

Cassette fan coils

DIVA



Cooling capacity: 1.9÷10.9 kW - Heating capacity:
2.6÷14.0 kW

√ **Set-ups for 2 or 4-pipe installations or 2 pipe installations with electrical resistance**

√ **ABS or metal ceiling panelling with Coanda effect.**

√ **New touch controls**

√ **2 or 3-way, ON/OFF electrovalves and pre-mounted controls on board**



Web code: DIVA1 controls: ACREG

Cassette-type fan coil units.

Construction features

- Fan coils: cassette-type for installation in false ceilings, with air return and delivery directly in the room.
- Heat exchanger: finned coil.
- Radial fan.
- 6-speed motor, 3 of which are connected in a terminal block.
- Structure: self-supporting, in galvanised sheet steel complete with an additional condensate drain pan and pump to lift the condensate (maximum head 650 mm).
- PLP buffer ceiling (accessory): in ABS polymer (RAL 9003) with manually adjustable delivery fins, return grille and regenerable filter.

Construction set-ups

Type of unit

2T - Single main coil

4T - Double main coil and additional

RE - Single main coil and supplementary electrical resistance.

ACCESSORIES

- PLP-ABS ceiling panelling (RAL 9003).
- PLM - Metal ceiling panelling (RAL 9003) flush with false ceiling with Coanda effect.
- ❖ 3-way ON/OFF electrovalve for 2 and 4-pipe systems.
- ❖ 2-way ON/OFF electrovalves for 2 and 4-pipe systems.
- Primary air duct fitting.
- Circular connector for air distribution at a distance from the unit.
- Primary air kit.

CONTROLS

STANDARD controls

For wall mounting installation

- Panel with speed and summer/winter switch.
- Panel with room thermostat, summer/winter switch, speed switch, ON/OFF valve control and electrical resistance.
- Electronic panel with automatic summer/winter switching for 2-pipe systems.
- Electronic panel with automatic summer/winter switching and automatic speed adjustment for 2-pipe systems with electrical resistance or 4-pipe systems.
- Electronic panel with display and RS485 serial interface, semi-recessed in wall.
- Interface board to control up to 4 fan coils.

Advanced LIT-TOUCH controls

- Flush LIT-Touch control panel in glossy black or pearl white for wall mounting installation.
 - LIT-Touch remote control and receiver for ceiling panelling or wall mounting installation, with air temperature probe and operation LED.
- For on board installation
- ❖ LIT-Touch electronic control for 2-pipe systems, with 2 pipes with electrical resistance or 4 pipes, complete with minimum water temperature probe, ON/OFF valve control and integrated master/slave function up to a total of 15 units.
 - Additional board with 2 digital outputs that can be configured.
 - On board air temperature probe.
 - RS485 serial board for serial communication with other devices (Modbus RTU protocol).

Key: ❖ Factory fitted
→ Supplied separately

Technical Data

| DIVA 2T - DIVA RE | | 20 | 30 | 40 | 50 | 60 | 90 | 110 |
|------------------------------------|---------|----------|----------|----------|----------|----------|----------|----------|
| ❶ Total cooling capacity [EN1397] | kW | 1,92 | 2,64 | 4,26 | 4,93 | 6,08 | 9,39 | 10,93 |
| ❷ Heating capacity (45°C) [EN1397] | kW | 2,24 | 2,8 | 4,37 | 5,15 | 6,5 | 9,23 | 11,77 |
| ❸ Heating capacity (50°C) | kW | 2,64 | 3,35 | 5,23 | 6,17 | 7,77 | 10,7 | 14 |
| ❹ Heating capacity (70°C) [EN1397] | kW | 4,13 | 5,32 | 8,58 | 10,29 | 12,08 | 15,55 | 22,63 |
| RE electrical resistance | kW | - | 1,5 | 2,5 | 2,5 | 3 | 3 | 3 |
| Air flow speed | m³/h | 610 | 520 | 710 | 880 | 1140 | 1500 | 1820 |
| Sound power | dB(A) | 49 | 45 | 53 | 59 | 48 | 53 | 58 |
| ❺ Sp. sound pressure | dB(A) | 40 | 36 | 44 | 50 | 39 | 44 | 49 |
| Absorbed power | W | 57 | 44 | 68 | 90 | 77 | 120 | 170 |
| Electrical supply | V-ph-Hz | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 |

| DIMENSIONS AND WEIGHT | | 20 | 30 | 40 | 50 | 60 | 90 | 110 |
|--|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Box - Dimensions WxHxD | mm | 575 x 275 x 575 | 575 x 275 x 575 | 575 x 275 x 575 | 575 x 275 x 575 | 820 x 303 x 820 | 820 x 303 x 820 | 820 x 303 x 820 |
| PLP Ceiling panelling - Dimensions WxHxD | mm | 670x 67x 670 | 670x 67x 670 | 670x 67x 670 | 670x 67x 670 | 965 x 85 x 965 | 965 x 85 x 965 | 965 x 85 x 965 |
| Box - Weight | kg | 22 | 22 | 24 | 24 | 36 | 39 | 39 |
| PLP Ceiling panelling - Weight | kg | 3 | 3 | 3 | 3 | 6 | 6 | 6 |

