

# 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 φ: 0.8  
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.  
Efficiency at 100% load: 89.4 % (400V - Cos φ 0. 8)  
Isolation: Class H  
Connection - Terminals: Star - No. 12  
Electromagnetic compatibility: EN55011  
Harmonic distortion - THD: Telephone Interference - THF: Direct Synchronous - Xd: 255 %  
Direct Transit - X'd: 20 %  
Direct Subtransit - X "d: 7 %  
Synchronous Quad. - Xq: 146 %  
Transitory - T'd: 0.014 sec  
Subtransitory - T'd: 0.009 sec  
Unloaded - T'do: 0.188 sec  
Short circuit ratio Kcc: 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