MOSA

language

MADE IN ITALY

GENERATING SET
GE 10 YSXC

The images are for reference

FEATURES

- Combined system voltage regulation: electronic AVR + CompoundThe rounded edges of the canopy designed for rainwater drainage away
- Engine cowling side, can be completely opened, which facilitates all maintenance operations
- The recessed control panel is lockable and houses the sockets and machine
- Central lifting eye
- Ready for connection to automatic transfer unit EAS (AMF + ATS)
- Meets EC directives for noise and safety

water cooled | diesel | 3~ three-phase power | electric | super silenced

POWER RATINGS	
* Stand-By three-phase power	9.5 kVA(7.6 kW) / 400V / 13.7A
* PRP three-phase power	9 kVA (7.2 kW) /400V / 13A
* PRP single-phase power	4.5 kVA / 230V / 19.5A
* COP single-phase power	/
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 1500 RPM

4 STROKE, INDIRECT INJECTION, NATURAL ASPIRATED	
Model	YANMAR 3TNV80
* Stand-By net power	9 kW (12.2 hp)
* PRP net power	8.2 kW (11.1 hp)
* COP net power	/
Cylinders / Displacement	3/ 1.2 lit
Bore / Stroke	80 / 84 (mm)
Compression ratio	23 : 1
BMEP (Brake Mean Effective Pressure : LTP - PRP)	/
Speed governor type	Mechanical
FUEL CONSUMPTION	
110 % (Stand-by power)	2.7 lit./h
100 % to PRP	2.5 lit./h
75 % to PRP	2 lit./h
50 % to PRP	1.6 lit./h
COOLING SYSTEM	
Total system cap. - only engine	/ lit. - 0.9 lit.
Fan air flow	32 m^3/min.
LUBRICATION SYSTEM	
Total oil system capacity	/
Oil capacity in sump	1.6 lit. (min) – 3.4 lit. (max)
Oil consumption at full load	/

* Output powers according to ISO 3046-1

EXHAUST SYSTEM	
Maximum exhaust gas flow	/
Max. exhaust gas temp.	390 °C
Maximum back pressure	9.8 kPa (0.1 bar)
External diameter exhaust pipe	/
ELECTRICAL SYSTEM	12 Vdc
Starter motor power	1.1 kW
Battery charging alternator cap.	40 A
Cold start	Cold start aid - 15 °C
With cold start aid	/
AIR FILTER	Dry
Combustion air flow	0.75 m^3/min
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, BRUSHLESS	
Continuos power	10 kVA
Stand-by power	11 kVA
Three phase voltage	380-415 Vac
Frequency	50 Hz
Cos φ	0.8
Model A.V.R.	HVR-10 KE
Voltage regulation acc.	± 1 %
Sustained short circuit current	3 In
Transient dip (100% load)	17 %
Recovery time	/
Efficiency at 100% load	84.4 % (400V - Cos φ 0.8)
Insulation	Class H
Connection - Terminals	Star - N°6
Electromagnetic compatibility (R.F.I. suppr.)	/
Waveform distorsion - THD	< 4 %
Thelephone interference - THF	/

REACTANCES (10 kVA - 400V)	
Direct axis synchronuos - Xd	220 %
Direct axis transient - X'd	18 %
Subdirect axis transient - X"d	7,6 %
Quadrature axis synchronuos - Xq	119 %
Quadr. axis subtransient - X"q	/
Negative sequence - X2	/
Zero sequence - X0	/
TIME CONSTANTS	
Transient - T'd	0.027 sec
Subtransient - T"d	0.005 sec
Open circuit - T'do	0.335 sec
Armature - Ta	/
Short-circuit ratio Kcc	/
Cooling air flow	0.068 m^3/sec.
Coupling I Bearing	Direct SAE 5 -7 ½ - N°1

GENERAL SPECIFICATIONS

Fuel tank capacity	30 lt.
Running time (75% to PRP)	15 h
Starter battery	12 Vdc -62Ah / 570A CCA(EN)
IP protection degree	IP 23

* Measured acoustic power LwA (pressure LpA)	87 dB(A) (62 dB(A) @ 7 m)
* Guaranteed acoustic power LwA (pressure LpA)	88 dB(A) (63 dB(A) @ 7 m)
Performance class (ISO 8528)	G2

* Acoustic power according to European Directive 2000/14/CE

CONTROL PANEL

- Controller EP6
- Fuel level gauge
- Emergency stop buttom
- Local-Remote Start switch
- EAS plug
- TCM 35 remote control plug
- Voltmeter switch 0 - RS - ST - TR
- Circuit breaker
- ELCB-GFI (Ground Fault Interruptor)
- Output sockets 1x 400V 16A 3P+N+T CEE
  1x 230V 16A 2P+T CEE
  1x 230V 16A 2P+T SCHUKO
- Earth terminal (PE)

