



MOSA GE SX-6500 YDT

Reference: CD9P6011

MOSA GE SX-6500 YDT 5,2 KW super-silenced AVR generating set

MOSA GE SX-6500 YDT is a singlephase and threephase 5,2 KW diesel-powered generator set, with Yanmar engine, **super-silenced** and voltage regulator with **AVR** technology. The MOSA GE SX-6500 YDT is easily transportable thanks to the central lifting hook and with a sealed basement able to contain any leakage of liquids present in the engine, thus avoiding environmental pollution.

Even quieter and more efficient than traditional models, the MOSA GE SX-6500 YDT generator set delivers a stable and precise three-phase power of 5.2 KW suitable for powering sophisticated electronic equipment that is sensitive to variations in voltage and frequency.

It is therefore possible to quietly and easily enjoy all the small comforts of home wherever you are: lights, fans, a coffee machine, laptops, radio or TV.

The MOSA GE SX-6500 YDT generator set is equipped with a 23-liter capacity tank for up to 19 hours of continuous operation at 75% load.

The MOSA GE SX-6500 YDT generator set is set up to be connected to the **EAS** automatic start panel, allowing the machine to be used as an emergency power unit in the event of a main power failure from the commercial electrical grid.

The MOSA GE SX-6500 YDT 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-6500 YDT genset, which allows engine start/stop up to 10 meters away from the machine.

The MOSA GE SX-6500 YDT genset is **suitable for a wide range of uses** such as construction, equipment rental, events.

Technical features of the MOSA GE SX-6500 YDT:

Three-phase Stand-by (LTP) output: 6.5 kVA (5.2 kW) /400V/ 9.4A

Three-phase PRP output: 5.7 kVA (4.6 kW) /400V/ 8.2A

Single-phase PRP output: 3.5 kVA/kW /230V/ 15.2A

Frequency: 50 Hz

Cos φ: 0.8

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

Bore / Stroke: 86 / 75 (mm)

Compression Ratio: 20 : 1

RPM Control: 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
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 starting: - 10°C

TECHNICAL DATA ALTERNATOR

Continuous power: 7 kVA
Standby power: 7.7 kVA
Single-phase voltage: 400 ÷ 415 Vac
Frequency: 50 Hz
Cos φ: 0.8
Voltage regulation accuracy: ± 1.5 %
Sustained short circuit current: 3 In
Transient Cdt (100% load): < 10 %
Efficiency at 100% load: 81 % (400V - Cos φ 0.8)
Isolation: Class H
Connection - Terminals: Series - N°6
Harmonic distortion - THD: < 6 %
Protection class: IP 23
Coupling - Bearings: Direct J609b - N°1
A.V.R. Model 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: 91.6 dB(A) (66.6 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: 202 Kg

If you are looking for another product such as MOSA GE SX-6500 YDT generator set then you can browse our catalog for other [overland generator sets](#).

Images and technical data are not binding.

Technical Sheet

Phase	Single phase / Three phase
Continuous power single phase (KW)	2.8
Continuous power single phase (KVA)	3.5
Maximum power three phase (KW)	5.2
Continuous power three phase (KW)	4.6
Maximum power three phase (KVA)	6.5
Continuous power three phase (KVA)	5.7

Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	1 x 400V 16A 3P+N+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)	202
Silenced	Yes
Super silenced	Yes
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Yanmar