



## MOSA GE 45 YSX STAGE 3A

Reference: CF1CA051

### 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 GE45 YSX generator set 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: < 3 %  
 Telephone Interference - THF: < 2 %  
 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 I 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.

**Technical Sheet**

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 ATS
Voltage regulator	AVR
Engine manufacturer	Yanmar