



Model: PDT156A3 - 250 kVA **PERKINS Industrial Series**



50 Hz



Cooling System: Water



Three Phase



Diesel



Features

1 3 31 31 33	
Generating Set Model	PDT156A3
Power in PRP (kVA)	250
Power in LTP (kVA)	275
Engine Model	1506A-E88TAG3
Engine Brand	PERKINS
Alimentation	Diesel
Cooling System	Water
Displacement (cc)	8800
Fuel Tank Capacity(It)	120.00
Battery Capacity	2x155
Automatic Control Panel	A3
Manual Control Panel	QMA3
Sound Proof Canopy	NK7
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





Certified Company

www.coelmo.it - info@coelmo.it





Model: PDT156A3 - 250 kVA

PERKINS Industrial Series

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 1506A-E88TAG3 Brand PERKINS Alimentation Diesel Number of Cylinders 6 Displacement (cc) 8800 HP at 50Hz 317 Speed Governor Electronic Aspiration TCA/A Air Flow Ventilator (m3/h) 22200 Combustion Air Flow (m3/h) 846 Exhaust Gas Flow (m3/h) 2250 Maximum Exhaust Gas 537 Temperature (°C) Bore (mm) 112 Stroke (mm) 149 Oil cap (I) 36.00 Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) 55.50		
Alimentation Diesel Number of Cylinders 6 Displacement (cc) HP at 50Hz Speed Governor Aspiration TCA/A Air Flow Ventilator (m3/h) Combustion Air Flow (m3/h) Exhaust Gas Flow (m3/h) Maximum Exhaust Gas Temperature (°C) Bore (mm) 112 Stroke (mm) Oil cap (I) Rounds Per Minute Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) Consumption at 3/4 of the load (I/h)	Model	1506A-E88TAG3
Number of Cylinders Displacement (cc) B800 HP at 50Hz Speed Governor Aspiration TCA/A Air Flow Ventilator (m3/h) Combustion Air Flow (m3/h) Exhaust Gas Flow (m3/h) Maximum Exhaust Gas Temperature (°C) Bore (mm) 112 Stroke (mm) Oil cap (I) Rounds Per Minute Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) Consumption at 3/4 of the load (I/h)	Brand	PERKINS
Displacement (cc) HP at 50Hz Speed Governor Aspiration TCA/A Air Flow Ventilator (m3/h) Combustion Air Flow (m3/h) Exhaust Gas Flow (m3/h) Maximum Exhaust Gas Temperature (°C) Bore (mm) 112 Stroke (mm) Oil cap (l) Rounds Per Minute Consumption at 2/4 of the load (l/h) Consumption at 3/4 of the load (l/h) 117 8800 TCA/A 22200 846 2250 537 119 346 357 110 250 260 270 280 280 280 410 410 410	Alimentation	Diesel
HP at 50Hz Speed Governor Aspiration Aspiration TCA/A Air Flow Ventilator (m3/h) Combustion Air Flow (m3/h) Exhaust Gas Flow (m3/h) Maximum Exhaust Gas Temperature (°C) Bore (mm) 112 Stroke (mm) Oil cap (I) Rounds Per Minute Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) Consumption at 3/4 of the load (I/h)	Number of Cylinders	6
Speed Governor Electronic Aspiration TCA/A Air Flow Ventilator (m3/h) 22200 Combustion Air Flow (m3/h) 846 Exhaust Gas Flow (m3/h) 2250 Maximum Exhaust Gas 537 Temperature (°C) Bore (mm) 112 Stroke (mm) 149 Oil cap (I) 36.00 Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) 41.60	Displacement (cc)	8800
Aspiration TCA/A Air Flow Ventilator (m3/h) 22200 Combustion Air Flow (m3/h) 846 Exhaust Gas Flow (m3/h) 2250 Maximum Exhaust Gas 537 Temperature (°C) Bore (mm) 112 Stroke (mm) 149 Oil cap (I) 36.00 Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) 41.60 Consumption at 3/4 of the load (I/h)	HP at 50Hz	317
Air Flow Ventilator (m3/h) Combustion Air Flow (m3/h) Exhaust Gas Flow (m3/h) Maximum Exhaust Gas Temperature (°C) Bore (mm) 112 Stroke (mm) Oil cap (I) Rounds Per Minute Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 22200 846 2250 537 112 537 149 26.00 28.60 Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 41.60	Speed Governor	Electronic
Combustion Air Flow (m3/h) 846 Exhaust Gas Flow (m3/h) 2250 Maximum Exhaust Gas Temperature (°C) 537 Bore (mm) 112 Stroke (mm) 149 Oil cap (I) 36.00 Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) 28.60 Consumption at 3/4 of the load (I/h) 41.60	Aspiration	TCA/A
Exhaust Gas Flow (m3/h) Maximum Exhaust Gas Temperature (°C) Bore (mm) 112 Stroke (mm) Oil cap (I) Rounds Per Minute Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 41.60	Air Flow Ventilator (m3/h)	22200
Maximum Exhaust Gas Temperature (°C) Bore (mm) 112 Stroke (mm) Oil cap (I) Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 41.60	Combustion Air Flow (m3/h)	846
Temperature (°C) Bore (mm) 112 Stroke (mm) 149 Oil cap (I) Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 41.60	Exhaust Gas Flow (m3/h)	2250
Stroke (mm) Oil cap (I) Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 41.60		537
Oil cap (I) Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 41.60	Bore (mm)	112
Rounds Per Minute 1500 Consumption at 2/4 of the load (I/h) 28.60 Consumption at 3/4 of the load (I/h) 41.60	Stroke (mm)	149
Consumption at 2/4 of the load (I/h) Consumption at 3/4 of the load (I/h) 41.60	Oil cap (I)	36.00
(I/h) Consumption at 3/4 of the load (I/h) 41.60	Rounds Per Minute	1500
(I/h)		28.60
Consumption at 4/4 of load (I/h) 55.50		41.60
	Consumption at 4/4 of load (I/h)	55.50

Aspiration Type

W/A

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

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	0.93
Voltage	400/230 V + N

Dimensions



Disegno a scopo illustrativo / Drawing for illustrative purpose

Version	Open	Soundproof
Length (mm)	3900	4250
Width (mm)	1300	1600
Height (mm)	1850	2434
Weight (kg)	2258	3077

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