowns:

- Generators voltage out of limits
- Battery Voltage out of limits
- Low oil Pressure
- Fail to start
- External shutdown

#### **RSS - REMOTE START / STOP (CONN)**

RSS Remote start/stop wireless with CONNector (max Distance 90m)





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