



# MOSA GE 385 FSX IVECO FPT C13 TE1F

**Product price:**

**52.660,76 € tax excluded**

## **Product description:**

MOSA GE385 FSX 305,6 KW

MOSA GE385 FSX Threephase generator set of 305,6 KW with Iveco diesel engine. The MOSA GE385 FSX generator set is equipped with electric start. The alternator of the MOSA GE385 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 4050 kg in addition to its practical pierceable base. The MOSA GE385 FSX generator set with 580 liters fuel tank has a fuel consumption of 73.8 liters/hour at 75% load for an autonomy of 8 hours.

## **Technical specifications:**

Threephase Stand-by (LTP) output: 382 kVA (305.6 kW) 400 V / 551.4 A

Threephase PRP output: 346 kVA (277 kW) 400 V / 499.4 A

Threephase COP output: 271 kVA (217 kW) / 400 V / 391.1 A

Frequency: 50 Hz

Cos φ: 0.8

## **ENGINE TECHNICAL DATA**

Model: FPT C13 TE2A

Cylinders / Displacement: 6 in-line / 12880 cm<sup>3</sup> (12.88 l)

Bore / Stroke: 135 / 150 (mm)

Compression Ratio: 16.5 : 1

Net standby output: 327 kW (445 hp)

Net PRP output: 296 kW (403 hp)

Net COP output: 232 kW (316 hp)

BMEP (LTP - PRP effective average pressure): 2180 kPa - 1975 kPa

RPM Controller: Electronic

110 % (Standby Power): 204 g/kWh - 85 l/h





100 % PRP: 212.5 g/kWh - 81 l/h  
75 % PRP: 242.2 g/kWh - 73.8 l/h  
50 % PRP: 256.3 g/kWh - 48.8 l/h  
Total capacity - motor only: 67 l - 19.5 l  
Fan air flow rate: 546 m<sup>3</sup>/min  
Total oil capacity: 35 l  
Sump oil capacity: 14 l (min) - 27 l (max)  
Full load oil consumption: Max. exhaust gas flow rate: 28.93 kg/mim.  
Max. exhaust gas temperature: 490 °C  
Max. back pressure: 5 kPa (0.05 bar)  
Electrical system: 24 Vdc  
Starter motor power: 5.5 kW  
Battery charging alternator capacity: 90 A  
Cold start: - 10 °C  
With cold start device: - 25 °C  
Air filter: Dry  
Combustion air flow: 23.51 m<sup>3</sup>/min

#### TECHNICAL DATA ALTERNATOR

Continuous power: 350 kVA  
Stand-by power: 385 kVA  
Threephase voltage: 380-415 Vac  
Frequency: 50 Hz  
Cos φ: 0.8  
A.V.R. model. : Digital MEC-20  
Voltage regulation accuracy: ± 0.5 %  
Sustained short-circuit current: 3 I<sub>n</sub>  
Transient Cdt (100% of load): Response time: Performance at 100% of load: 93.4 % (400V - Cos φ 0.8)  
Isolation: Class H  
Connection - Terminals: Star - No. 12  
Electromagnetic compatibility: EN 55011  
Harmonic distortion - THD: Telephone Interference - THF: Direct Synchronous - X<sub>d</sub>: 345 %  
Direct Transit - X'<sub>d</sub>: 30 %  
Direct Subtransit - X''<sub>d</sub>: 14 %  
Synchronous Quad. - X<sub>q</sub>: 175 %  
Subtrans. in quadrature - X'<sub>q</sub>: 16.4 %  
Of reverse sequence - X<sub>2</sub>: 15.2 %  
Of zero sequence - X<sub>0</sub>: 3.8 %  
Transitory - T'<sub>d</sub>: 0.14 sec  
Subtransitory - T''<sub>d</sub>: 0.014 sec  
Unidirectional - T'<sub>do</sub>: 1.42 sec  
Unidirectional - T<sub>a</sub> / Armatures - T<sub>a</sub>: 0.018 sec  
Short-circuit ratio K<sub>cc</sub>: 0.35  
Protection class: IP 23





Cooling air flow rate: 0.83 m<sup>3</sup>/sec.

Coupling | Bearings: Direct SAE 1 -14 - No. 1

#### GENERAL SPECIFICATIONS

Tank capacity: 580 lt.

Autonomy (75% of PRP): 8 h

Acoustic power measured LwA: 97 dB(A) (72 dB(A) @ 7m)

Acoustic power guaranteed LwA: 98 dB(A) (73 dB(A) @ 7m)

Performance class: G3

Length: 4100 mm

Width: 1520 mm

Height: 2150 mm

Weight: 4100 Kg

MOSA GE385 FSX - Iveco diesel engine electric start - Three-phase alternator - Three-phase power 346 kVA (276.8 kW)

#### Features:

- Electronic voltage regulation AVR
- Version with STAGE 3A emission 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

If you are looking for another product such as the MOSA GE385 FSX generator set then you can browse our catalog for more terrestrial generator sets.

Images and technical data are not binding.

#### Product features:

Phase: Three phase

Maximum power three phase (KW): 305.6

Continuous power three phase (KW): 276.8

Maximum power three phase (KVA): 382

Continuous power three phase (KVA): 346

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 400

Engine: FPT (IVECO) C13 TE1F, 4 stroke common rail, turbo-aftercooler

Emissions Regulations: Not Emitted





Engine rpm (rpm): 1500  
Starting system: Electric  
Engine capacity (cm<sup>3</sup>): 12900  
Number cylinders: 6  
Cooling: Water  
Inyección : Direct  
Alternator: Sincrono trifase, autoeccitato, autoregolato, senza spazzole  
Fuel tank capacity (L): 580  
Consumption (L/h): 69 at 75% of the load  
Running time (h): 8.4 at 75% of the load  
Acoustic power: 97 dB(A)  
Acoustic pressure: 72 dB(A) at 7 m  
Length (mm): 4100  
Width (mm): 1520  
Height (mm): 2150  
Dry weight (Kg): 4100  
Silenced: Yes  
Super silenced: Yes  
Product type: Generator  
ATS Switch device : Optional  
Voltage regulator: AVR  
Engine manufacturer: FPT Iveco

