

Model: PDT114d - 100 kVA PERKINS Industrial Series

50 HZ	50 Hz		Cooling System: Water
T	Three Phase		Diesel



Foto Indicativa / Indicative Picture

Features

Generating Set Model	PDT114d
Power in PRP (kVA)	100
Power in LTP (kVA)	110
Engine Model	1104C-44TAG2
Engine Brand	PERKINS
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	4400
Fuel Tank Capacity(lt)	120.00
Battery Capacity	1x100
Automatic Control Panel	A2G
Manual Control Panel	QMA2
Sound Proof Canopy	GK3
Frequence	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 1.000 mbar, 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

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

Documentation

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

Available Options

- 3 or 4 poles circuit breaker
- Relay and/or differential module
- Over sized integrated fuel tank
- Engine temperature sensor
- Oil pressure sensor
- Fuel level indicator float
- Automatic refill system
- Sound proof canopy
- Catalytic muffler
- Silenced muffler
- Electro manual control panel
- Automatic control panel
- Change over mains/generating set
- Slow speed trailer
- High speed trailer
- Remote alarm control board
- Commissioning

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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	1104C-44TAG2
Brand	PERKINS
Alimentation	Diesel
Number of Cylinders	4
Displacement (cc)	4400
HP at 50Hz	126
Speed Governor	Electronic
Aspiration	TCA/A
Air Flow Ventilator (m3/h)	9936
Combustion Air Flow (m3/h)	361
Exhaust Gas Flow (m3/h)	912
Maximum Exhaust Gas Temperature (°C)	514
Bore (mm)	105
Stroke (mm)	127
Oil cap (l)	7.00
Rounds Per Minute	1500
Consumption at 2/4 of the load (l/h)	11.80
Consumption at 3/4 of the load (l/h)	17.10
Consumption at 4/4 of load (l/h)	22.60

■ Aspiration Type

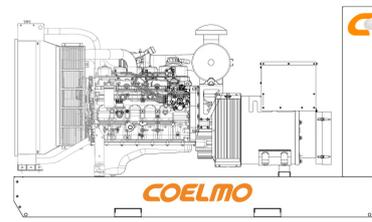
NA	=	Natural Aspiration
TC	=	Turbo Compressor
TCA/A	=	Turbo Compressor Air/Air
W/A	=	Turbo Compressor Water/Air

■ 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

■ Dimensions



Disegno a scopo illustrativo / Drawing for illustrative purpose

Version	Open	Soundproof
Length (mm)	2500	2700
Width (mm)	900	1000
Height (mm)	1450	1650
Weight (kg)	1055	1468