



Shop name



# MOSA GE 20 PSX

Product price:

**10,347.76 € tax excluded**

## Product description:

### MOSA GE20 PSX 17,6 KW generating set

MOSA GE20 PSX three-phase 17.6 KW generator set with Perkins diesel engine. The MOSA GE20 PSX is equipped with electric start. The alternator of the MOSA GE20 PSX generator set is synchronous, three-phase, self-excited, self-regulated, brushless with class H insulation with AVR voltage regulator.

This MOSA generator set is compact and convenient to maneuver and transport thanks to its compact size, with a weight of 650 kg in addition to the practical pierceable base.

The MOSA GE20 PSX generator set with 60-liter tank has a fuel consumption of 4 liters/hour at 75% load for a 15-hour autonomy.

## Sockets:

1x 400V 32A 3P+N+T CEE

1x 400V 16A 3P+N+T CEE

2x 230V 16A 2P+T CEE

## Technical specifications MOSA GE20 PSX:

Three-phase output Stand-by (LTP): 22 kVA (17.6 kW) / 400V / 31.8 A

Three-phase output PRP: 20 kVA (16 kW) / 400V / 28.9 A

Single-phase output PRP: 7 kVA / 230V / 30.4A

Frequency: 50 Hz

Cos  $\phi$ : 0.8

## MOTOR TECHNICAL DATA

Model: PERKINS - 404A-22G1

Net standby output: 20.3 kWm (27.6 hp)

Net PRP output: 18.4 kWm (25 hp)

Cylinders / Displacement: 4/ 2216 cm<sup>3</sup>



---

Bore / Stroke: 84 / 100 (mm)  
Compression Ratio: 23.3 : 1  
BMEP (Mean Effective Pressure: 743. 7 kPa - 669.3 kPa  
RPM Controller: Mechanical  
110 % (Standby Power): 6.1 lt./h  
100 % PRP: 5.3 lt./h  
75 % PRP: 4 lt./h  
50 % PRP: 2.9 lt./h  
Cooling System: Liquid  
Total Capacity - Engine Only: 7 lt - 3. 6 lt  
Fan air flow rate: 40.2 m<sup>3</sup>/min  
Sump oil capacity: 10.3 lt  
Maximum exhaust gas flow rate: 3. 94 m<sup>3</sup>/min  
Maximum exhaust gas temperature: 505 °C  
Maximum back pressure: 10.2 kPa (0.102 bar)  
Electrical system: 12 Vdc  
Starter motor power: 2 kW  
Alternating capacity. battery charge: 55 A  
Cold start: - 15 °C  
Combustion air flow: 1.45 m<sup>3</sup>/min  
From exhaust gas: 16.6 kW - 944 Btu/min.  
From water and oil: 19.6 kW - 1114 Btu/min.  
From environment: 4.4 kW - 250 Btu/min.

#### TECHNICAL DATA ALTERNATOR

Continuous power: 20 kVA  
Standby power: 23 kVA  
Single-phase voltage: 380-415 Vac  
Frequency: 50 Hz  
Cos  $\phi$ : 0. 8  
Voltage regulation accuracy:  $\pm 1$  %  
Sustained short circuit current: 2.5 In  
Transient Cdt (100% load): 10 %  
Response time:  $\approx 3$  sec.  
Efficiency at 100% load: 86. 1 % (400V - Cos  $\phi$  0.8)  
Isolation: Class H  
Connection - Terminals: Series - No. 12  
Electromagnetic compatibility: EN55011  
Harmonic distortion - THD: 3 %  
Direct synchronous - Xd: 242 %  
Direct transistor - X'd: 19 %  
Direct subtransistor - X "d: 9 %  
Synchronous in quad. - Xq: 133 %  
Transitory - T'd: 0.007 sec  
Subtransitory - T "d: 0.005 sec

---



Unloaded - T'do: 0.103 sec  
Short circuit ratio Kcc: 0.57  
Protection Class: IP 23  
Cooling air flow: 0. 1 m<sup>3</sup>/sec.  
Coupling - Bearings: Direct SAE 4 -7 ½ - N°1  
Voltage controller: AVR  
A.V.R. model: HVR-30 (3ph. sensing)

#### GENERAL SPECIFICATIONS

Tank capacity: 60 lt  
Range of autonomy (75% of PRP): 15 h  
Starting battery: 12 Vdc -80 Ah  
Metered acoustic power LwA: 90 dB(A) (65 dB(A) @ 7m)  
Guaranteed acoustic power LwA: 91 dB(A) (66 dB(A) @ 7m)  
Performance class: G2  
Length: 1720 mm  
Width: 980 mm  
Height: 1110 mm  
Weight: 650 kg

MOSA GE20 PSX - Perkins diesel engine electric start - Three-phase alternator - Three-phase power 20 kVA (16 kW)

#### Features:

- Combined regulation with: AVR and Compound electronic voltage regulator
- Fully openable motor-side enclosure that facilitates all maintenance operations
- Recessed control panel can be closed by padlock, It houses the sockets and controls of the machine
- Central lifting hook
- Supersilenced
- Prepared for use with automatic EAS (AMF + ATS)
- Complies with EC directives for noise and safety

If you are looking for another product like the generator set MOSA GE20 PSX then you can see on our catalog other [terrestrial generators](#).

Images and technical data are not binding.

#### Product features:

Phase: Single phase / Three phase  
Continuous power single phase (KW): 5.6  
Continuous power single phase (KVA): 7

---



Maximum power three phase (KW): 17.6

Continuous power three phase (KW): 16

Maximum power three phase (KVA): 22

Continuous power three phase (KVA): 20

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 230 / 400

Sockets configuration: 1 x 400V 32A 3P+N+T CEE - 1 x 400V 16A 3P+N+T CEE - 2 x 230V 16A 2P+T CEE

Engine: PERKINS 404A-22G1, 4 stroke naturally aspirated

Emissions Regulations: Stationary Use

Engine rpm (rpm): 1500

Starting system: Electric

Engine capacity (cm<sup>3</sup>): 2216

Number cylinders: 4

Cooling: Water

Inyección : Indirect

Alternator: Sincrono trifase, autoeccitato, autoregolato, senza spazzole

Product type: Generator

ATS Switch device : Optional

Voltage regulator: AVR

Engine manufacturer: Perkins