

## Model: PDT43Ac - 15 kVA PERKINS Industrial Series


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



Foto Indicativa / Indicative Picture

### Features

|                         |               |
|-------------------------|---------------|
| Generating Set Model    | PDT43Ac       |
| Power in PRP (kVA)      | 15            |
| Power in LTP (kVA)      | 17            |
| Engine Model            | 403A-15G2     |
| Engine Brand            | PERKINS       |
| Alimentation            | Diesel        |
| Cooling System          | Water         |
| Displacement (cc)       | 1496          |
| Fuel Tank Capacity(lt)  | 50.00         |
| Battery Capacity        | 1x50          |
| Automatic Control Panel | A1            |
| Manual Control Panel    | QMA2          |
| Sound Proof Canopy      | NK1           |
| 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                                | 403A-15G2  |
| Brand                                | PERKINS    |
| Alimentation                         | Diesel     |
| Number of Cylinders                  | 3          |
| Displacement (cc)                    | 1496       |
| HP at 50Hz                           | 19         |
| Speed Governor                       | Mechanical |
| Aspiration                           | NA         |
| Air Flow Ventilator (m3/h)           | 2484       |
| Combustion Air Flow (m3/h)           | 60         |
| Exhaust Gas Flow (m3/h)              | 132        |
| Maximum Exhaust Gas Temperature (°C) | 470        |
| Bore (mm)                            | 84         |
| Stroke (mm)                          | 90         |
| Oil cap (l)                          | 6.00       |
| Rounds Per Minute                    | 1500       |
| Consumption at 2/4 of the load (l/h) | 2.24       |
| Consumption at 3/4 of the load (l/h) | 3.11       |
| Consumption at 4/4 of load (l/h)     | 4.30       |

### ■ Aspiration Type

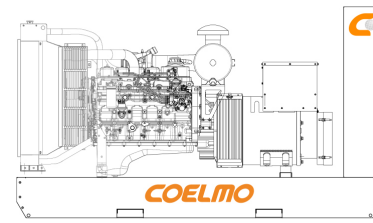
|       |   |                            |
|-------|---|----------------------------|
| NA    | = | Natural Aspiration         |
| TC    | = | Turbo Compressor           |
| TCA/A | = | Turbo Compressor Air/Air   |
| W/A   | = | Turbo Compressor Water/Air |

### ■ 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 | 6                                   |
| IP                  | 23                                  |
| Phase               | Three Phase                         |
| Cos Phi             | 0.8                                 |
| Performance         | 0.86                                |
| Voltage             | 400/230 V + N                       |

### ■ Dimensions



| Version     | Open | Soundproof |
|-------------|------|------------|
| Length (mm) | 1800 | 1900       |
| Width (mm)  | 730  | 800        |
| Height (mm) | 1100 | 1400       |
| Weight (kg) | 417  | 639        |