

# DIVA-I

## Cassette fan coils with EC motor

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**

**Tax incentives\***



Features



### 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 - 2 pipes, single main coil.

4T - 4 pipes, double main coil and additional.

RE - 2 pipes, single main coil and 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				30	40	50	60	110
❶ Total cooling capacity [EN1397]	MAX	kW	E	2,73	4,3	4,96	6,3	10,69
	MED	kW	E	2,16	3,04	3,85	5,13	7,69
	MIN	kW	E	1,84	2,24	2,55	4,2	5,28
❷ Heating capacity (45°C) [EN1397]	MAX	kW	E	2,87	4,36	5,15	6,7	10,56
	MED	kW	E	2,22	2,98	3,85	5,3	7,34
	MIN	kW	E	1,86	2,13	2,46	4,27	4,9
❸ Heating capacity (50°C)	MAX	kW	E	3,44	5,24	6,2	8,01	12,7
	MED	kW	E	2,67	3,58	4,63	6,35	8,83
	MIN	kW	E	2,22	2,55	2,96	5,11	5,89
❹ Heating capacity (70°C) [EN1397]	MAX	kW	E	5,81	8,81	10,47	13,5	21,34
	MED	kW	E	4,5	5,99	7,77	10,68	14,75
	MIN	kW	E	3,75	4,29	4,96	8,57	9,81
RE electrical resistance	230-1-50 V	kW		-	1,5	2,5	2,5	3
❺ Air flow speed	MAX	m³/h		535	710	880	1165	1770
	MED	m³/h		380	445	610	870	1130
	MIN	m³/h		310	310	360	630	710
❻ Sound power	MAX	dB(A)	E	47	54	60	48	57
	MED	dB(A)	E	39	43	50	39	47
	MIN	dB(A)	E	33	33	37	33	34
❼ Sp. sound pressure	MAX	dB(A)		38	45	51	39	48
	MED	dB(A)		30	34	41	30	38
	MIN	dB(A)		24	24	28	24	25
❽ Absorbed power	MAX	W	E	16	31	62	33	108
	MED	W	E	8	11	21	17	32
	MIN	W	E	5	5	7	10	10
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]	MAX	kW	E	2,75	3,9	4,47	6,48	9,76
	MED	kW	E	2,17	2,8	3,51	5,26	7,14
	MIN	kW	E	1,85	2,09	2,37	4,29	4,97
❷ Heating capacity of additional coil (65°C) [EN1397]	MAX	kW	E	3,18	2,91	3,29	8,24	8,33
	MED	kW	E	2,51	2,2	2,66	6,65	6,27
	MIN	kW	E	2,14	1,74	1,92	5,41	4,58
❸ Heating capacity of additional coil (70°C) [EN1397]	MAX	kW	E	3,64	3,38	3,85	9,39	9,62
	MED	kW	E	2,86	2,54	3,08	7,56	7,19
	MIN	kW	E	2,44	1,99	2,21	6,15	5,23
❹ Air flow speed	MAX	m³/h		535	710	880	1165	1770
	MED	m³/h		380	445	610	870	1130
	MIN	m³/h		310	310	360	630	710
❺ Sound power	MAX	dB(A)	E	47	54	60	48	57
	MED	dB(A)	E	39	43	50	39	47
	MIN	dB(A)	E	33	33	37	33	34
❻ Sp. sound pressure	MAX	dB(A)		38	45	51	39	48
	MED	dB(A)		30	34	41	30	38
	MIN	dB(A)		24	24	28	24	25
❽ Absorbed power	MAX	W	E	16	31	62	33	108
	MED	W	E	8	11	21	17	32
	MIN	W	E	5	5	7	10	10
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

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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 m<sup>3</sup> and reverberation time = 0.5 sec.
- E Eurovent certified performance.
- ② 2 pipes
  - ④ 4 pipes
- Performance refers to the motor's input signal: 10V – 5V – 1V at MAX – MED – MIN speed.



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