

## Model: PDT256AG2 - 500 kVA Pro Industrial PERKINS Series





 50 Hz	 Cooling System: Water
 Three Phase	 Diesel



Foto Indicativa / Indicative Picture

### Features

Generating Set Model	PDT256AG2
Power in PRP (kVA)	500
Power in LTP (kVA)	550
Engine Model	2506A-E15TAG2
Engine Brand	PERKINS
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	15200
Fuel Tank Capacity (lt)	120.00
Battery Capacity	2x155
Automatic Control Panel	A3
Manual Control Panel	QMA3
Sound Proof Canopy	CS8
Frequency	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 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

Certified Company  
ISO 9001 SA800  
ISO 14001 OHSAS 18001 AEOF

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**COELMO®**

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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	2506A-E15TAG2
Brand	PERKINS
Alimentation	Diesel
Number of Cylinders	6
Displacement (cc)	15200
HP at 50Hz	605
Speed Governor	electronic
Aspiration	TCA/A
Air Flow Ventilator (m3/h)	39600
Combustion Air Flow (m3/h)	2148
Exhaust Gas Flow (m3/h)	5640
Maximum Exhaust Gas Temperature (C)	550
Bore (mm)	137
Stroke (mm)	171
Oil cap (l)	53.00
Rounds Per Minute	1500
Consumption at 2/4 of the load (l/h)	53.00
Consumption at 3/4 of the load (l/h)	76.00
Consumption at 4/4 of load (l/h)	100.00

### Aspiration Type

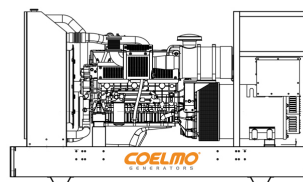
NA	=	Natural Aspiration
TC	=	Turbo Compressor
TCA/A	=	Turbo Compressor Air/Air
W/A	=	Turbo Compressor Water/Air

### Alternator

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

Number of Poles	4
Excitation	Brushless with electronic regulator
Number of Terminals	12
IP	21
Phase	Three Phase
Cos Phi	0.8
Performance	0.94
Voltage	400/230 V + N

### Dimensions



Disegno a scopo illustrativo - Drawing for illustrative purpose

Length (mm)	4250
Width (mm)	1600
Height (mm)	2120
Weight (kg)	3374