



MOSA GE SX-6000 YDM

Reference: CC0P6012

MOSA GE SX-6000 YDM 5,1 KW super-silenced AVR generating set

MOSA GE SX-6000 YDM is a 5,1 KW single-phase diesel-powered generator set, with Yanmar engine, **supersilenced** and with voltage regulator with **AVR** technology. The MOSA GE SX-6000 YDM is easily transportable thanks to the central lifting hook and with a sealed basement that can contain any leakage of liquids present in the engine, avoiding environmental pollution.

Even quieter and more efficient than traditional models, the MOSA GE SX-6000 YDM generator set delivers a stable and precise single-phase power of 5.1 KW suitable for powering sophisticated electronic equipment that is sensitive to variations in voltage and frequency.

So you can easily enjoy all the little conveniences of home wherever you are: lights, fans, a coffee machine, laptops, radio or TV.

AVR Voltage Regulator

The AVR is an electronic device that performs voltage regulation. The voltage error resulting from the comparison between the voltage to be regulated and a stable reference is virtually nullified by acting on the rotoric excitation current.

The regulation characteristics are much better than those of self-regulated alternators.

The MOSA GE SX-6000 YDM generator set is equipped with a 23-liter capacity tank for an autonomy of up to 19 hours of continuous operation at 75% load.

The MOSA GE SX-6000 YDM genset is prepared to be connected to the **EAS** automatic start panel, thus allowing the machine to be used as an emergency unit in the event of a main power failure from the commercial electrical network.

The MOSA GE SX-6000 YDM generator set control panel houses the machine's outlets and controls, including the residual current circuit breaker, circuit breaker and thermal protection.

A **TCM** remote control is also available for the MOSA GE SX-6000 YDM genset, allowing engine start/stop from up to 10 meters away from the machine.

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Technical features of the MOSA GE SX-6000 YDM:

Single-phase Stand-by (LTP) Output: 5.7 kVA (5.1 kW) / 230V / 24.8A

Single-phase Stand-by (LTP) Output: 5.7 kVA (5.1 kW) / 115V / 49.6A

Single-phase PRP output: 5 kVA (4.5 kW) / 230V / 21.7A

Single-phase PRP output: 5 kVA (4.5 kW) / 115V / 43.4A

Frequency: 50 Hz

Cos φ: 0.9

MOTOR TECHNICAL DATA

Model: YANMAR L 100 V
Net stand-by output: 6.3 kWm (8.5 hp)
Net PRP output: 5.7 kWm (7.7 hp)
Cylinders / Displacement: 1 / 435 cm³ (0.435 lt.)
Bore / Stroke: 86 / 75 (mm)
Compression ratio: 20 : 1
RPM controller: Mechanical
110 % (Stand-by power): 1.9 lt./h
100 % PRP: 1.7 lt./h
75 % PRP: 1.2 lt./h
50 % PRP: 0.8 lt./h
Cooling system: Air
Sump oil capacity: 1.6 lt.
Maximum back pressure: 4.3 kPa (0.043 bar 440 mmH₂O)
Electrical system: 12 Vdc
Starter motor power: 0.8 kW
Battery charge alternating capacity: 15 A
Cold start: - 10°C

TECHNICAL DATA ALTERNATOR

Continuous power: 6 kVA
Standby power: 6.6 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 %
Efficiency at 100% of load: 77% (230V - Cos φ 1)
Isolation: Class H
Connection - Terminals: Series - No. 4
Harmonic Distortion - THD: < 6 %
Protection Class: IP 23
Coupling - Bearings: Direct J609b - No. 1
Model A. V.R. AVR-d

GENERAL SPECIFICATIONS

Tank capacity: 23 lt
Range of autonomy (75% of PRP): 19 h
Battery starting: 12 Vdc -37Ah / 330A CCA(EN)
Acoustic power measured L_{wA}: 91.2 dB(A) (66.2 dB(A) @ 7m)
Guaranteed Acoustic Power L_{wA}: 93 dB(A) (68 dB(A) @ 7m)
Performance Class: G2
Length: 1040 mm
Width: 650 mm
Height: 911 mm
Weight: 200 Kg

If you are looking for another product like the MOSA GE SX-6000 YDM then you can browse our catalog for more [overland generator sets](#).

Images and technical data are not binding.

Technical Sheet

Phase

Single phase

Maximum power single phase (KW)	5.1
Continuous power single phase (KW)	4.5
Maximum power single phase (KVA)	5.7
Continuous power single phase (KVA)	5
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230
Sockets configuration	1 x 230V 32A 2P+T CEE IP67 - 1 x 230V 16A 2P+T CEE IP67 - 1 x 230V 16A 2P+T Schuko
Engine	Yanmar L100V, 4 stroke
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Starting system	Electric
Engine capacity (cm ³)	435
Number cylinders	1
Oil capacity (L)	1.6
Cooling	Air
Alternator	Synchronous self-excited, self-regulated
Fuel tank capacity (L)	23
Consumption (L/h)	1.2
Running time (h)	19
Acoustic power	93 dB(A)
Acoustic pressure	68 dB(A) at 7 m
Length (mm)	1040
Width (mm)	650
Height (mm)	911
Dry weight (Kg)	200
Silenced	Yes
Super silenced	Yes
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Yanmar