| DIVA 4T | | 20 | 30 | 32 | 40 | 42 | 50 | 60 | 80 |
|---|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| ❶ Total cooling capacity [EN1397] | kW | 2,27 | 2,66 | 3,27 | 3,86 | 3,72 | 4,44 | 6,26 | 7,59 |
| ❷ Heating capacity of additional coil (65°C) [EN1397] | kW | 2,66 | 3,04 | 3,86 | 2,91 | 4,19 | 3,29 | 8,02 | 9,66 |
| ❸ Heating capacity of additional coil (70°C) [EN1397] | kW | 3,09 | 3,5 | 4,47 | 3,42 | 5,04 | 3,88 | 9,18 | 11,12 |
| Air flow speed | m³/h | 610 | 520 | 710 | 710 | 880 | 880 | 1140 | 1500 |
| Sound power | dB(A) | 49 | 45 | 53 | 53 | 59 | 59 | 48 | 53 |
| ❺ Sp. sound pressure | dB(A) | 40 | 36 | 44 | 44 | 50 | 50 | 39 | 44 |
| Absorbed power | W | 57 | 44 | 68 | 68 | 90 | 90 | 77 | 120 |
| Electrical supply | V-ph-Hz | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 |

| DIMENSIONS AND WEIGHT | | 20 | 30 | 32 | 40 | 42 | 50 | 60 | 80 |
|--|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Box - Dimensions WxHxD | mm | 575 x 275 x 575 | 575 x 275 x 575 | 575 x 275 x 575 | 575 x 275 x 575 | 575 x 275 x 575 | 575 x 275 x 575 | 820 x 303 x 820 | 820 x 303 x 820 |
| PLP Ceiling panelling - Dimensions WxHxD | mm | 670x 67x 670 | 670x 67x 670 | 670x 67x 670 | 670x 67x 670 | 670x 67x 670 | 670x 67x 670 | 965 x 85 x 965 | 965 x 85 x 965 |
| Box - Weight | kg | 24 | 24 | 24 | 24 | 24 | 24 | 39 | 39 |
| PLP Ceiling panelling - Weight | kg | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 |

| DIVA 2T - DIVA RE | | |
|------------------------------------|--|---------|
| ❶ Total cooling capacity [EN1397] | | kW |
| ❷ Heating capacity (45°C) [EN1397] | | kW |
| ❸ Heating capacity (50°C) | | kW |
| ❹ Heating capacity (70°C) [EN1397] | | kW |
| RE electrical resistance | | kW |
| Air flow speed | | m³/h |
| Sound power | | dB(A) |
| ❺ Sp. sound pressure | | dB(A) |
| Absorbed power | | W |
| Electrical supply | | V-ph-Hz |

| DIMENSIONS AND WEIGHT | | |
|--|--|----|
| Box - Dimensions WxHxD | | mm |
| PLP Ceiling panelling - Dimensions WxHxD | | mm |
| Box - Weight | | kg |
| PLP Ceiling panelling - Weight | | kg |

| DIVA 4T | | 90 | 92 | 110 |
|---|---------|----------|----------|----------|
| ❶ Total cooling capacity [EN1397] | kW | 8,65 | 8,72 | 10,03 |
| ❷ Heating capacity of additional coil (65°C) [EN1397] | kW | 7,5 | 11,16 | 8,58 |
| ❸ Heating capacity of additional coil (70°C) [EN1397] | kW | 8,68 | 12,87 | 9,97 |
| Air flow speed | m³/h | 1500 | 1820 | 1820 |
| Sound power | dB(A) | 53 | 58 | 58 |
| ❺ Sp. sound pressure | dB(A) | 44 | 49 | 49 |
| Absorbed power | W | 120 | 170 | 170 |
| Electrical supply | V-ph-Hz | 230-1-50 | 230-1-50 | 230-1-50 |

| DIMENSIONS AND WEIGHT | | 90 | 92 | 110 |
|--|----|-----------------|-----------------|-----------------|
| Box - Dimensions WxHxD | mm | 820 x 303 x 820 | 820 x 303 x 820 | 820 x 303 x 820 |
| PLP Ceiling panelling - Dimensions WxHxD | mm | 965 x 85 x 965 | 965 x 85 x 965 | 965 x 85 x 965 |
| Box - Weight | kg | 39 | 39 | 39 |
| PLP Ceiling panelling - Weight | kg | 6 | 6 | 6 |

Data at the following conditions:

- ❶ Air: 27°C D.B.; 19°C W.B. - Water: 7/12°C.
- ❷ Air: 20°C - Water: 45/40°C.
- ❸ Air: 20°C - Water: 50°C, flow rate as in cooling.
- ❹ Air: 20°C - Water: 70/60°C.
- ❺ Air: 20°C - Water: 65/55°C.
- ❻ For room volume equal to 100 m³ and reverberation time = 0.5 sec.
- E Eurovent certified performance.

RHOSS S.P.A. declines all responsibility for possible mistakes in this document and reserves the right to alter the features of their products without notice.

Rhoss S.p.A.
Via Oltre Ferrovia, 32
33033 Codroipo (UD) - Italy
tel. +39 0432 911611 - rhoss@rhoss.it
www.rhoss.it www.rhoss.com



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