

GENERATING SET GE 6900

The images are for reference



FEATURES

- Engine shut down for low oil level
- Electronic voltage regulation "AVR"
- 1x230V 32A 2P+T CEE - 2x230V 16A 2P+T Schuko sockets
- Thermal overload protection
- 12 Vdc battery charger
- Protective frame
- Manual towing trolley
- Silenced
- Portable
- Compliant with EC / EU directives



air
cooled



petrol



single-phase
power



manual recoil

POWER RATINGS

* Stand-By single-phase power	6.5 kVA/kW / 230V/ 28.3A
* PRP single-phase power	6 kVA/kW / 230V/26A
Frequency	50 Hz
Cos φ	1

* 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	GK 420
* Stand-By net power	/
* PRP net power	/
* COP net power	/
Cylinders / Displacement	1 / 420 cm ³ (0.42 l)
Bore / Stroke	/
Compression ratio	/
BMEP (Brake Mean Effective Pressure : LTP - PRP)	/
Speed governor type	/
FUEL CONSUMPTION	
110 % (Stand-by power)	/
100 % to PRP	/
75 % to PRP	/
50 % to PRP	/
COOLING SYSTEM	
Total system cap. - only engine	/
Fan air flow	/
LUBRICATION SYSTEM	
Total oil system capacity	/
Oil capacity in sump	1.1 lt.
Oil consumption at full load	/

* Output powers according to ISO 3046-1

EXHAUST SYSTEM

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

ALTERNATOR

SYNCHRONOUS, SINGLE-PHASE, SELF-EXCITED, SELF-REGULATED	
Continuous power	6 kVA
Stand-By power	6.6 kVA
Tensione three-phase	230 Vac
Frequency	50 Hz
Cos ϕ	1
Model A.V.R.	/
Voltage regulation acc	/
Sustained short circuit current	/
Transient dip (100% load)	/
Recovery time	/
Efficiency at 100% load	/
Insulation	Classe H
Connection - Terminals	/
Electromagnetic compatibility (R.F.I. suppr.)	/
Waveform distorsion - THD	< 5 %

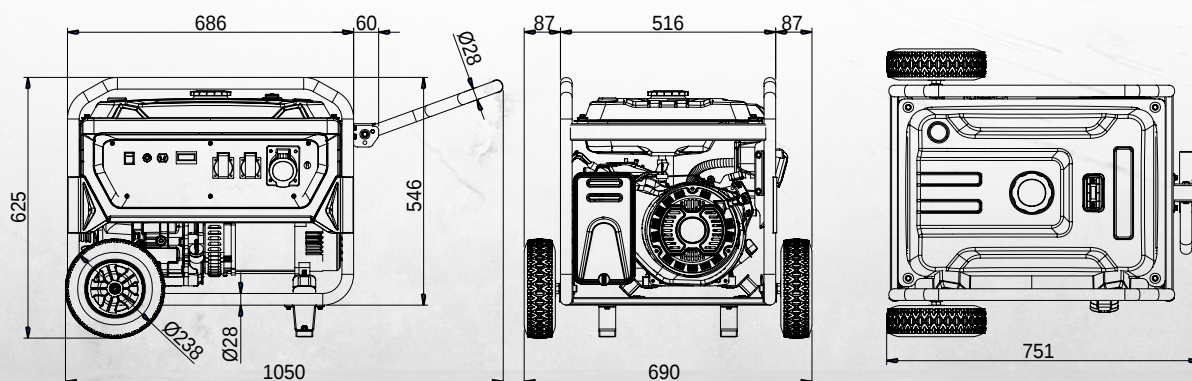


DRY WEIGHT MACHINE:

- 80 kg



DIMENSIONS:



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.

GENERAL SPECIFICATIONS

Fuel tank capacity	20 lt.
Running time (50% to PRP)	8 h
Running time (100% to PRP)	6.5 h
Starter battery	/
IP protection degree	IP 23
Acoustic power LwA (pressure LpA)	99 dB(A) (74 dB(A) @ 7m)
Performance class (ISO 8528)	G1

CONTROL PANEL

- Manual recoil
- Engine switch ON- OFF
- Choke
- Digital multifunction meter: Voltmeter - Frequencymeter - Hoursmeter
- Circuit breaker: 1 x 27A
- Output sockets: 1x 230V 32A 2P+T CEE - 2x 230V 16A 2P+T Schuko
- Earth terminal (PE)
- 12 Vdc output (battery charger)
- Thermal circuit breaker for 12Vdc output