

# MOSA GE 12000 KSX GS-AVR



## Product description:

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 cm<sup>3</sup> (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 m<sup>3</sup>/min  
Oil capacity in sump: 3 lt.  
Full load oil consumption: Maximum exhaust gas flow: 3.48 m<sup>3</sup>/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 m<sup>3</sup>/min.

#### TECHNICAL DATA ALTERNATOR

Continuous power: 12 kVA  
Standby power: 13.5 kVA  
Single-phase voltage: 230/115 Vac  
Frequency: 50 Hz  
Cos ? : 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 - Cos? 1)  
Isolation: Class H  
Connection - Terminals: Series - N°4  
Harmonic Distortion - THD: 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.

**Product features:**

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<sup>3</sup>): 954

Number cylinders: 2

Cooling: Air

Inyección : Direct

Alternator: Single-phase synchronous self-excited, self-regulated

Product type: Generator

ATS Switch device : Optional

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Voltage regulator: AVR  
Engine manufacturer: Kohler