

# MOSA GE SX-6000 YDM



Product price:

**3.540,00 € tax excluded**

## Product description:

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 rotor 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.

The MOSA GE SX-6000 YDM genset is **suitable for a wide range of uses** such as construction,

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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  $\phi$ : 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 cm<sup>3</sup> (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 mmH<sub>2</sub>O)  
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  $\phi$ : 1  
Voltage regulation accuracy:  $\pm 2\%$   
Sustained short-circuit current: 3 In  
Transient Cdt (100% of load): Efficiency at 100% of load: 77% (230V - Cos  $\phi$  1)

Isolation: Class H  
Connection - Terminals: Series - No. 4  
Harmonic Distortion - THD: 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 LwA: 91.2 dB(A) (66. 2 dB(A) @ 7m)  
Guaranteed Acoustic Power LwA: 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.

#### Product features:

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<sup>3</sup>): 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

Voltage regulator: AVR

Engine manufacturer: Yanmar

