

Model: FDTV36P1 - 100 kVA

FPT Industrial Series **STAGE V**

50
HZ

50 Hz



Cooling System: Water

T

Three Phase



Diesel



Foto Indicativa - Indicative Picture

Features

Generating Set Model	FDTV36P1
Power in PRP (kVA)	100
Power in LTP (kVA)	110
Engine Model	F36TEVP01
Engine Brand	FPT
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	4500
Fuel Tank Capacity(lt)	50.00
Battery Capacity	1x100
Automatic Control Panel	A2P
Manual Control Panel	QMA2
Sound Proof Canopy	NK4
Frequency	50 Hz
Voltage	400/230 V + N
Rounds per Minute	1500

Standards Applied

Coelmo Generating Sets are CE marked and comply with the following regulations:
(Environmental conditions 1.000mbar, 25C°, 30% relative humidity. Power referring to ISO 3046)

- Power: ISO 8528
- Directive Machinery : 2006/42/CE - 89/392CEE - 98/37/CE
- Low Voltage : 2006/95/CE - 73/23/CEE - 93/68/CEE
- Electromagnetic Compatibility : 2004/108/CE - 89/336/CEE - 93/68/CEE
- Emissions for non-road engines : 2002/88/CE - 97/68/CE (*)
- Acoustic emission : 2005/88/CE - 2000/14/CE (**)

* For non-stationary use only

** For Sound Proof Version Only

Basic Configuration

- On-board control panel
- Fuel tank
- Starting battery
- High temperature engine thermostat
- Low pressure oil thrust meter
- Electrovalve engine
- Initial filling of fluids

Documentation

- User's and maintenance manual
- Electric schemes
- CE declaration
- Test report (on demand)

Available Options

- Relay and/or differential module
- Over sized fuel tank
- Leakage basin
- Automatic refill system
- Catalytic muffler
- Manual fuel transfer pump
- Manual oil extraction pump
- Welded basaframe
- Reinforced vibration dampers
- Steel tank
- Parallel control panel
- Slow speed trailer
- High speed trailer
- Remote alarm control board
- Commissioning
- Remote management

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■ Engine

Diesel engine, four stroke water cooled. An efficient cooling system assures excellent performances in whichever site conditions. A low electric power/displacement ratio guarantees a full available power.

Model	F36TEVP01
Brand	FPT
Alimentation	Diesel
Number of Cylinders	4
Displacement (cc)	4500
HP at 50Hz	160
Speed Governor	Electronic
Air Flow Ventilator (m3/h)	9720
Combustion Air Flow (m3/h)	427
Exhaust Gas Flow (m3/h)	1990
Maximum Exhaust Gas Temperature (t ¹ / ₂ C)	540
Bore (mm)	104
Stroke (mm)	132
Oil cap (l)	8.50
Rounds Per Minute	1500
Consumption at 2/4 of the load (l/h)	14.10
Consumption at 3/4 of the load (l/h)	20.20
Consumption at 4/4 of load (l/h)	26.90
Emission Level	STAGE V
Post Treatment System	DOC + DPF + EGR

■ Alternator

Manufactured in accordance with international IEC 34-1 standards, self regulated, selfexcited, selfventilated, insulated in class "H", regulation accuracy (with load from 0 to 100%) of +/- 1%.

Number of Poles	4
Excitation	Brushless with electronic regulator
Number of Terminals	12
IP	23
Phase	Three Phase
Cos Phi	0.8
Performance	0.92
Voltage	400/230 V + N

TCA: Turbocharged Aftercooler
EGR: Exhaust Gas Recirculation
SCRt: DPF + SCR + CUC

ECR: Electronic Common Rail
DOC: Diesel Oxidation Catalyst
SCRoF: Selective Catalytic Reduction on Filter

ATS: After Treatment System
DPF: Diesel Particular Filter
CUC: Clean up Catalyst