



MOSA GE 6500 YDT STAGE 5

Reference: CK0P4000

MOSA GE6500 YDT 5,2 KW

MOSA GE6500 YDT three-phase generating set with Yanmar 4-stroke diesel engine, capable of delivering a power of 5.2 KW with direct injection and natural aspiration. The MOSA GE6500 YDT generating set is equipped with manual recoil starter. The alternator of the MOSA GE6500 YDT generator set is synchronous, three-phase, self-excited, self-regulated with class H insulation.

MOSA is compact and convenient to maneuver and transport thanks to its compact size, its weight of 97 kg as well as the practical tubular handles.

The MOSA GE6500 YDT generator set with 5.5-liter tank has a fuel consumption of 1 liter/hour at 75% load for an autonomy of up to 5 hours.

The control panel is composed of:

- Output sockets: 1x 400V 16A 3P+N+T CEE / 1x 230V 16A 2P+T CEE
- Voltmeter
- Thermomagnetic circuit breaker
- Earth terminal (PE)

Technical specifications MOSA GE6500 YDT:

Three-phase Stand-by Output (LTP): 6.5 kVA (5.2 kW) / 400V / 9.3A

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

Single-phase PRP Output: 4 kVA / 230V / 17.3A

Frequency: 50 Hz

Cos φ: 0.8

ENGINE TECHNICAL DATA

Model: YANMAR L 100 N

Net stand-by output: 6.5 kWm (8.8 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 Adjuster: Mechanical

110 % (Stand-by Power): 200 g/kWh - 1.5 lt./h

100 % PRP: 200 g/kWh - 1.3 lt./h

75 % PRP: 200 g/kWh - 1 lt./h

50 % PRP: 220 g/kWh - 0.75 lt. /h

Cooling system: Air

Oil capacity in sump: 1.6 lt.

Maximum back pressure: 3.3 kPa (0.033 bar - 330 mmH₂O)
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: ± 4 %
Sustained short-circuit current: 3 In
Transient Cdt (100 % of load): 15 %
Yield at 100 % of load: 80.5 % (400V - Cos ϕ 1)
Isolation: Class H
Connection - Terminals: Series - No. 6
Electromagnetic Compatibility (Radio Interference Suppression): EN55011
Harmonic Distortion - THD: < 4 %
Direct Synchronous - X_d: 270 %
Direct Transit - X'_d: 20 %
Direct Subtransit - X''_d: 20 %
Quad Synchronous. - X_q: 150 %
Transitory - T'_d: 33 ms
Subtransitory - T''_d: 5.5 ms
Unloaded - T'_{do}: 450ms
Kcc short-circuit ratio: 450ms
Protection class: IP 23
Cooling air flow: 0.062/m³/sec
Coupling - Bearings: Direct J609b - N°1

GENERAL SPECIFICATIONS

Tank capacity: 5.5 lt.
Run time (75% of PRP): 5.5 h
Measured acoustic power L_{WA} (L_{pA} pressure): 99 dB(A) (74 dB(A) @ 7m)
Performance class: G2
Length: 770 mm
Width: 520 mm
Height: 650 mm
Weight: 97 Kg

MOSA GE6500 YDT portable generator set - Yanmar diesel engine recoil start - Three-phase alternator - Three-phase power 5.7 kVA (4.6 kW)

Features:

- Recoil start
- Motor complete with tank and muffler
- Magnetothermal switch
- LED voltmeter
- Fully protective open stretcher
- Portable
- Complies with CE safety directives

If you are looking for another product like the MOSA GE6500 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	2 x 230V 16A CE
Engine	YANMAR L 100 V Stage 5
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Speed governor	Mechanical
Ignition	Recoil
Starting system	Pull starter
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
Compression ratio	