



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

Reference: CL7J6056

### 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: < 0.023 l/h  
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  $\phi$ : 0.8  
A.V.R. model. : MARK V  
Voltage regulation accuracy:  $\pm$  0.5 %  
Sustained short-circuit current: 3 In  
Transient Cdt (100% of load): < 20 %  
Response time: < 0. 3 sec  
Yield at 100% load: 91.8 % (400V - Cos  $\phi$  0. 8)  
Isolation: Class H  
Connection - Terminals: Star - No. 12  
Electromagnetic Compatibility: EN 55011  
Harmonic Distortion - THD: < 2 %  
Telephone Interference - THF: < 2 %  
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 I 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.

## Technical Sheet

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 ATS
Voltage regulator	AVR
Engine manufacturer	FPT Iveco

---