



Model: PDT286AG2 - 650 kVA

PERKINS Industrial Series

50 Hz



Cooling System: Water



Three Phase



Diesel



Features

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Generating Set Model	PDT286AG2
Power in PRP (kVA)	650
Power in LTP (kVA)	715
Engine Model	2806A-E18TAG2
Engine Brand	PERKINS
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	18130
Fuel Tank Capacity(It)	120.00
Battery Capacity	2x225
Automatic Control Panel	A4
Manual Control Panel	QMA3
Sound Proof Canopy	CS8
Frequence	50 Hz
Voltage	400/230 V + N

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

Certified Company

Rounds per Minute

- 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 (*)

1500

- Acoustic emission: 2005/88/CE 2000/14/CE (**)
- * For non-stationary use only
- ** For Sound Proof Version Only

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	2806A-E18TAG2	
Brand	PERKINS	
Alimentation	Diesel	
Number of Cylinders	6	
Displacement (cc)	18130	
HP at 50Hz	783	
Speed Governor	Electronic	
Aspiration	TCA/A	
Air Flow Ventilator (m3/h)	42120	
Combustion Air Flow (m3/h)	2020	
Exhaust Gas Flow (m3/h)	6360	
Maximum Exhaust Gas Temperature (°C)	555	
Bore (mm)	145	
Stroke (mm)	183	
Oil cap (I)	53.00	
Rounds Per Minute	1500	
Consumption at 2/4 of the load (l/h)	66.00	
Consumption at 3/4 of the load (l/h)	97.00	
Consumption at 4/4 of load (I/h)	132.00	

Aspiration Type

NA = Natural Aspiration
TC = Turbo Compressor
TCA/A = Turbo Compressor

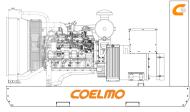
TCA/A = Turbo Compressor Air/Air W/A = Turbo Compressor Water/Air

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	0.94
Voltage	400/230 V + N

Dimensions



Disegno a scopo illustrativo / Drawing for illustrative purpos

Version	Open	Soundproof
Length (mm)	4250	5000
Width (mm)	1600	2000
Height (mm)	1950	2542
Weight (kg)	4242	5969

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