Cassette fan coils with EC motor

DIVA-I

Cooling capacity: 2.7÷10.7 kW - Heating capacity: 3.4÷12.7 kW

√ Consumption reduced by 50% with EC motor

√ 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: DIVI1 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;
• Inverter brushless EC motor.
• 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 supplied separately): 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
➔ Electronic panel with display and RS485 serial interface, semi-recessed in wall.

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-I 2T - DIVA-I RE		30	40	50	60	110
❶ Total cooling capacity [EN1397]	kW	2,73	4,3	4,96	6,3	10,69
❷ Heating capacity (45°C) [EN1397]	kW	2,87	4,36	5,15	6,7	10,56
❸ Heating capacity (50°C)	kW	3,44	5,24	6,2	8,01	12,7
❹ Heating capacity (70°C) [EN1397]	kW	5,81	8,81	10,47	13,5	21,34
RE electrical resistance	kW	-	1,5	2,5	2,5	3
Air flow speed	m³/h	535	710	880	1165	1770
Sound power	dB(A)	47	54	60	48	57
❻ Sp. sound pressure	dB(A)	38	45	51	39	48
Absorbed power	W	16	31	62	33	108
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
DIMENSIONS AND WEIGHT		**30**	**40**	**50**	**60**	**110**
Box - Dimensions WxHxD	mm	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	965 x 85 x 965	965 x 85 x 965
Box - Weight	kg	22	24	24	36	39
PLP Ceiling panelling - Weight	kg	3	3	3	6	6
DIVA-I 4T		**30**	**40**	**50**	**60**	**110**
❶ Total cooling capacity [EN1397]	kW	2,75	3,9	4,47	6,48	9,76
❺ Heating capacity of additional coil (65°C) [EN1397]	kW	3,18	2,91	3,29	8,24	8,33
❹ Heating capacity of additional coil (70°C) [EN1397]	kW	3,64	3,38	3,85	9,39	9,62
Air flow speed	m³/h	535	710	880	1165	1770
Sound power	dB(A)	47	54	60	48	57
❻ Sp. sound pressure	dB(A)	38	45	51	39	48
Absorbed power	W	16	31	62	33	108
Electrical supply	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
DIMENSIONS AND WEIGHT		**30**	**40**	**50**	**60**	**110**
Box - Dimensions WxHxD	mm	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	965 x 85 x 965	965 x 85 x 965
Box - Weight	kg	22	24	24	36	39
PLP Ceiling panelling - Weight	kg	3	3	3	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.

Performance refers to the motor's input signal: 10V - 5V - 1V at MAX - MED - MIN speed.

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

RhossOfficial RhossOfficialChannel Rhoss