Man.El.Service Srl
Torino: +39 011 25 35 33 | Milano: +39 02 83 62 30 79
info@manelservice.com
Via Carlo Pittara 46 - 10151 Torino (TO) - Italy
PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

MOSA GE 385 FSX IVECO FPT C13 TE2A

Reference: CH9A3056

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 ?: 0.8

ENGINE TECHNICAL DATA
Model: FPT IVECO C13 TE2A
Cylinders / Displacement: 6 in-line / 12880 cm³ (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 m³/min
Total oil capacity: 35 l
Sump oil capacity: 14 l (min) - 27 l (max)
Full load oil consumption: < 0.14 l/h
Max. exhaust gas flow rate: 28.93 kg/mim.

Man.El.Service Srl
Torino: +39 011 25 35 33 I Milano: +39 02 83 62 30 79
info@manelservice.com
Via Carlo Pittara 46 - 10151 Torino (TO) - Italy
PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

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 m³/min

TECHNICAL DATA ALTERNATOR
Continuous power: 350 kVA
Stand-by power: 385 kVA
Three-phase voltage: 380-415 Vac
Frequency: 50 Hz
Cos ?: 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 ? 0.8)
Isolation: Class H
Connection - Terminals: Star - No. 12
Electromagnetic compatibility: EN 55011
Harmonic distortion - THD: < 2 %
Telephone Interference - THF: < 2 %
Direct Synchronous - Xd: 345 %
Direct Transit - X'd: 30 %
Direct Subtransit - X "d: 14 %
Synchronous Quad. - Xq: 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 - Ta / Armatures - Ta: 0.018 sec
Short-circuit ratio Kcc: 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): 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.

Man.El.Service Srl
Torino: +39 011 25 35 33 I Milano: +39 02 83 62 30 79
info@manelservice.com
Via Carlo Pittara 46 - 10151 Torino (TO) - Italy
PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

Images and technical data are not binding.

Technical Sheet

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^3)	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 ATS

Man.El.Service Srl
Torino: +39 011 25 35 33 I Milano: +39 02 83 62 30 79
info@manelservice.com
Via Carlo Pittara 46 - 10151 Torino (TO) - Italy
PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

Voltage regulator	AVR
Engine manufacturer	FPT Iveco