

# MOSA GE 50 PSSX



**Product price:**

**14.425,00 € tax excluded**

## Product description:

MOSA GE50 PSSX 40,8 KW

MOSA GE50 PSSX threephase 40,8 KW generator set with Perkins diesel engine. The MOSA GE50 PSSX generator set is equipped with electric start. The alternator of the MOSA GE50 PSSX generator set is synchronous, three-phase, self-excited, self-regulated, brushless with class H insulation with AVR voltage regulator.

This MOSA GE50 PSSX genset is compact and convenient to maneuver and transport thanks to its compact size, 1100 kg weight as well as its practical pierceable base. The MOSA GE50 PSSX generator set with a 100-liter fuel tank has a fuel consumption of 8.2 liters/hour at 75% load for an autonomy of 12 hours.

## Technical specifications:

Threephase Stand-By (LTP) output: 51 kVA (40.8 kW) / 400V / 73.6 A

Threephase output: 46 kVA (36.8 kW) / 400V / 66.4 A

Singlephase output: 17 kVA / 230V / 73.9 A

Frequency: 50 Hz

Cos  $\phi$ : 0.8

## ENGINE TECHNICAL DATA

Model: PERKINS 1103A-33TG1

Cylinders / Displacement 3 / 3300 cm<sup>3</sup> (3.3 lt.)

Bore / Stroke 105 / 127 (mm)

Compression ratio 17.25 : 1

Net Stand-by Output 45.6 kWm (62 hp)

Net PRP Output 41.3 kWm (56.2 hp)

BMEP (Effective Average Pressure: 1128 kPa - 1023 kPa

RPM Regulator: Mechanical

110 % (Stand-by Power): 219 g/kWh - 12 lt./h  
100 % PRP: 217 g/kWh - 10.7 lt. /h  
75 % PRP: 220 g/kWh - 8.2 lt./h  
50 % PRP: 264 g/kWh - 5.7 lt./h  
Total capacity - motor only: 10.2 lt - 4.4 lt.  
Fan air flow: 53 m<sup>3</sup>/min  
Total oil capacity: 8.3 lt  
Sump oil capacity: 6.2 lt, ÷ 7.8 lt  
Full load oil consumption: Max. exhaust gas flow rate: 7.7 m<sup>3</sup>/min  
Max. exhaust gas temperature: 537 °C  
Max. back pressure 10 kPa (0.10 bar)  
Electrical system: 12 Vdc  
Starter motor power: 3 kW  
Battery charging alternator capacity: 65 A  
Cold start: - 10°C  
With cold start device: - 25 °C  
Air filter: Dry  
Combustion air flow: 3. 1 m<sup>3</sup>/min  
From flue gas: 35 kW - 1992 Btu/min.  
From water and oil: 30 kW - 1707 Btu/min  
Fired to the environment: 8 kW - 455 Btu/min.

#### TECHNICAL DATA ALTERNATOR

Continuous power: 50 kVA  
Stand-by power: 55 kVA  
Three-phase voltage: 380-415 Vac  
Frequency: 50 Hz  
Cos  $\phi$ : 0.8  
A.V.R. model: HVR-30 (3ph. sensing)  
Voltage regulation accuracy:  $\pm 1$  %  
Sustained short-circuit current: 3 I<sub>n</sub>  
Transient Cdt (100% of load): 10 %  
Response time: ? 3 sec.  
Efficiency at 100% load: 89.4 % (400V - Cos  $\phi$  0. 8)  
Isolation: Class H  
Connection - Terminals: Star - No. 12  
Electromagnetic compatibility: EN55011  
Harmonic distortion - THD: Telephone Interference - THF: Direct Synchronous - X<sub>d</sub>: 255 %  
Direct Transit - X'<sub>d</sub>: 20 %  
Direct Subtransit - X''<sub>d</sub>: 7 %  
Synchronous Quad. - X<sub>q</sub>: 146 %  
Transitory - T'<sub>d</sub>: 0.014 sec  
Subtransitory - T''<sub>d</sub>: 0.009 sec  
Unloaded - T'<sub>do</sub>: 0.188 sec  
Short circuit ratio K<sub>cc</sub>: 0.62

Cooling air flow: 0.17 m<sup>3</sup>/sec.  
Coupling | Bearings: Direct 3 -11 ½ - N°1

### GENERAL SPECIFICATIONS

Tank capacity: 100 lt.  
Autonomy (75% of PRP): 12 h  
Acoustic power measured LwA: 90 dB(A) (65 dB(A) @ 7m)  
Guaranteed acoustic power LwA: 91 dB(A) (66 dB(A) @ 7m)  
Performance class: G2  
Length: 2050 mm  
Width: 900 mm  
Height: 1420 mm  
Weight: 1100 Kg

MOSA group - Perkins diesel engine electric start - Threephase alternator - Threephase power 46 kVA (36.8 kW)

If you are looking for another product like MOSA GE50 PSSX generator set then you can check other land based generator sets in our catalog.

Images and technical data are not binding.

### Product features:

Phase: Single phase / Three phase  
Continuous power single phase (KW): 13.6  
Continuous power single phase (KVA): 17  
Maximum power three phase (KW): 40.8  
Continuous power three phase (KW): 36.8  
Maximum power three phase (KVA): 51  
Continuous power three phase (KVA): 46  
Fuel: Diesel  
Frequency (Hz): 50  
Voltage (V): 230 / 400  
Engine: PERKINS 1103A-33TG1, 4 stroke turbocharged  
Emissions Regulations: Stationary Use  
Engine rpm (rpm): 1500  
Starting system: Electric  
Engine capacity (cm<sup>3</sup>): 3300  
Number cylinders: 3  
Cooling: Water  
Alternator: Sincrono trifase, autoeccitato, autoregolato, senza spazzole  
Product type: Generator

---

ATS Switch device : Optional  
Voltage regulator: AVR  
Engine manufacturer: Perkins