



Model: PDT412W3 - 1364 kVA

PERKINS Industrial Series

50 Hz



Cooling System: Water



Three Phase



Diesel



Features

1 6416163	
Generating Set Model	PDT412W3
Power in PRP (kVA)	1364
Power in LTP (kVA)	1500
Engine Model	4012-46TWG3A
Engine Brand	PERKINS
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	45842
Fuel Tank Capacity(It)	120.00
Battery Capacity	2x225
Automatic Control Panel	A6
Manual Control Panel	QMA3
Sound Proof Canopy	CS12
Frequence	50 Hz
Voltage	400/230 V + N
Rounds per Minute	1500

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

Standards Applied

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

- Power: ISO 8528
- Directive Machinary: 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

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Certified Company ISO 9001 SA800 ISO 14001 OHSAS 18001 AEOF





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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	4012-46TWG3A	
Brand	PERKINS	
Alimentation	Diesel	
Number of Cylinders	12	
Displacement (cc)	45842	
HP at 50Hz	1618	
Speed Governor	Electronic	
Aspiration	TCW/A	
Air Flow Ventilator (m3/h)	100800	
Combustion Air Flow (m3/h)	6480	
Exhaust Gas Flow (m3/h)	14700	
Maximum Exhaust Gas Temperature (°C)	479	
Bore (mm)	160	
Stroke (mm)	190	
Oil cap (I)	157.50	
Rounds Per Minute	1500	
Consumption at 2/4 of the load (I/h)	151.00	
Consumption at 3/4 of the load (I/h)	213.00	
Consumption at 4/4 of load (I/h)	283.00	

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 accurancy (with load from 0 to 100%) of \pm 1%.

Number of Poles	4
Excitation	Brushless with electronic regulator
Number of Terminals	12
IP	23
Phase	Three Phase
Cos Phi	0.8
Performance	0.96
Voltage	400/230 V + N

Dimensions



Disegno a scopo illustrativo / Drawing for illustrative purpos

Version	Open	Soundproof
Length (mm)	7000	7500
Width (mm)	2400	2400
Height (mm)	2450	2907
Weight (kg)	8450	11032

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