



MOSA GE 50 PS-SX

Reference: CJ4CA051

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 φ: 0.8

ENGINE TECHNICAL DATA

Model: PERKINS 1103A-33TG1
Cylinders / Displacement 3 / 3300 cm³ (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 m³/min
Total oil capacity: 8.3 lt
Sump oil capacity: 6.2 lt, ± 7.8 lt
Full load oil consumption: < 016 lt./h
Max. exhaust gas flow rate: 7.7 m³/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 m³/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: < 3 %
Telephone Interference - THF: < 2 %
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 m³/sec.
Coupling I 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.

Technical Sheet

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 ³)	3300
Number cylinders	3
Cooling	Water
Alternator	Sincrono trifase, autoeccitato, autoregolato, senza spazzole
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Perkins