



# MOSA GE 110 FSX Three-phase generator 110 kVA AVR - stage 3a engine

**Product price:**

**23.899,25 € tax excluded**

## **Product description:**

MOSA GE110 FSX 88 KW generating set

MOSA GE110 FSX threephase 88 KW generator set with Iveco diesel engine. The MOSA GE110 FSX generator set is equipped with electric start. The alternator of the MOSA GE110 FSX generator set is synchronous, threephase, self-excited, self-regulated, brushless with class H insulation with AVR voltage regulator.

This MOSA is compact and convenient to maneuver and transport thanks to its compact size, weighing 1670 kg in addition to its practical drilled base.

## **Technical specifications MOSA GE110 FSX:**

Threephase Stand-by Output (LTP): 110 kVA (88 kW) / 400V / 159A

Threephase PRP Output: 100 kVA (80 kW) / 400V / 144A

Threephase COP Output: 81.5 kVA (65.2 kW) / 400V / 117.6A

Frequency: 50 Hz

Cos  $\phi$ : 0.8

### **ENGINE TECHNICAL DATA**

Model: Iveco FPT NEF45 TE2F

Net stand-by output: 98 kW (133 hp)

Net PRP output: 89 kW (121 hp )

Net COP output: 71 kW (97 hp )

Cylinders / Displacement: 4 / 4500 cm<sup>3</sup> (4. 5 lt.)

Bore / Stroke: 104 / 132 (mm)

Compression ratio: 17.5 : 1

BMEP (Effective average pressure: 1777 kPa - 1617 kPa

RPM controller: Electronic

110 % (Stand-by power): 24. 8 lt./h - 208.5 g/kWh





100 % PRP: 22.8 lt./h - 210.7 g/kWh

75 % PRP: 17.5 lt./h - 215.4 g/kWh

50 % PRP: 13.4 lt./h - 225. 4 g/kWh

Cooling system: Liquid

Total capacity - engine only: 10 lt - 8.5 lt.

Fan air flow: 132 m<sup>3</sup>/min.

Total oil capacity: 12.8 l

Oil capacity in sump: 8.5 lt. ÷ 5.5 lt.

Oil consumption at full load: Maximum exhaust gas flow: 9,1 kg/mim.

Maximum exhaust gas temperature: 460 °C

Maximum back pressure: 5 kPa (0.05 bar)

Electrical system: 12 Vdc

Starter motor power: 3 kW

Alternating capacity. battery charge: 90 A

Cold start: - 10 °C

With cold start device: - 25°C

Air filter: Dry

Combustion air flow: 7. 4 m<sup>3</sup>/min

#### TECHNICAL DATA ALTERNATOR

Continuous power: 105 kVA

Standby power: 116 kVA

Three-phase voltage: 380 - 415 Vac

Frequency: 50 Hz

Cos ? : 0.8

A.V.R. model. : MARK V

Voltage regulation accuracy: ± 0.5 %

Sustained short-circuit current: 3 In

Transient Cdt (100% of load): Response time: Yield at 100% load: 91.8 % (400V - Cos ? 0. 8)

Isolation: Class H

Connection - Terminals: Star - No. 12

Electromagnetic Compatibility: EN 55011

Harmonic Distortion - THD: Telephone Interference - THF: Direct Synchronous - Xd: 275 %

Direct Transitory - X'd: 21 %

Direct Subtransitory - X "d: 9. 9 %

Synchronous in quad. - Xq: 150 %

Subtrans. in quadrature - X'q: 10.9 %

Of reverse sequence - X2: 10.4 %

Of zero sequence - X0: 2.2 %

Transitory - T'd: 0.078 sec

Subtransitory - T'd: 0.006sec

Avoid - T'do: 0. 95 sec

Unidirectional - Ta / Armatures - Ta: 0.006 sec

Short-circuit ratio Kcc: 0.4

Protection class: IP 23





Cooling air flow rate: 0.31 m<sup>3</sup>/sec.

Coupling | Bearings: Direct SAE 3 -11 ½ - No. 1

#### GENERAL SPECIFICATIONS

Tank capacity: 230 lt.

Autonomy (75% of PRP): 13 h

Acoustic power measured LwA: 92 dB(A) (67 dB(A) @ 7m)

Acoustic power guaranteed LwA: 94 dB(A) (69 dB(A) @ 7m)

Performance class: G3

Length: 2630 mm

Width: 1130 mm

Height: 1750 mm

Weight: 1670 Kg

MOSA GE110 FSX - Iveco diesel engine electric start - Three-phase alternator - Threephase power 100 kVA (80 kW)

If you are looking for another product like MOSA GE110 FSX generator set then you can check other ground generators in our catalog.

Images and technical data are not binding.

#### Product features:

Phase: Single phase / Three phase

Maximum power three phase (KW): 88

Continuous power three phase (KW): 65.2

Maximum power three phase (KVA): 110

Continuous power three phase (KVA): 81.5

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 230 / 400

Engine:

Emissions Regulations: Stage 3A

Engine rpm (rpm): 1500

Speed governor: Electronic

Starting system: Electric

Engine capacity (cm<sup>3</sup>): 4500

Number cylinders: 4

Oil capacity (L): 12.8

Cooling: Water

Inyección : Direct

Alternator: Three-phase synchronous self-excited, self-regulated, brushless





Bore x stroke (mm): 104 x 132  
Fuel tank capacity (L): 230  
Consumption (L/h): 17.5 at 75% of the load  
Running time (h): 13 at 75% of the load  
Acoustic power: 94 dB(A)  
Acoustic pressure: 69 dB(A) at 7 m  
Length (mm): 2630  
Width (mm): 1130  
Height (mm): 1750  
Dry weight (Kg): 1670  
Silenced: Yes  
Super silenced: Yes  
Product type: Generator  
ATS Switch device : Optional  
Voltage regulator: AVR  
Engine manufacturer: FPT Iveco