S5000 230V50Hz #AVR #CONN #DPP

THE COMPLETE PETROL PACKAGE

A robust generator with all the features of a top class product: a powerful and economic engine, a strong and modern design and a long-run easy filling fuel tank. Perfect for intensive use, it's equipped with a control panel which allows to integrate many accessories and options for better comfort and for optimal command. Ready to move where power is needed, and configured with a strong and compact frame with integrated handle and wheels, that allow to transport it easily.

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

Power Rating		
Emergency Standby Power ESP	kVA	5.3
Emergency Standby Power ESP	kW	4.8
Continuous power COP	kVA	4.2
Continuous power COP	kW	3.9

Ratings definition (ISO-8528)
ESP - Emergency Standby Power:
It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.
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 Electric
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		Electric

Alternator Specifications		
Alternator		NSM
Type		Brushes
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage	V	230
Voltage regulation system		Electronic
Standard AVR		AVR 525
Voltage tolerance	%	2

Dimensional data		
Length	(L) mm	840
Width	(W) mm	615
Height	(H) mm	753
Dry weight	kg	89
Fuel tank capacity	l	27

Autonomy		
Fuel consumption at 75% of Load	l/h	1.66
Fuel consumption at 100% of Load	l/h	2.22
Running time at 75% of load	h	16.27
Running time at 100% of load	h	12.16

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

Genset equipment

Innovative, compact design, equipped with components and special parts to meet professional applications:

Basic Structure:
- Tubular steel bearing and protective frame (roll bar)
- Lateral protective sheet steel covers (removable and with appropriate openings for an easier ordinary maintenance).

Fuel Tank:
- Increased tank capacity (standard autonomy much higher than average)
- Fuel level indicator (analog)
- Bayonet Fuel Filler Cap
- Pre-filter fuelling cup-shape
- Fuel tap (located on the frontal control panel)
- In-line fuel filter

Engine:
- Anti vibration properly sized mounts
- Starter battery incorporated in the structure
- Exhaust Residential muffler with spark arrestor protection
- Low oil level protection (oil guard)

Transportation:
- Integrated transport kit consisting of two solid rubber wheels and a non-slip rubber foldaway handle.
- 2 lifting points on the upper part of the frame.

Instructions:
- Practical quick user's instructions leaflet on the front panel – to make starting your generator even easier and safer – (ideal for rental)

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GENSET CONTROL PANELS (CONN DPP)

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
- Pushbutton Choke
- CONNector for AMF/RSS (Accessory available)

INSTRUMENTATION
- Voltmeter
- Hours-counter
- Frequency meter
- Fuel gauge

PROTECTIONS:
- Thermal Circuit Breaker
- Differential Protection (DPP)
- Cover Power Switch
- Oil Guard
- Fuse 10A (12V DC)

OUTPUT:
- Battery Charger 12V DC

SOCKET TYPE

SCHUKO 230V 16A IP54	1
2P+T CEE 230V 16A IP44	1
2P+T CEE 230V 32A IP44	1

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ACCESSORIES CONTROL PANEL

AMF - AUTOMATIC CONTROL PANEL (CONN)

This accessory allows to control all the generator functions. It's built to monitor single phase or three phase with neutral systems in alternate current; it transfers the 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 interlock
- Battery maintener
- 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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