

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, 60x60cm models only.
- ❖ 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 WEIGHTS		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 WEIGHTS		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 WEIGHTS		
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 WEIGHTS		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.

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