



# MOSA GE 225 FSX IVECO FPT NEF67 TE3F

Product price:

**34.535,44 € tax excluded**

## Product description:

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  $\phi$ : 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 cm<sup>3</sup> (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 m<sup>3</sup>/min.

Total oil capacity: 17 lt

Sump oil capacity: 8 lt ÷ 15 lt

Full load oil consumption: Maximum exhaust gas flow rate: 14.73 kg/min.

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 m<sup>3</sup>/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): Response time: 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: Telephone Interference - THF: Direct Synchronous - Xd: 305 %

Direct Transitory - X'd: 24 %

Direct Subtransitory - X''d: 11.3 %

Synchronous in quad. - Xq: 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 - Ta / Armatures - Ta: 0.013 sec

Short-circuit ratio Kcc: 0.40





Protection class: IP 23

Cooling air flow rate: 0.42 m<sup>3</sup>/sec.

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

#### GENERAL SPECIFICATIONS

Tank capacity: 425 lt.

Autonomy (75% of PRP): 11 h

Acoustic power measured LwA: 93 dB(A) (68 dB(A) @ 7m)

Acoustic power guaranteed LwA: 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.

#### Product features:

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<sup>3</sup>): 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

Voltage regulator: AVR

Engine manufacturer: FPT Iveco

