

# GENERATING SET GE 11000 HBS

The images are for reference



## FEATURES

- Engine shut down for low oil level (oil alert)
- The recessed control panel protect sockets
- Suitable for electronic equipments
- Automatic voltage regulation "AVR"
- Protective frame
- Not compliant with noise directive 2000/14/EC



air cooled



petrol



singl-phase



electric start



## POWER RATINGS

* Stand-By single-phase power (LTP)	11 kVA (9.9 kW) / 230 V / 47.8 A
* PRP single-phase power	10 kVA (9 kW) / 230 V / 43.5 A
Frequency	50 Hz
Cos φ	0.9

\* Output powers according to ISO 8528-1

## DEFINITION

Valid declared powers up to the followings environmental conditions: temperature 25°C, altitude 100 meters above sea level)

**LTP power: stand-by power:** Maximum available power for use with variable loads for a yearly number of hours limited at 500 h. No overload is admitted.

**PRP power:** continue power with variable loads. Maximum power for use with variable loads for a yearly illimited nubers of hours.

**COP power:** continuous power with constant load. Maximum power for use with constant loads for a yearly unlimited numbers of hours.

## ENGINE 3000 RPM

### 4 STROKE OHV, NATURAL ASPIRATED

Model	Honda GX 630
Stand-By net power	14.5 kW (19.7 HP)
PRP net power	10.5 kW (14.3 HP)
COP net power	/
Cylinders / Displacement	2/ 688 cm <sup>3</sup>
Bore / Stroke	78 / 72 (mm)
Compression ratio	9.3 : 1
BMEP (Brake Mean Effective Pressure : LTP - PRP)	/
Speed governor type	Mechanical
<b>FUEL CONSUMPTION</b>	
110 % (Stand-by power)	6.25 lt./h
100 % to PRP	5.25 lt./h
75 % to PRP	3.9 lt./h
50 % to PRP	2.6 lt./h
<b>COOLING SYSTEM</b>	
Total system cap. - only engine	/
Fan air flow	/
<b>LUBRICATION SYSTEM</b>	
Total oil system capacity	/
Oil capacity in sump	1.9 lt.
Oil consumption at full load	/

## EXHAUST SYSTEM

Maximum exhaust gas flow	/
Max. exhaust gas temp.	/
Maximum back pressure	/
External diameter exhaust pipe	/
<b>ELECTRICAL SYSTEM</b>	
Starter motor power	/
Battery charging alternator cap.	20 A
Cold start	/
With cold start aid	/
<b>AIR FILTER</b>	
Combustion air flow	/
<b>HEAT REJECTED AT FULL LOAD</b>	
To exhaust system	/
To water and oil	/
Radiated to room	/
To charge cooler	/



## ALTERNATOR

SYNCHRONOUS, SINGLE-PHASE, SELF-EXCITED, SELF-REGULATED	
Continuous power	10 kVA
Stand-by power	11 kVA
Three phase voltage	230 / 115 Vac
Frequency	50 Hz
Cos φ	1
Model A.V.R.	HVR 11E
Voltage regulation acc.	± 1 %
Sustained short circuit current	≤ 2.5 I <sub>n</sub>
Transient dip (100% load)	< 15 %
Recovery time	/
Efficiency at 100% load	80 % (230V - Cos φ 1)
Insulation	Class H
Connection - Terminals	Serie - N°4
Electromagnetic compatibility ( R.F.I. suppr.)	/
Waveform distortion - THD	< 5.5 %
Telephone interference - THF	/

REACTANCES (10 KVA - 400 V)	
Direct axis synchronous - X <sub>d</sub>	/
Direct axis transient - X' <sub>d</sub>	/
Subdirect axis transient - X'' <sub>d</sub>	/
Quadrature axis synchronous - X <sub>q</sub>	/
Quadr. axis subtransient - X'' <sub>q</sub>	/
Negative sequence - X <sub>2</sub>	/
Zero sequence - X <sub>0</sub>	/
TIME CONSTANTS	
Transient - T' <sub>d</sub>	/
Subtransient - T'' <sub>d</sub>	/
Open circuit - T' <sub>do</sub>	/
Armature - T <sub>a</sub>	/
Short-circuit ratio K <sub>cc</sub>	/
IP protection degree	IP 23
Cooling air flow	0.082 m <sup>3</sup> /sec
Coupling   Bearing	Direct J609b - N°1

