MOSA

language

MADE IN ITALY

GENERATING SET
GE 13054 HBS

The images are for reference

FEATURES

- Low oil pressure automatic engine shut down
- The recessed control panel protect sockets
- Automatic voltage regulation “AVR”
- Circuit breaker
- IP54 brushless alternator
- Meets EC directives

air cooled | petrol | three-phase | electric start

POWER RATINGS	
* Stand-By three-phase power (LTP)	13 kVA (10.4 kW) / 400V / 18.7 A
* PRP three-phase power	12 kVA (9.6 kW) / 400V /17.3A
* PRP single-phase power	6 kVA / 230V / 26 A
Frequency	50 Hz
Cos φ	0.8

* 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 kWm (19,7 hp)
* PRP net power	10.5 kWm (14,3 hp)
* COP net power	/
Cylinders / Displacement	2 / 688 cm³
Bore / Stroke	78 / 72 (mm)
Compression ratio	9.3 : 1
BMEP (Brake Mean Effective Pressure : LTP - PRP)	/
Speed governor type	Mechanical
FUEL CONSUMPTION	
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
COOLING SYSTEM	
Total system cap. - only engine	/
Fan air flow	/
LUBRICATION SYSTEM	
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	/
ELECTRICAL SYSTEM	12 Vdc
Starter motor power	/
Battery charging alternator cap.	20 A
Cold start	/
With cold start aid	/
AIR FILTER	Dry
Combustion air flow	/
HEAT REJECTED AT FULL LOAD	
To exhaust system	/
To water and oil	/
Radiated to room	/
To charge cooler	/

BCS group

ALTERNATOR

SYNCHRONOUS, THREE-PHASE, SELF-EXCITED, SELF-REGULATED	
Continuos power	13 kVA
Stand-by power	14.5 kVA
Three phase voltage	380 - 415 Vac
Frequency	50 Hz
Cos φ	0.8
Model A.V.R.	Analogic
Voltage regulation acc.	± 1 %
Sustained short circuit current	3 In
Transient dip (100% load)	< 25 %
Recovery time	< 0.5 sec.
Efficiency at 100% load	/
Insulation	Class F/H
Connection - Terminals	Star (with N) - N°6
Electromagnetic compatibility (R.F.I. suppr.)	EN 61000-6-2 EN 61000-6-3
Waveform distorsion - THD	< 5%
Thelephone interference - THF	/

REACTANCES (13 KVA - 400 V)	
Direct axis synchronuos - Xd	/
Direct axis transient - X'd	/
Subdirect axis transient - X"d	/
Quadrature axis synchronuos - 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 54
Cooling air flow	/
Coupling I Bearing	Direct - N°1

GENERAL SPECIFICATIONS

Fuel tank capacity	18 lt.
Running time (75% to PRP)	4.6 h
Starter battery	12 Vdc -37Ah / 330A CCA(EN)

IP protection degree	IP 54
Acoustic power LwA (pressure LpA)	99 dB(A) (74 dB(A) @ 7m)
Performance class (ISO 8528)	G2

CONTROL PANEL

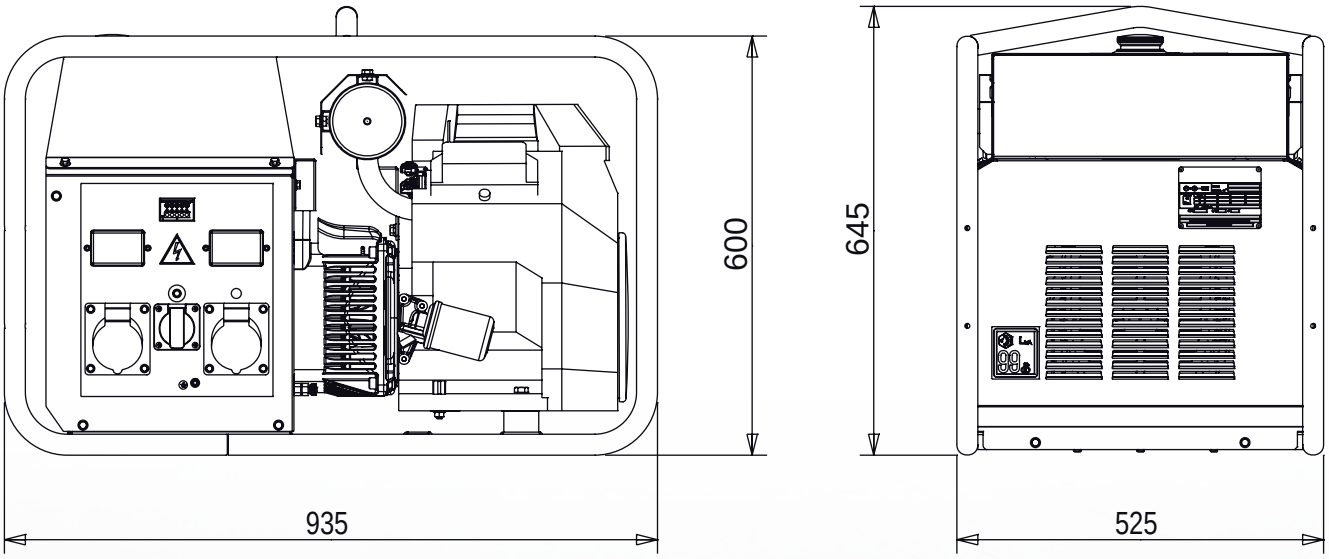
- Starter key
- Oil alert warning light (led)
- Hour meter
- Manual throttle control
- Air control
- voltmeter
- Magnetothermic switch (three-phase output)
- Magnetothermic switch (single phase output)
- Isolation monitor
- Thermal cut-outs for protection against 230V Schuko sockets: 2x16A
- Output sockets: 1x400V 16A 3P + N + T CEE IP67
  2x230V 16A 2P + T Schuko
- Earth terminal (PE)

WEIGHT - DIMENSIONS AND ACCESSORIES

DRY WEIGHT MACHINE:
- 160 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 9001:2015 - 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.