

# S5000 230V 50Hz #AVR #CONN #HAU

## 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.

### Main Features

|              |            |     |
|--------------|------------|-----|
| Frequency    | Hz         | 50  |
| Voltage      | V          | 230 |
| Power factor | cos $\phi$ | 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 - 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 procedure being carried out as prescribed by the manufacturers.

### Engine specifications

|                         |                 |      |
|-------------------------|-----------------|------|
| Engine Brand            | Honda           |      |
| Model                   | GX270 Electric  |      |
| 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         | 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     | 88.4 |
| 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)



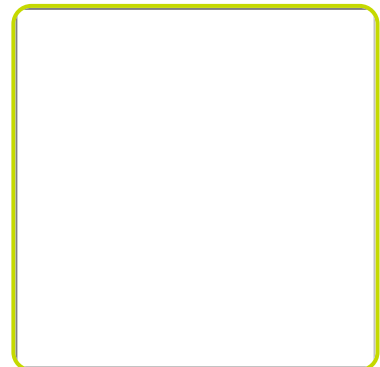
### Transportation:

- 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)



GENSET CONTROL PANELS (CONN)

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)

Protections:

- Thermal Circuit Breaker
- Oil Guard
- Fuse 10A (12V DC)

Output:

- Battery Charger 12V DC



SOCKET TYPE

|                      |   |
|----------------------|---|
| AS/NZS 3112 15A 250V | 3 |
|----------------------|---|

## 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
- Acoustic 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)

