



# MOSA GE 45 YSX STAGE 3A

**Product price:**

**13.134,29 € tax excluded**

## **Product description:**

MOSA GE45 YSX 36,8 KW generating set

MOSA GE45 YSX three-phase 36.8 KW generator set with Yanmar diesel engine. The MOSA GE45 YSX generator set is equipped with electric start. The alternator of the MOSA GE45 YSX generator set is synchronous, three-phase, self-excited, self-regulated, brushless with class H insulation with AVR voltage regulator. This MOSA is compact and easy to maneuver and transport thanks to its compact size, with a weight of 1020 Kg as well as the practical pierceable base. The MOSA GE45 YSX generator set with a 100-liter fuel tank has a fuel consumption of 7.4 liters/hour at 75% load for an autonomy of more than 13 hours.

Specifically, the MOSA GE45 YSX is a compact and easy to maneuver and transport thanks to its compact size, weighing 1020 kg and its practical forked base.

## **Technical specifications:**

Three-phase Stand-By Output (LTP): 46 kVA (36.8 kW) / 400V / 66.4 A

Three-phase Output: 42 kVA (33.6 kW) / 400V / 60.6 A

Frequency: 50 Hz

Cos φ: 0.8

## **ENGINE TECHNICAL DATA**

Model: YANMAR 4TNV98T-Z Stage 3A

Net standby output: 41.9 kW (57 hp)

Net PRP output: 37.9 kW (51.5 hp)

Cylinders / Displacement: 4 / 3.3. l

Bore / Stroke: 98 / 110 (mm)

Compression ratio: 18.5 : 1

RPM controller: Electronic

110 % (Standby power): 11 l/h

100 % PRP: 9.8 l/h

75 % PRP: 7.4 l/h





50 % PRP: 5.1 l/h  
Total capacity - engine only: 9 l - 4. 2 l  
Fan air flow rate: 70 m<sup>3</sup>/min  
Sump oil capacity: 4.5 l (min) - 11.2 l (max)  
Max. exhaust gas temperature: 620 °C  
Max. back pressure: 9.8 kPa (0. 1 bar)  
Electrical system: 12 Vdc  
Starter motor power: 2.3 kW  
Battery charging alternator capacity: 40 A  
Cold start: - 15°C  
Air filter: Dry  
Combustion air flow: 3.2 m<sup>3</sup>/min

#### TECHNICAL DATA ALTERNATOR

Continuous power: 47 kVA  
Stand-by power: 42 kVA  
Three-phase voltage: 380-415 Vac  
Frequency: 50 Hz  
A.V.R. model: HVR-30 (3ph. sensing)  
Voltage regulation accuracy: ± 1 %  
Sustained short-circuit current: 3 In  
Transient Cdt (100% of load): 10 %  
Response time: ? 3 sec.  
Performance at 100% of load: 89. 3 % (400V - Cos ? 0. 8)  
Isolation: Class H  
Connection - Terminals: Star - No. 12  
Electromagnetic compatibility: EN 55011  
Harmonic distortion - THD: Telephone Interference - THF: Direct Synchronous - Xd: 253 %  
Direct Transit - X'd: 20 %  
Direct Subtransit - X "d: 8 %  
Synchronous Quad. - Xq: 141 %  
Transitory - T'd: 0.014 sec  
Subtransitory - T "d: 0.008 sec  
Unloaded - T'do: 0.180 sec  
Short circuit ratio Kcc: 0. 60  
Protection degree: IP 23  
Cooling air flow: 0.13 m<sup>3</sup>/sec.  
Coupling | Bearings: Direct SAE 3 -11.5 ½ - N°1

#### GENERAL SPECIFICATIONS

Tank capacity: 100 lt.  
Run time (75% of PRP): 13. 5 h  
Measured acoustic power LwA: 90 dB(A) (65 dB(A) @ 7m)  
Guaranteed acoustic power LwA: 91 dB(A) (66 dB(A) @ 7m)  
Performance class: G3





Length: 2050 mm  
Width: 900 mm  
Height: 1420 mm  
Weight: 1020 kg

MOSA GE45 YSX - Yanmar diesel engine electric start - Three-phase alternator - Three-phase power 42 kVA (33.6 kW)

If you are looking for another product like the MOSA GE45 YSX generator set then you can browse our catalog for more land based generator sets.

Images and technical data are not binding.

**Product features:**

Phase: Single phase / Three phase  
Continuous power single phase (KW): 12.4  
Continuous power single phase (KVA): 15.5  
Maximum power three phase (KW): 36.8  
Continuous power three phase (KW): 33.6  
Maximum power three phase (KVA): 46  
Continuous power three phase (KVA): 42  
Fuel: Diesel  
Frequency (Hz): 50  
Voltage (V): 230 / 400  
Sockets configuration: Terminal box  
Engine: Yanmar 4TNV98TZ (Stage 3A)  
Emissions Regulations: Stage 3A  
Engine rpm (rpm): 1500  
Starting system: Electric  
Engine capacity (cm<sup>3</sup>): 3319  
Number cylinders: 4  
Cooling: Water  
Inyección : Direct  
Alternator: Sincrono trifase, autoeccitato, autoregolato, senza spazzole  
Product type: Generator  
ATS Switch device : Optional  
Voltage regulator: AVR  
Engine manufacturer: Yanmar

