



## MOSA GE S-6000 YDM ELECTRIC STARTER STAGE 5

Reference:

### MOSA GES-6000 YDM 5,1 KW

MOSA GES-6000 YDM single-phase 5.1 KW generator set with Yanmar diesel engine. The MOSA GES-6000 YDM generator set is equipped with electric start. The alternator of the MOSA GES-6000 YDM generator set is synchronous, single phase, self-excited, self-regulated and brushless with class H insulation.

This MOSA is compact and convenient to maneuver and transport thanks to its compact size, its weight of 123 kg as well as its practical tubular handles. Generator set with partial cowling to reduce noise emissions.

The MOSA GES-6000 YDM generator set with 20-liter tank has a fuel consumption of 1 liter/hour at 75% load for up to 20 hours of autonomy.

#### Sockets:

1x230V 32A 2P+T CEE

1x230V 16A 2P+T CEE

1x230V 16A 2P+T Schuko

#### Technical specifications MOSA GES-6000 YDM:

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

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

Frequency: 50 Hz

Cos φ: 0.9

#### MOTOR TECHNICAL DATA

Model: YANMAR L100N

Net stand-by output: 6.5 kWm (8.8 hp)

Net PRP output: 5.7 kWm (7.7 hp)

Cylinders / Displacement: 1 / 435 cm<sup>3</sup>

Bore / Stroke: 86 / 75 (mm)

Compression Ratio: 20 : 1

RPM Control: Mechanical

110 % (Stand-by Power): 1.5 lt./h

100 % PRP: 1.3 lt./h

75 % PRP: 1 lt./h

50 % PRP: 0.8 lt./h

Cooling system: Air

Sump oil capacity: 1.6 lt.

Maximum back pressure: 4.3 kPa

Electrical system: 12 Vdc (AE)

Starter motor power: 0.8 kW

Battery charge alternating capacity: 15 A  
Cold start: 0°C

#### Alternator TECHNICAL DATA

Continuous power: 6 kVA  
Standby power: 6.6 kVA  
Single-phase voltage: 230 Vac  
Frequency: 50 Hz  
Cos  $\phi$ : 1  
Voltage regulation accuracy:  $\pm 5\%$   
Sustained short-circuit current: 3 In  
Transient Cdt (100% of load):  $< 15\%$   
Efficiency at 100% of load: 77.5% (230V - Cos  $\phi$  1)  
Insulation: Class H  
Connection - Terminals: Series - N°4  
Electromagnetic Compatibility (Radio Interference Suppression): EN55011  
Harmonic Distortion - THD:  $< 6\%$   
Protection Class: IP 23  
Cooling Air Flow: 0.06/ m<sup>3</sup>/sec  
Coupling - Bearings: Direct J609b - N°1

#### GENERAL SPECIFICATIONS

Tank capacity: 20 lt.  
Autonomy (75% of PRP): 20 h  
Starting battery: 12 Vdc -18Ah (AE)  
Measured acoustic power LwA: 99 dB(A) (74 dB(A) @ 7m)  
Performance class: G2  
Length: 770 mm  
Width: 520 mm  
Height: 650 mm  
Weight: 123 Kg

#### Features:

- Electric start
- Engine stop for low oil level
- Circuit breaker
- Fuel level indicator
- Differential switch or insulation monitor (optional)
- Fully protective and partially enclosed stretcher
- Portable
- Complies with EC safety directives
- AVR version on request
- Electric start on request

If you are looking for another product like the MOSA GES-6000 YDM then you can browse our catalog for more [terrestrial 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 - 1 x 230V 16A 2P+T CEE - 1 x 230V 16A 2P+T SCHUKO
Engine	YANMAR L 100 V
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Speed governor	Mechanical
Starting system	Elettrico
Engine capacity (cm <sup>3</sup> )	435
Number cylinders	1
Oil capacity (L)	1.6
Cooling	Air
Alternator	Synchronous self-excited, self-regulated
Bore x stroke (mm)	86 x 75