## GENERAL SPECIFICATIONS

Fuel tank capacity	18 lt.
Running time (75% to PRP)	4.5 h
Starter battery	12 Vdc -38Ah
IP protection degree	IP 23

Acoustic power L <sub>WA</sub> (pressure L <sub>pA</sub> )	99 dB(A) (74 dB(A) @ 7m)
Performance class (ISO 8528)	G2

## CONTROL PANEL

- Starter key
- Oil alert alarm lamp (led)
- Hoursmeter
- Manual throttle
- Choke
- Digital multifunction meter: Voltmeter - Frequncymeter - Total Hoursmeter - Partial Hoursmeter (resettable)
- Circuit breaker
- Earth leakage circuit breaker
- Thermal circuit breakers for 230V/16A
- CEE output sockets : 1x 230V 32A 2P+T CEE  
1x 230V 16A 2P+T CEE  
1x 230V 16A Schuko
- Earth terminal (PE)

# WEIGHT - DIMENSIONS AND ACCESSORIES

GE 11000 HBS



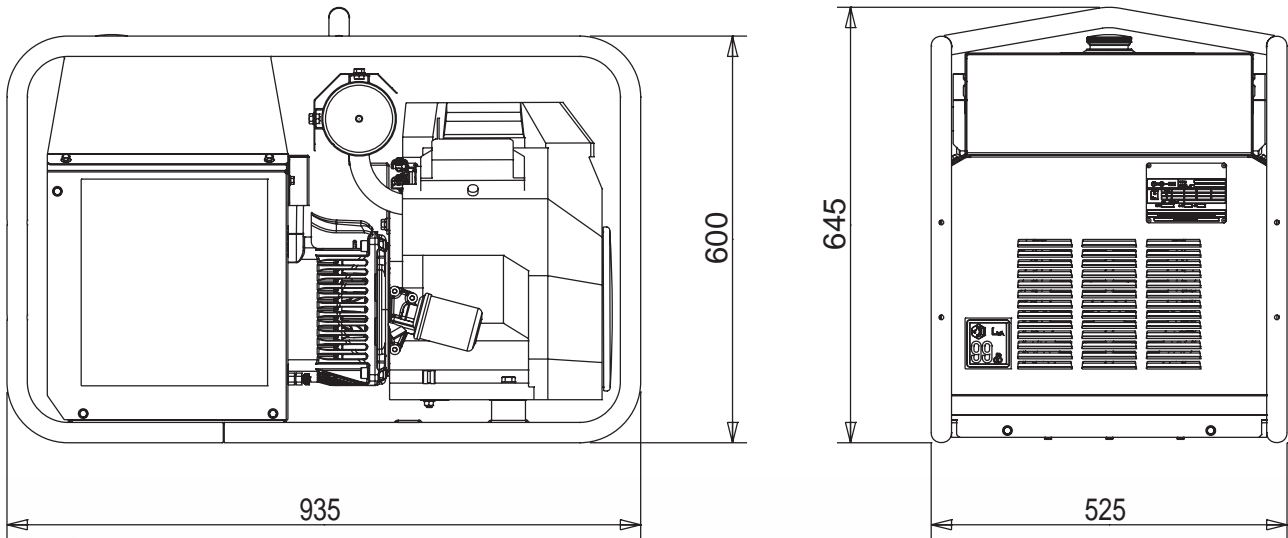
### DRY WEIGHT MACHINE:

- 145 Kg

Generating set pictured may include optional accessories.



### DIMENSIONS DRAW (mm)



### OPTIONS ON REQUEST

- Earthing
- Trolley CTM 10
- Tank cap with lock



### VERSIONS ON REQUEST

- /



### FACTORY INSTALLATION OPTIONS

- /

## GENERAL INFORMATION

### COMPLIANCE GENERATING SETS WITH EC DIRECTIVES AND STANDARDS

- 2006/42 / EC (Machines Directive)
- 2014/35 / EU (Low Voltage Directive)
- 2014/30 / EU (EMC Directive)
- 2000/14 / EC (Directive Acoustic Emission for machines for use outdoors)
- ISO 8528 (Reciprocating internal combustion engine driven alternating current generating sets)



ISO 9001:2008 - Cert. 0192

### WARRANTY

All devices are covered by the manufacturer's warranty.

Non-contractual document. Specification subject to change without notice.

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