



MOSA GE S-6500 YDT STAGE 5 ELECTRIC STARTER

Reference: CK5P8011

MOSA GES-6500 YDT 5,2 KW

MOSA GES-6500 YDT is a three-phase generating set with a YANMAR L100N diesel engine capable of delivering a power of 5.2 KW. The MOSA GES-6500 YDT generating set is equipped with electric start complete with battery. The alternator of the MOSA GES-6500 YDT generator set is synchronous, three-phase, self-excited, self-regulated and brushless with class H insulation.

MOSA is compact and convenient to maneuver and transport thanks to its compact size, its weight of 137 kg as well as its practical tubular handles. Generator set with partial cowling to reduce noise emissions.

The MOSA GES-6500 YDT generator set with 20-liter tank has a fuel consumption of 1 liter/hour at 75% load for a range of up to 20 hours.

Sockets:

1x 400V 16A 3P+N+T CEE
1x 230V 16A 2P+T CEE
1x 230V 16A 2P+T Schuko

Technical specifications MOSA GES-6500 YDT:

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

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

Single-phase output PRP 4 kW / 230 V / 17.4A

Frequency: 50 Hz

Cos ϕ : 0.8

MOTOR TECHNICAL DATA

Model: YANMAR L100N

Net standby output: 6.5 kWm (8.8 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): 1.5 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

TECHNICAL DATA ALTERNATOR

Continuous power: 7 kVA
Standby power: 7.7 kVA
Single-phase voltage: 400 Vac
Frequency: 50 Hz
Cos ϕ : 0.8
Voltage regulation accuracy: $\pm 4\%$
Sustained short circuit current: 3 In
Transient Cdt (100% load): $< 15\%$
Efficiency at 100% load: 80.5% (400V - Cos ϕ 0.8)
Isolation: Class H
Connection - Terminals: Series - No. 6
Electromagnetic Compatibility (Radio Interference Suppression): EN55011
Harmonic Distortion - THD: $< 4\%$
Direct Synchronous - Xd: 270 %
Direct Transitory - X'd: 20 %
Direct Subtransitory - X''d: 6.5 %
Synchronous in quad. - Xq: 150 %
Transitory - T'd: 33 ms
Subtransitory - T''d: 5.5 ms
Unloaded - T'do: 450 ms
Short-circuit ratio Kcc: 0.60
Protection class: IP 23
Cooling air flow: 0.062/m³/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)
Acoustic power measured LwA: 99 dB(A) (74 dB(A) @ 7m)
Performance class: G2
Length: 770 mm
Width: 520 mm
Height: 650 mm
Weight: 137 Kg

MOSA GES-6500 YDT portable generator set - Yanmar diesel engine electric start - Three-phase alternator - Three-phase power 5.7 kVA (4.6 kW)

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 CE safety directives
- AVR version on request

If you are looking for another product like the MOSA GES-6500 YDT generator set then you can browse our catalog for more [terrestrial generator sets](#).

Images and technical data are not binding.

Technical Sheet

Phase	Single phase / Three phase
Continuous power single phase (KW)	3.2
Continuous power single phase (KVA)	4
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 - 1 x 230V 16A 2P+T CEE - 1 x 230V 16A 2P+T SCHUKO
Engine	Yanmar L100V
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Speed governor	Mechanical
Starting system	Electric
Engine capacity (cm ³)	435
Number cylinders	1
Oil capacity (L)	1.6
Cooling	Air
Alternator	Synchronous self-excited, self-regulated
Bore x stroke (mm)	86 x 75
Fuel tank capacity (L)	20
Consumption (L/h)	1
Running time (h)	20
Acoustic power	99 dB(A)
Acoustic pressure	74 dB(A) at 7 m
Length (mm)	770
Width (mm)	520
Height (mm)	650
Dry weight (Kg)	137

Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	Compound / AVR (optional)
Engine manufacturer	Yanmar
