

## Model: PDT44Aa - 20.30 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	PDT44Aa
Power in PRP (kVA)	20.30
Power in LTP (kVA)	22
Engine Model	404A-22G1
Engine Brand	PERKINS
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	2216
Fuel Tank Capacity(lt)	50.00
Battery Capacity	1x80
Automatic Control Panel	A1
Manual Control Panel	QMA2
Sound Proof Canopy	GK1
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<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

### 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	404A-22G1
Brand	PERKINS
Alimentation	Diesel
Number of Cylinders	4
Displacement (cc)	2216
HP at 50Hz	25
Speed Governor	Mechanical
Aspiration	NA
Air Flow Ventilator (m3/h)	2412
Combustion Air Flow (m3/h)	87
Exhaust Gas Flow (m3/h)	218
Maximum Exhaust Gas Temperature (°C)	445
Bore (mm)	84
Stroke (mm)	100
Oil cap (l)	10.60
Rounds Per Minute	1500
Consumption at 2/4 of the load (l/h)	2.90
Consumption at 3/4 of the load (l/h)	4.00
Consumption at 4/4 of load (l/h)	5.30

### ■ 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	0.87
Voltage	400/230 V + N

### ■ Dimensions



Disegno a scopo illustrativo / Drawing for illustrative purpose

Version	Open	Soundproof
Length (mm)	1800	1800
Width (mm)	730	700
Height (mm)	1100	1100
Weight (kg)	487	709