



MOSA GE 225 FSX IVECO FPT NEF67 TE2A

Reference: CH1K50562

MOSA GE225 FSX 180 KW generating set

MOSA GE225 FSX three-phase 180 KW generator set with Iveco diesel engine. The MOSA GE225 FSX generator set is equipped with electric start. The alternator of the MOSA GE225 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 due to its compact size, weighing 2800 kg as well as its practical pierceable base. The MOSA GE225 FSX generator set with 425-liter fuel tank has a fuel consumption of 37.3 liters/hour at 75% load for a 12-hour runtime.

Technical Specifications:

Three-phase Stand-by (LTP) output: 225 kVA (180 kW) / 400V / 324.7 A

Three-phase PRP output: 205 kVA (164 kW) / 400V / 296.2 A

Three-phase COP output: 165 kVA (132 kW) / 400V / 238.4 A

Frequency: 50 Hz

Cos φ: 0.8

ENGINE TECHNICAL DATA

Model: FPT IVECO N67 TE3F Stage 3A

Net standby output: 195 kW (265 hp)

Net PRP output: 175 kW (238 hp)

Net COP output: 140 kW (190 hp)

Cylinders / Displacement: 6 / 6700 cm³ (6.7 lt.)

Bore / Stroke: 104 / 132 (mm)

Compression Ratio: 17.5 : 1

BMEP (Effective Average Pressure LTP - PRP): 2328 kPa - 2089 kPa

RPM Controller: Electronic

110 % (Stand-by Power): 205 g/kWh - 49 l/h

100 % PRP: 211 g/kWh - 45.5 l/h

75 % PRP: 243 g/kWh - 41.9 l/h

50 % PRP: 250 g/kWh - 29.9 l/h

Total capacity - motor only: 25.5 lt - 10.5 lt

Fan air flow: 228 m³/min.

Total oil capacity: 17 lt

Sump oil capacity: 8 lt + 15 lt

Full load oil consumption: < 0.05 lt./h

Maximum exhaust gas flow rate: 14.73 kg/mim.

Maximum exhaust gas temperature: 580°C

Maximum back pressure: 6 kPa (0.06 bar)
Electrical system: 12 Vdc
Starter motor power: 3 kW
Battery charge alternating capacity: 90 A
Cold start: -10 °C
With cold start device: -25 °C
Air filter: Dry
Combustion air flow: 11.03 m³/min.

TECHNICAL DATA ALTERNATOR

Continuous power: 220 kVA
Stand-by power: 240 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 In
Transient Cdt (100% of load): < 20 %
Response time: < 0.3 sec
Yield at 100% load: 93.2 % (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_d: 305 %
Direct Transitory - X'_d: 24 %
Direct Subtransitory - X''_d: 11.3 %
Synchronous in quad. - X_q: 150 %
Subtrans. in quadrature - X'_q: 12.6 %
Of reverse sequence - X₂: 12 %
Of zero sequence - X₀: 2.4 %
Transitory - T'_d: 0.095 sec
Subtransitory - T''_d: 0.011 sec
Unidirectional - T'_{do}: 1.00 sec
Unidirectional - T_a / Armatures - T_a: 0.013 sec
Short-circuit ratio K_{cc}: 0.40
Protection class: IP 23
Cooling air flow rate: 0.42 m³/sec.
Coupling I Bearings: Direct SAE 3 -11 ½ - No. 1

GENERAL SPECIFICATIONS

Tank capacity: 425 lt.
Autonomy (75% of PRP): 11 h
Acoustic power measured L_{WA}: 93 dB(A) (68 dB(A) @ 7m)
Acoustic power guaranteed L_{WA}: 94 dB(A) (69 dB(A) @ 7m)
Performance class: G3
Length: 3750 mm
Width: 1400 mm
Height: 2030 mm
Weight: 2850 Kg

MOSA GE225 FSX - Iveco diesel engine electric start - Three-phase alternator - Three-phase power 204 kVA (163 kW)

Features:

- Electronic voltage regulation AVR
- Version also available with STAGE 3A engine
- Sealed crankcase able to contain any leakage of the 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 setups
- Supersilenced
- Complies with EC directives for noise and safety

If you are looking for another product like MOSA GE225 FSX generator set then you can check out our other [terrestrial generator sets](#).

Images and technical data are not binding.

Technical Sheet

| | |
|------------------------------------|---|
| Phase | Three phase |
| Maximum power three phase (KW) | 180 |
| Continuous power three phase (KW) | 163 |
| Maximum power three phase (KVA) | 225 |
| Continuous power three phase (KVA) | 204 |
| Fuel | Diesel |
| Frequency (Hz) | 50 |
| Voltage (V) | 400 |
| Sockets configuration | 1 x 400V 125A 3P+N+T - 1 x 400V 63A 3P+N+T - 1 x 400V 32A 3P+N+T - 1 x 400V 16A 3P+N+T - 1 x 230V 16A 2P+T o 1 x 230V 16A 2P+T SCHUKO |
| Engine | |
| Emissions Regulations | Stage 3A |
| Engine rpm (rpm) | 1500 |
| Starting system | Electric |
| Engine capacity (cm ³) | 6 |
| Number cylinders | 6 |
| Cooling | Water |
| Inyección | Direct |
| Alternator | Sincrono trifase, autoeccitato, autoregolato, senza spazzole |
| Fuel tank capacity (L) | 425 |
| Consumption (L/h) | 34 at 75% of the load |
| Running time (h) | 12.5 at 75% of the load |
| Acoustic power | 93 dB(A) |
| Acoustic pressure | 68 dB(A) at 7 m |
| Length (mm) | 3750 |

| | |
|---------------------|--------------|
| Width (mm) | 1400 |
| Height (mm) | 2030 |
| Dry weight (Kg) | 2850 |
| Silenced | Yes |
| Super silenced | Yes |
| Product type | Generator |
| ATS Switch device | Optional ATS |
| Voltage regulator | AVR |
| Engine manufacturer | FPT Iveco |