

## Model: PDT416A1 - 1850 kVA PERKINS Industrial Series



<b>50</b> HZ	50 Hz		Cooling System: Water
<b>T</b>	Three Phase		Diesel



Foto Indicativa / Indicative Picture

### Features

Generating Set Model	PDT416A1
Power in PRP (kVA)	1850
Power in LTP (kVA)	2030
Engine Model	4016TAG1A
Engine Brand	PERKINS
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	61123
Fuel Tank Capacity(lt)	120.00
Battery Capacity	4x225
Automatic Control Panel	A6
Manual Control Panel	QMA3
Sound Proof Canopy	CS13
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<sup>o</sup>, 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

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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	4016TAG1A
Brand	PERKINS
Alimentation	Diesel
Number of Cylinders	16
Displacement (cc)	61123
HP at 50Hz	2129
Speed Governor	Electronic
Aspiration	TC
Air Flow Ventilator (m3/h)	143640
Combustion Air Flow (m3/h)	7920
Exhaust Gas Flow (m3/h)	20580
Maximum Exhaust Gas Temperature (°C)	439
Bore (mm)	160
Stroke (mm)	190
Oil cap (l)	213.00
Rounds Per Minute	1500
Consumption at 2/4 of the load (l/h)	185.00
Consumption at 3/4 of the load (l/h)	277.00
Consumption at 4/4 of load (l/h)	383.00

### ■ 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	23
Phase	Three Phase
Cos Phi	0.8
Performance	0.96
Voltage	400/230 V + N

### ■ Dimensions



Disegno a scopo illustrativo / Drawing for illustrative purpose

Version	Open	Soundproof
Length (mm)	8000	10000
Width (mm)	2400	2400
Height (mm)	2900	3403
Weight (kg)	10405	13505