

Model: PDT286G1A-ne - 600 kVA Pro Industrial PERKINS Series





| | |
|--|---|
|  50 Hz |  Cooling System: Water |
|  Three Phase |  Diesel |



Foto Indicativa / Indicative Picture

Features

| | |
|-------------------------|----------------|
| Generating Set Model | PDT286G1A-ne |
| Power in PRP (kVA) | 600 |
| Power in LTP (kVA) | 650 |
| Engine Model | 2806A-E18TAG1A |
| Engine Brand | PERKINS |
| Alimentation | Diesel |
| Cooling System | Water |
| Displacement (cc) | 18130 |
| Fuel Tank Capacity (lt) | 120.00 |
| Battery Capacity | 2x155 |
| Automatic Control Panel | A4 |
| 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

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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.

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|--------------------------------------|----------------|
| Model | 2806A-E18TAG1A |
| Brand | PERKINS |
| Alimentation | Diesel |
| Number of Cylinders | 6 |
| Displacement (cc) | 18130 |
| HP at 50Hz | 724 |
| Speed Governor | electronic |
| Aspiration | TCA/A |
| Air Flow Ventilator (m3/h) | 42120 |
| Combustion Air Flow (m3/h) | 2040 |
| Exhaust Gas Flow (m3/h) | 5760 |
| Maximum Exhaust Gas Temperature (C) | 568 |
| Bore (mm) | 145 |
| Stroke (mm) | 183 |
| Oil cap (l) | 53.00 |
| Rounds Per Minute | 1500 |
| Consumption at 2/4 of the load (l/h) | 61.00 |
| Consumption at 3/4 of the load (l/h) | 90.00 |
| Consumption at 4/4 of load (l/h) | 123.00 |

■ Aspiration Type

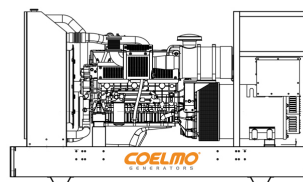
| | |
|-------|------------------------------|
| NA | = Natural Aspiration |
| TC | = Turbo Compressor |
| TCA/A | = Turbo Compressor Air/Air |
| W/A | = Turbo Compressor Water/Air |

■ 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) | 2100 |
| Weight (kg) | 4032 |