



GENERATING SET GE 3500 KBM

The images are for reference



POWER RATINGS		
* Stand-by single-phase power	3.2 kVA (2.9 kW) / 230V / 13.9 A	
* PRP single-phase power	2.9 kVA (2.6 kW) / 230V / 12.6 A	
* COP single-phase power	/	
Frequency	50 Hz	
Cos φ	0.9	

^{*} Output powers according to ISO 8528

FEATURES

- Manual recoil
- Engine shut down for low oil level
- Sockets 2x230V 16A 2P+T Schuko
- · Overload thermal shut off
- Battery charger 12 Vcc with fuse protection
- Protective frame
- Silenced
- Portable
- Meets EC directives of safety









DEFINITIONS

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

 $\pmb{\mathsf{LTP}}$ stand-by power: Maximum available power for use with vAirble 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: COP Power: continuous power with constant load. Maximum power for use with constant loads for a yearly unlimited numbers of hours.

3000 RPM ENGINE

4-STROKE, OHV, NATURAL ASPIRATED	
Model	KOHLER CH 270 COMMAND PRO
* Stand-By net power	4 kWm (5.4 hp)
* PRP net power	3.6 kWm (4.9 hp)
* COP net power	/
Cylinders/ Displacement	1 /208 cm ³ (0.208 lt)
Bore / Stroke	70 / 54 (mm)
Compression ratio	8.5 : 1
BMEP (Brake Mean Effective Pressure : LTP - PRP)	
Speed governor type	Mechanical
FUEL CONSUMPTION	
110 % (Stand-By power)	1.9 lt./h
100 % of PRP	1.7 lt./h
75 % of PRP	1.2 lt./h
50 % of PRP	0.8 lt./h
COOLING SYSTEM	Air
Total system cap only engine	/
Fan air flow	/
LUBRIFICATION SYSTEM	
Total oil system capacity	1
Oil capacity in sump	0.6 lt.
Oil consumption at full load	/

^{*} Output powers according to ISO 3046-1

EXHAUST SYSTEM	
Maximum exhaust gas flow	/
Max. exhaust gas temp.	1
Maximum back pressure	/
External diameter exhaust pipe	1
ELECTRICAL SYSTEM	/
Starter motor power	1
Battery charging alternator cap.	/
Cold star	/
Cold start aids	/
AIR FILTER	Dry
Combustion air flow	/
HEAT REJECTED AT FULL LOAD	
To exhaust system	/
To water and oil	/
Radiated to room	/
To charge cooler	/



SYNCHRONOUS, SINGLE-PHASE	SELF-EXCITED, SELF-REGULATED, BRUSHLESS
Continuos power	3 kVA
Stand-By power	3.3 kVA
Single phase voltage	230 Vac
Frequency	50 Hz
Cos φ	1
Model A.V.R.	/
Voltage regulation acc	± 5 %
Sustained short circuit current	3 ln
Transient dip (100% load)	< 15 %
Recovery time	/
Efficiency at 100% load	75 % (230V - Cos φ 1)
Insulation	Class H
Connection - Terminals	Series - n°2
Electromagnetic compatibility (R.F.I. suppr.)	EN 55011
Waveform distorsion - THD	< 6 %
Thelephone interference - THF	/

REACTANCES (3 kVA - 230 V)	
Direct axis synchronuos - Xd	/
Direct axis transient - X'd	/
Direct axis subtransient - 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 23
Cooling air flow	0.062 m³/sec
Coupling - Bearing	Direct J609a - N°1

GENERAL SPECIFICATION

Tank capacity	4 lt.
Running time (75% of PRP)	3.3 h
Start battery	/
IP protection degree	IP 23

* Measured acoustic power LwA (pressure LpA)	96 dB(A) (71 dB(A) @ 7m)
* Guaranteed acoustic power LwA (pressure LpA)	96 dB(A) (71 dB(A) @ 7m)
Performance class	G2

^{*} Acoustic power according to European Directive 2000/14/CE

CONTROL PANEL

- Engine switch ON- OFF
- Output sockets: 2x 230V 16A 2P+T Schuko
- Choke
- Thermal circuit breaker for 230V/16A sockets: 1 x 12A
- Earth terminal (PE)
- Output terminals for 12 Vdc (battery charter)
- Fuse for 12Vdc output



WEIGHT - DIMENSIONS AND ACCESSORIES



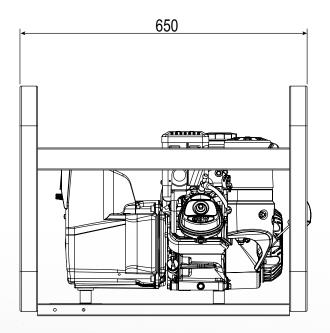
DRY WEIGHT OF MACHINE:

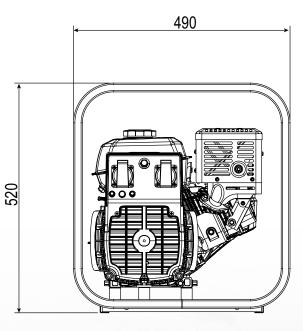
• 44 ka

Generating set reSocketsnted may include optional accessories.



DIMENSIONS PICTURE







OPTIONS ON REQUEST



VERSIONS ON REQUEST



FACTORY INSTALLATION OPTIONS

• Earthing kit

Moving trolley CM8

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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