



MOSA GE 385 FSX IVECO FPT C13 TE1F

Reference: CH9A3056-MOSA - Morsettiera-FSX

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 cm³ (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 m³/min
Total oil capacity: 35 l
Sump oil capacity: 14 l (min) - 27 l (max)
Full load oil consumption: < 0.16 l/h
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 m³/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 In
Transient Cdt (100% of load): < 20 %
Response time: < 0.3 sec
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: < 2 %
Telephone Interference - THF: < 2 %
Direct Synchronous - X_d: 345 %
Direct Transit - X'_d: 30 %
Direct Subtransit - X''_d: 14 %
Synchronous Quad. - X_q: 175 %
Subtrans. in quadrature - X'_q: 16.4 %
Of reverse sequence - X₂: 15.2 %
Of zero sequence - X₀: 3.8 %
Transitory - T'_d: 0.14 sec
Subtransitory - T''_d: 0.014 sec
Unidirectional - T'_{do}: 1.42 sec
Unidirectional - T_a / Armatures - T_a: 0.018 sec
Short-circuit ratio K_{cc}: 0.35
Protection class: IP 23
Cooling air flow rate: 0.83 m³/sec.
Coupling I Bearings: Direct SAE 1 -14 - No. 1

GENERAL SPECIFICATIONS

Tank capacity: 580 lt.
Autonomy (75% of PRP): 8 h
Acoustic power measured L_{WA}: 97 dB(A) (72 dB(A) @ 7m)
Acoustic power guaranteed L_{WA}: 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.

Technical Sheet

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 ³)	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 ATS
Voltage regulator	AVR
Engine manufacturer	FPT Iveco