EP6 CONTROLLER CHARACTERISTICS	
Operating mode	OFF - MAN.- AUTO
Display	4-digits display
LEDs	Engine is running AUTO mode
Buttons/controls	Starter key AUTO button N° 5 buttons for controller programming
Measures	Generator voltage Generator current Frequency Engine speed Battery voltage Charger battery voltage Hoursmeter
Alarms	Low oil pressure High temperature Belt break Low level fuel Emergency stop button Starting failure Over-under generator voltage Over-under frequency Over-under speed Hight-low battery voltage Overload generator Internal memory failure
Functions	Remote starting (only to AUTO) Cold start aid Automatic periodic test (only to AUTO) Generator contactor control

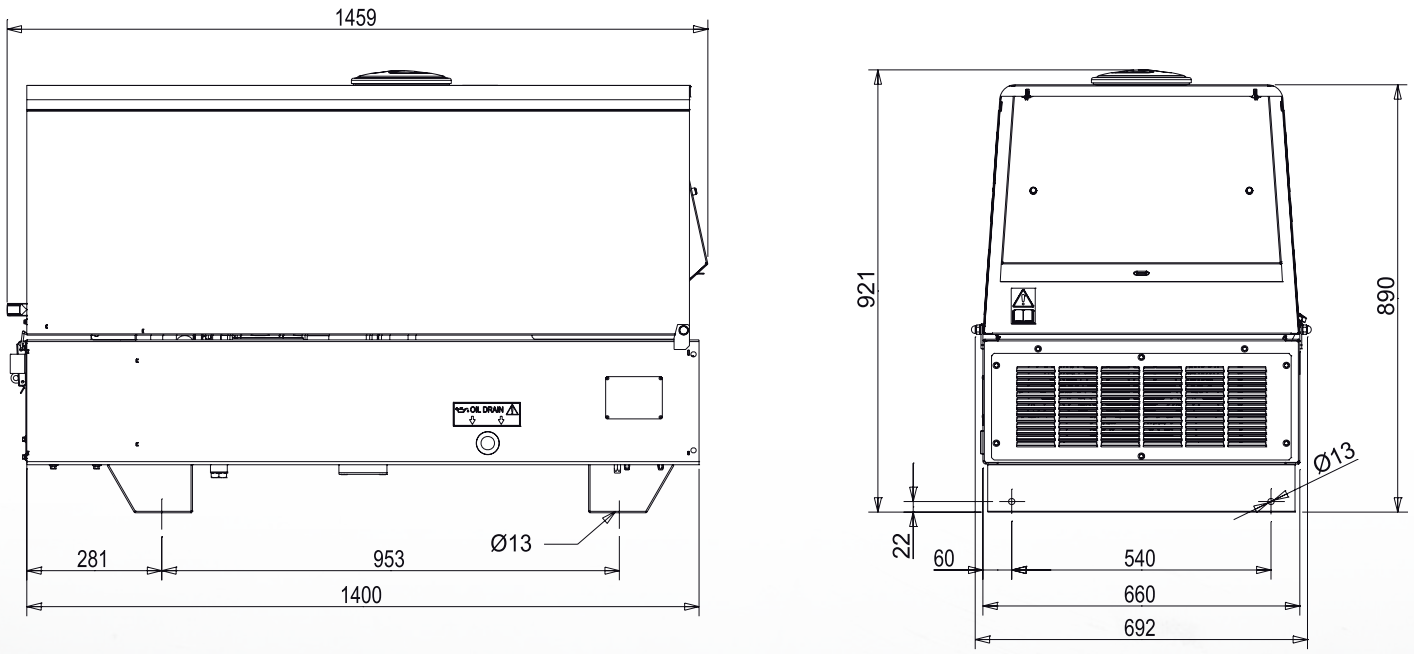
WEIGHT - DIMENSIONS AND ACCESSORIES

GE 10 YSXC

DRY WEIGHT MACHINE:
- 410 kg

Generating set pictured may include optional accessories.

DIMENSIONS DRAW



OPTIONS ON REQUEST

- Automatic transfer unit EAS 17 - 809 (25 A)
- Remote control TCM35
- Locking Fuel Cap
- Site tow CTL300
- Road trailer CTV4
- Earthing kit

VERSIONS ON REQUEST

- /

FACTORY INSTALLATION OPTIONS

- Engine water heater WH
- Radio control

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.

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

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