

# MOSA GE 385 FSX



Product price:

**52.660,76 € tax excluded**

## Product description:

MOSA GE385 FSX 308 KW

MOSA GE385 FSX three-phase 308 KW generator set 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 easy to maneuver and transport thanks to its compact size, with a weight of 4050 Kg as well as the practical pierceable base. The MOSA GE385 FSX generator set with 580-liter fuel tank has a fuel consumption of 57.3 liters/hour at 75% load for an autonomy of 11 hours.

The MOSA GE385 FSX generator set has a fuel consumption of 57.3 liters/hour at 75% load for an autonomy of 11 hours.

## Technical specifications:

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

Three-phase PRP output: 346 kVA (277 kW) 400 V / 499.4 A

Three-phase COP output: 271 kVA (217 kW) / 400 V / 391.1 A

Frequency: 50 Hz

Cos  $\phi$ : 0.8

## ENGINE TECHNICAL DATA

Model: FPT IVECO 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 stand-by output: 330 kW (449 hp)

Net PRP output: 300 kW (408 hp)  
BMEP (LTP - PRP effective average pressure): 2143 kPa - 1948 kPa  
RPM controller: Electronic  
110 % (Stand-by power): 189.6 g/kWh - 77.9 l/h  
100 % PRP: 187.5 g/kWh - 70 l/h  
75 % PRP: 191.8 g/kWh - 57.3 l/h  
50 % PRP: 207.8 g/kWh - 38.8 l/h  
Total capacity - motor only: 47.5 l - 19.5 l  
Fan air flow rate: 408 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 charger 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  
Three-phase 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'do: 1. 42 sec  
Unidirectional - Ta / Armatures - Ta: 0.018 sec  
Short-circuit ratio Kcc: 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): 11 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: 4050 Kg

MOSA GE385 FSX - Iveco diesel engine electric start - Three-phase alternator - Three-phase power 350 kVA (280 kW)

If you are looking for another product like the Generator Set MOSA GE385 FSX then you can see on our catalog other terrestrial generators.

Images and technical data are not binding.

#### Product features:

Phase: Three phase  
Maximum power three phase (KW): 308  
Continuous power three phase (KW): 280  
Maximum power three phase (KVA): 385  
Continuous power three phase (KVA): 350  
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: FPT (IVECO) C13 TE2A, 4 stroke common rail, turbo-aftercooler  
Emissions Regulations: Stationary Use  
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): 53.7 at 75% of the load

Running time (h): 10.8 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): 4050

Silenced: Yes

Super silenced: Yes

Product type: Generator

ATS Switch device : Optional

Voltage regulator: AVR

Engine manufacturer: FPT Iveco