



MOSA GE 12000 KSX GS-AVR

Reference: CC1A6001 /

MOSA GE12000 KSX/GS 12.1 KW

MOSA GE12000 KSX/GS single-phase 12.1 KW diesel-powered Kohler engine. The MOSA GE12000 KSX/GS generator set is equipped with electric start. The MOSA GE12000 KSX/GS generator set alternator is synchronous, single-phase, self-excited, self-regulated with class H insulation.

MOSA is compact and convenient to maneuver and transport thanks to its compact size, its weight of 297 kg as well as the practical pierceable base. The MOSA GE12000 KSX/GS generator set with 23-liter fuel tank has a fuel consumption of 2.8 liters/hour at 75% load for an autonomy of more than 8 hours.

Socket:

1x 230V 63A 2P+E CEE
1x 230V 32A 2P+E CEE
1x 230V 16A 2P+E CEE

Technical specifications MOSA GE12000 KSX/GS:

Single-phase Stand-by (LTP) output: 13.5 kVA (12.1 kW) / 230 V / 58.7 A
Single-phase PRP output: 12 kVA (10.8 kW) / 230 V / 52.5 A
Single-phase Stand-by output: 13.5 kVA (12.1 kW) / 115 V / 117.4 A
Single-phase PRP output: 12 kVA (10.8 kW) / 115 V / 104.4 A
Frequency: 50 Hz
Cos φ: 0.9

ENGINE TECHNICAL DATA

Model: KOHLER KD 477/2
Net stand-by output: 14.9 kWm (20.3 hp)
Net PRP output: 13.5 kWm (18.4 hp)
Cylinders / Displacement: 2 / 954 cm³ (0.954 lt.)
Bore / Stroke: 90 / 75 (mm)
Compression ratio: 19 : 1
RPM controller: Mechanical
110 % (Stand-by power): 4.1 lt./h
100 % PRP: 3.7 lt./h
75 % PRP: 2.8 lt./h
50 % PRP: 1.8 lt./h
Fan Air Flow: 13.3 m³/min
Oil capacity in sump: 3 lt.
Full load oil consumption: < 0.011 kg./h
Maximum exhaust gas flow: 3.48 m³/min

Maximum exhaust gas temperature: 600 °C
Maximum back pressure: 6.7 kPa (0.067 bar)
Electrical system: 12 Vdc
Starter motor power: 1.8 kW
Battery charge alternating capacity: 25 A
With cold starting device: - 15°C 1000 rpm / - 8°C 3000 rpm
Combustion air flow: 1.26 m³/min.

TECHNICAL DATA ALTERNATOR

Continuous power: 12 kVA
Standby power: 13.5 kVA
Single-phase voltage: 230/115 Vac
Frequency: 50 Hz
Cos φ: 1
Voltage regulation accuracy: ± 2 %
Sustained short-circuit current: 3 In
Transient cdt (100 % of load): 10 %
Yield at 100 % of load: 81.2 % (230V - Cosφ 1)
Isolation: Class H
Connection - Terminals: Series - N°4
Harmonic Distortion - THD: < 5 %
Protection Class: IP 23
Coupling - Bearings: Direct B3/B9 cono38 - N°1
Voltage Regulator: AVR

GENERAL SPECIFICATIONS

Tank capacity: 23 lt.
Run time (75% of PRP): 8.2 h
Starting battery: 12 Vdc - 44Ah
Measured acoustic power LwA: 96 dB(A) (71 dB(A) @ 7m)
Guaranteed acoustic power LwA: 96 dB(A) (71 dB(A) @ 7m)
Performance Class: G2
Length: 1320 mm
Width: 790 mm
Height: 750 mm
Weight: 297 Kg

MOSA GE12000 KSX/GS portable generator set - Kohler diesel engine electric start - Single phase alternator - Single phase power 12 kVA (10.8 kW)

Features:

- Electronic AVR voltage regulation
- Fully openable one-piece enclosure that facilitates all maintenance operations
- Recessed control panel can be closed by padlock, It houses the sockets and controls of the machine
- Central lifting hook
- Prepared for use with automatic panel EAS
- Complies with EC directives for noise and safety

If you are looking for another product like the generator set MOSA GE12000 KSX/GS then you can see on our catalog other [terrestrial generators](#).

Images and technical data are not binding.

Technical Sheet

Phase	Single phase
Maximum power single phase (KW)	12.1

Continuous power single phase (KW)	10.8
Maximum power single phase (KVA)	13.5
Continuous power single phase (KVA)	12
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230
Sockets configuration	1 x 230V 63A 2P+T CEE - 1 x 230V 32A 2P+T CEE - 1 x 230V 16A 2P+T CEE
Engine	Kohler KD 477/2, 4 stroke
Emissions Regulations	Stationary Use
Engine rpm (rpm)	3000
Starting system	Electric
Engine capacity (cm ³)	954
Number cylinders	2
Cooling	Air
Inyección	Direct
Alternator	Single-phase synchronous self-excited, self-regulated
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Kohler