

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 |



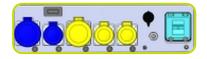
| Alternator Specifications | | |
|---------------------------|----|-----|
| Class | | Н |
| Voltage regulation system | | AVR |
| IP protection | | 23 |
| Poles | | 2 |
| Frequency | Hz | 50 |
| Standard AVR | | ASR |
| | | |

| 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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