



## MOSA GE 275 FSX IVECO FPT C87 TE3F

Reference: CH7J7056

### MOSA GE275 FSX 220 KW

MOSA GE275 FSX three-phase 220 KW generator set with Iveco diesel engine. The MOSA GE275 FSX generator set is equipped with electric start. The alternator of the MOSA GE275 FSX generator set is synchronous, three-phase, 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, with a weight of 3500 kg in addition to its practical pierceable base. The MOSA GE275 FSX generator set with 425-liter fuel tank has a fuel consumption of 55 liters/hour at 75% load for a range of 10 hours.

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### Technical specifications:

Three-phase Stand-by (LTP) output: 275 kVA (220 kW) / 400 V / 397 A  
Three-phase PRP output: 250 kVA (200 kW) / 400 V / 361 A  
Three-phase COP output: 208 kVA (166.4 kW) / 400V / 300 A  
Frequency: 50 Hz  
Cos  $\phi$ : 0.8

#### ENGINE TECHNICAL DATA

Model: FPT C87 TE3F Stage 3A  
Cylinders / Displacement: 6/ 8700 cm<sup>3</sup> (8.7 lit.)  
Bore / Stroke: 117 / 135 (mm)  
Compression Ratio: 16.5 : 1  
Net standby output: 256 kW (348 hp)  
Net PRP output: 232 kW (315 hp)  
Net COP output: 185.5 kW (252 hp)  
BMEP (LTP - PRP effective average pressure): 2418 kPa - 2197 kPa  
RPM controller: Electronic  
110 % (Stand-by power): 209 g/kWh - 65.5 l/h  
100 % PRP: 215 g/kWh - 61.0 l/h  
75 % PRP: 220 g/kWh - 55 l/h  
50 % PRP: 230 g/kWh - 35.7 l/h  
Total capacity - motor only: 63 l - 15 l  
Fan air flow: 308.4 m<sup>3</sup>/min.  
Total oil capacity: 28 l  
Oil capacity in sump: 12.5 l (min) - 23 l (max)  
Full load oil consumption: < 0.12 lit./h

Max. exhaust gas flow rate: 21.41 kg/mim.  
Max. exhaust gas temperature: 488 °C  
Max. back pressure: 5 kPa (0.05 bar)  
Electrical system: 24 Vdc  
Starter motor power: 4.5 kW  
Battery charging alternator capacity: 90 A  
Cold start: - 10 °C  
With cold start device: - 25 °C  
Air filter: Dry  
Combustion air flow: 17.07 m<sup>3</sup>/min.

#### TECHNICAL DATA ALTERNATOR

Continuous power: 250 kVA  
Stand-by power: 275 kVA  
Three-phase voltage: 380-415 Vac  
Frequency: 50 Hz  
Cos φ: 0.8  
A.V.R. model.: MARK I  
Voltage regulation accuracy: ± 0.5 %  
Sustained short-circuit current: 3 I<sub>n</sub>  
Transient Cdt (100% of load): < 20 %  
Response time: < 0.3 sec  
Yield at 100% load: 93.4 % (400V - Cos φ 0.8)  
Isolation: Class H  
Connection - Terminals: Star - No. 12  
Electromagnetic Compatibility: EN55011  
Harmonic Distortion - THD: < 2 %  
Telephone Interference - THF: < 2 %  
Direct Synchronous - X<sub>d</sub>: 290 %  
Direct Transitory - X'<sub>d</sub>: 24.5 %  
Direct subtransitory - X''<sub>d</sub>: 11.5 %  
Synchronous quad. - X<sub>q</sub>: 140 %  
Subtransitory in quadrature - X'<sub>q</sub>: 12.7 %  
Of reverse sequence - X<sub>2</sub>: 12.1 %  
Of zero sequence - X<sub>0</sub>: 2.8 %  
Transitory - T'<sub>d</sub>: 0.098 sec  
Subtransitory - T'<sub>d</sub>: 0.011 sec  
Unidirectional - T'<sub>do</sub>: 1.02 sec  
Unidirectional - T<sub>a</sub> / Armatures - T<sub>a</sub>: 0.013 sec  
Short-circuit ratio K<sub>cc</sub>: 0.42  
Protection class: IP 23  
Cooling air flow rate: 0.42 m<sup>3</sup>/sec.  
Coupling I Bearings: Direct SAE 3 - 11 1/2 - No. 1

#### GENERAL SPECIFICATIONS

Tank capacity: 425 lt.  
Autonomy (75% of PRP): 10 h  
Acoustic power measured L<sub>WA</sub>: 95 dB(A) (70 dB(A) @ 7m)  
Acoustic power guaranteed L<sub>WA</sub>: 96 dB(A) (71 dB(A) @ 7m)  
Performance class: G3  
Length: 3750 mm  
Width: 1400 mm  
Height: 2030 mm  
Weight: 3500 Kg

MOSA GE275 FSX - Iveco diesel engine electric start - Three-phase alternator - Three-phase power 250 kVA (200 kW)

#### Features:

- Electronic voltage regulation AVR

- Version with STAGE 3A emission engine
- Sealed crankcase able to contain any leakage of liquids present in the engine avoiding environmental pollution
- Oil extraction pump
- Fuel pre-filter with water decanter
- Large access doors to allow easy maintenance (replacement of air, oil, fuel filters)
- Two central lifting hooks
- Control panel with digital control unit in Automatic or Manual version
- Ready for a wide range of equipment
- Supersilenced
- Complies with EC directives for noise and safety

If you are looking for another product like the generator set MOSA GE275 FSX then you can see on our catalog other [terrestrial generator sets](#).

Images and technical data are not binding.

## Technical Sheet

Phase	Three phase
Maximum power three phase (KW)	220
Continuous power three phase (KW)	200
Maximum power three phase (KVA)	275
Continuous power three phase (KVA)	250
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	400
Engine	FPT (IVECO) C87 TE3F, 4 stroke common rail, turbo-aftercooler
Emissions Regulations	Stage 3A
Engine rpm (rpm)	1500
Starting system	Electric
Engine capacity (cm <sup>3</sup> )	8700
Number cylinders	6
Cooling	Water
Inyección	Direct
Alternator	Sincrono trifase, autoeccitato, autoregolato, senza spazzole
Fuel tank capacity (L)	425
Consumption (L/h)	47.5 at 75% of the load
Running time (h)	9 at 75% of the load
Acoustic power	95 dB(A)
Acoustic pressure	70 dB(A) at 7 m
Length (mm)	3750
Width (mm)	1400

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Height (mm)	2030
Dry weight (Kg)	3500
Silenced	Yes
Super silenced	Yes
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	FPT Iveco

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