

ES5000 230/115V + HUK

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 | 230/115 |
| Power factor | cos ϕ | 0.9 |
| Phase | | 1 |

Power Rating

| | | |
|-----------------------------|-----|-----|
| Emergency Standby Power ESP | kVA | 5.1 |
| Emergency Standby Power ESP | kW | 4.6 |
| 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 Recoil |
| 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 | | Recoil |



Alternator Specifications

| | | |
|---------------------------|----|---------------------|
| Type | | Brushless |
| Class | | H |
| IP protection | | 23 |
| Poles | | 2 |
| Frequency | Hz | 50 |
| Voltage tolerance | % | +5, - 10 (cosφ1) |
| Voltage regulation system | | Capacitor |

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 at 75% of Load | l/h | 1.67 |
| Fuel consumption at 100% of Load | l/h | 2.22 |
| Running time at 75% of load | h | 6.59 |
| Running time at 100% of load | h | 4.95 |

Noise level

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

GENSET CONTROL

COMMANDS

- Selector switch: OFF - ON
- Starting systems: Recoil
- Selector switch 115/230V
- Fuel Tap
- Choke Lever

PROTECTIONS STANDARD

- Thermal protection
- Oil Guard

SOCKET TYPE

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

