

# GENERATING SET GE SX-8000 HBT

The images are for reference



## FEATURES

- HONDA iGX engine with electronic speed governor
- Electric and manual start
- Automatic voltage regulation "AVR"
- Engine shut down for low oil level (oil alert)
- Automatic starter (auto-choke)
- Circuit breaker
- ELCB-GFI (Ground Fault Interruptor)
- Supersilenced
- Ready for connection to automatic transfer unit EAS
- Meets EC directives for noise and safety



air cooled



petrol



three-phase



electric start

## POWER RATINGS

* Stand-By three-phase power (LTP)	8 kVA(6.4 kW) / 400V/ 11.5A
* PRP three-phase power	7 kVA(5.6 kW) / 400V/ 10.1A
* PRP single-phase power	3.5 kVA / kW / 230V / 15.2A
Frequency	50 Hz
Cos φ	0.8

\* Powers declared according to ISO 8528

## 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 iGX 390
Stand-By net power	8.2 kWm (11.1 hp)
PRP net power	6.4 kWm (8.7 hp)
COP net power	/
Cylinders / Displacement	1 / 389 cm <sup>3</sup> (0.39 lt.)
Bore / Stroke	88 / 64 (mm)
Compression ratio	8.2 : 1
BMEP (Brake Mean Effective Pressure : LTP - PRP)	/
Speed governor type	Electronic
<b>FUEL CONSUMPTION</b>	
110 % (Stand-by power)	3.5 lt./h
100 % to PRP	3.2 lt./h
75 % to PRP	2.4 lt./h
50 % to PRP	1.6 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	1.1 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>	12 Vdc
Starter motor power	/
Battery charging alternator cap.	1A
Cold start	/
With cold start aid	/
<b>AIR FILTER</b>	Dry
Combustion air flow	/
<b>HEAT REJECTED AT FULL LOAD</b>	
To exhaust system	/
To water and oil	/
Radiated to room	/
To charge cooler	/



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## ALTERNATOR

SYNCHRONOUS, THREE-PHASE, SELF-EXCITED, SELF-REGULATED	
Continuous power (~3)	7 kVA
Stand-by power (~3)	7.7 kVA
Stand-by power (~1)	3.5 kVA
Three phase voltage	400 ÷ 415 Vac
Single phase voltage	230 ÷ 240 Vac
Frequency	50 Hz
Cos φ	1
Model A.V.R.	AVR-d
Voltage regulation acc.	± 1.5 %
Sustained short circuit current	3 In
Transient dip (100% load)	10 %
Recovery time	/
Efficiency at 100% load	81 % (400V - Cos φ 0.8)
Insulation	Class H
Connection - Terminals	Series - N°4
Electromagnetic compatibility (R.F.I. suppr.)	/
Waveform distortion - THD	< 6 %
Telephone interference - THF	/

REACTANCES (7 KVA - 400 V)	
Direct axis synchronous - Xd	/
Direct axis transient - X'd	/
Subdirect axis transient - X''d	/
Quadrature axis synchronous - Xq	/
Quadr. axis subtransient - X''q	/
Negative sequence - X2	/
Zero sequence - X0	/
TIME CONSTANTS	
Transient - T'd	/
Subtransient - T''d	/
Open circuit - T'do	/
Armature - Ta	/
Short-circuit ratio Kcc	/
IP protection degree	IP 23
Cooling air flow	/
Coupling   Bearing	Direct SAE J609b - N°1

## GENERAL SPECIFICATIONS

Fuel tank capacity	18 lt.
Running time (75% to PRP)	7.5 h
Starter battery	12 Vdc - 18Ah
IP protection degree	IP 23

* Measured acoustic power LwA (pressure LpA)	91.5 dB(A) (66.5 dB(A) @ 7m)
* Guaranteed acoustic power LwA (pressure LpA)	93 dB(A) (68 dB(A) @ 7m)
Performance class	G2

\* Acoustic power in accordance with Directive 2000/14/EC

## CONTROL PANEL

- Engine start and stop key
- Low fuel warning light
- Local-Remote Start switch
- EAS connector
- Multifunction digital instrument: Voltmeter - Frequency meter - Total hour meter - Partial hour meter (resettable)
- Earth leakage circuit breaker
- Magnetothermic switch for 400V socket
- Output sockets: 1x 400V 16A 3P + N + T CEE IP44  
1x 230V 16A 2P + T CEE IP44  
1x 230V 16A 2P + T Schuko
- Earth terminal (PE)
- Pull start (in case of missing battery or low battery)
- Fuel tap

# WEIGHT - DIMENSIONS AND ACCESSORIES

GE SX-8000 HBT



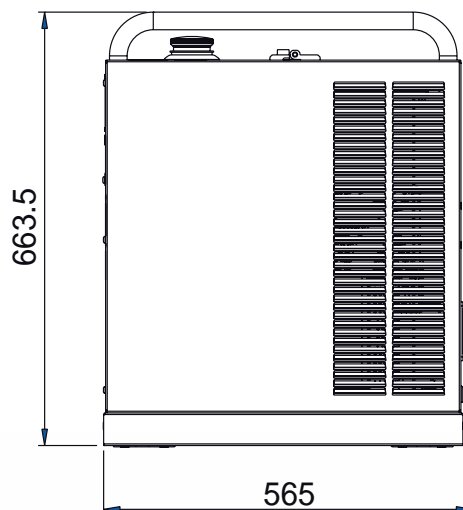
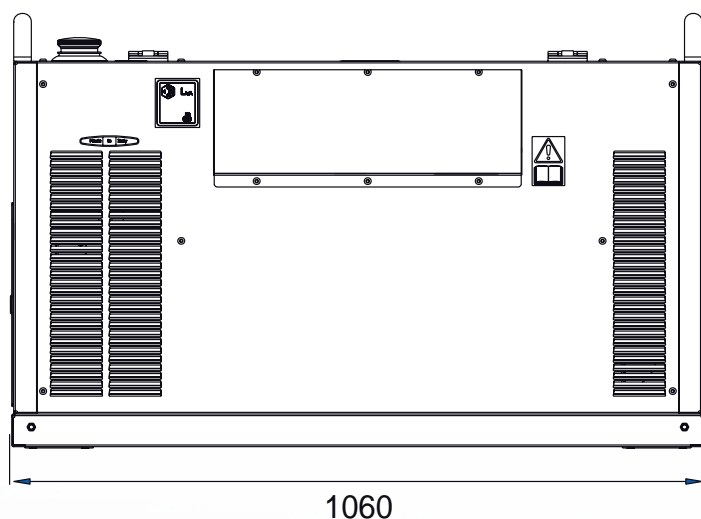
## DRY WEIGHT MACHINE:

- 159 Kg

Generating set pictured may include optional accessories.



## DIMENSIONS DRAW (mm)



## OPTIONS ON REQUEST

- Ready for connection to automatic transfer unit EAS 15 - 806 (25 A)
- Remote control TCM6
- Trolley CTM4 (4 wheels)
- Exhaust extension
- Earthing kit



## 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 9001:2015 - Cert. 0192

### WARRANTY

All devices are covered by the manufacturer's warranty.

The company reserves the right to change this specification without notice. For further information please contact the sales department.

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