Bi2 AIR SL SLR

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Compatible with:
SiOS CONTROL

Ultraslim fan coil units, SL and SLR versions

INTEGRAL DESIGN
Front and side panels are joined for easy installation and maintenance.

MULTISET CONTROL
Integrated electronics allows touch operation, remote control and home automation connection.

FEATURES

- Heats, Cools, Dehumidifies and Filters.
- Integral aesthetics with intake from the lower side.
- Front in metal, sides in ABS.
- Compact: Min thickness 12,9 cm max 15 cm.
- Range consisting of 5 power modules.
- DC brushless motor.
- Monobloc body for work in comfort.
- Motorised steel air delivery flap.
- Anti-intrusion grilles on the air intake and outlet.
- Removable filters placed on the air intake.
- Remote control supplied (only for TR control).
- Available in the colours: ☐ White RAL 9003

INTEGRATED CONTROLS AS STANDARD

TR (Touch Remote) CONTROL:
includes on-board touch control and remote control (supplied). Additionally, through a combination of keys, it is possible to remotely* control with a B0736 wall remote control or a home automation control (SiOS Control by Olimpia Splendid or MyHome by Bticino), via the Modbus RS485 ASCII serial protocol.
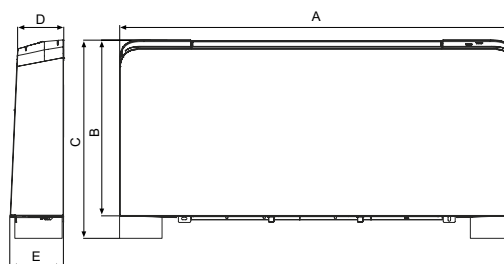
AR (Analog Remote) CONTROL:
allows remote control by interfacing with wall controls or home automation control systems via 0-10V analog input or contacts (for fan coil radiators, use the contact mode). It has a 230Vac output for control of a solenoid valve and a water probe inlet with the function of a minimum probe (for both modes of remote control). **AR models on request.**

LAYOUT, DIMENSIONS, WEIGHT

1. Heat exchanger battery
2. High efficiency radiant heating panel (SLR version)
3. Tangential fan
4. Brushless DC electric motor
5. Air delivery flap and anti-intrusion delivery grille
6. Condensation trap
7. Front body in electrogalvanised sheet metal
8. Anti-intrusion intake grille
9. Sides in ABS
10. On-board touch control (TR version)

SLR ONLY

		200	400	600	800	1000
A	mm	695	895	1095	1295	1495
B	mm	599	599	599	599	599
C	mm	679	679	679	679	679
D	mm	129	129	129	129	129
E	mm	150	150	150	150	150
Weight SL	kg	11.5	13.0	15.5	18.5	21.5
Weight SLR	kg	13.5	15.5	19.5	22.5	25.5

INSTALLATION
Floor mounted, wall mounted or (only for SL versions) ceiling mounted.**

SL ONLY

* With the exception of the combination with SIOS Control, in all other cases: Touch control on the machine, air probe on the machine and remote control disabled
**Ceiling installation: kits required for ceiling installation and foot kit. The foot kit is optimised for floor installation.

BMS

HEAT PUMPS

FAN COIL UNITS

HRV

UNICO

MONO AND MULTISPLIT

PORTABLES

OLIMPIA SPLENDID

OUT

TECHNICAL DATA					200			400			600			800			1000		
SL Air inverter (with TR command)					01851			01852			01853			01854			01855		
SL Air inverter (with AR command)					01767			01768			01769			01770			01771		
SLR Air inverter (with TR command)					01856			01857			01858			01859			01860		
SLR Air omvormer (with AR command)					01772			01773			01774			01775			01776		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.38	0.71	0.82	0.91	1.34	1.74	1.50	2.10	2.54	1.98	2.69	3.29	2.17	3.25	3.78
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.26	0.50	0.64	0.65	1.02	1.25	1.10	1.56	1.94	1.54	2.09	2.54	1.71	2.42	2.98
Fluid flow rate	a27/19 - w7/12	(a)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	3.8	10.6	13.1	2.4	5.5	8.2	7.5	14.2	19	7.3	13.8	18.7	5.7	13.1	18.2
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	0.64	0.84	1.05	1.25	1.65	2.31	1.75	2.56	3.12	2.21	3.10	4.10	3.05	3.77	4.67
Fluid flow rate	a20/15 - w50/-	(b)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	3.2	8.8	10.9	2.0	4.6	6.8	6.2	11.8	15.8	6.1	11.5	15.5	4.7	10.9	15.1
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	0.54	0.70	0.88	1.06	1.39	1.94	1.46	2.14	2.60	1.85	2.60	3.44	2.56	3.16	3.91
Fluid flow rate	a20/15 - w45/40	(c)		l/h	91.9	119.9	150.0	181.9	238.1	330.3	250.6	365.7	444.6	316.6	444.8	587.9	438.1	541.0	668.5
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	5.7	8.8	12.2	2.9	4.8	7.9	5.8	11.8	16.0	4.1	8.9	14.2	6.4	9.8	13.9
Absorbed power			(E)	W	5	7	11	6	9	19	7	11	20	8	12	24	9	14	27
Sound Power Lw (A)			(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54	42	48	54
Sound pressure Lp (A)			(d)	dB(A)	29	36	43	30	37	44	32	38	44	33	39	45	33	39	45
Air flow rate			(f)	m3/h	100	130	160	190	250	320	280	360	460	350	450	575	400	510	650
Battery water content				l	0.47			0.8			1.13			1.46			1.8		
Maximum operating pressure				bar	10			10			10			10			10		
Hydraulic fittings				inch	Eurocone 3/4			Eurocone 3/4			Eurocone 3/4			Eurocone 3/4			Eurocone 3/4		
Electrical power supply				V/ph/Hz	230/1/50			230/1/50			230/1/50			230/1/50			230/1/50		
Max static heating efficiency (50°C)				kW	0.37			0.42			0.5			0.62			0.77		
Max static heating efficiency (70°C)				kW	0.59			0.71			0.84			1.04			1.28		
Water content of the radiant panel				l	0.19			0.27			0.35			0.43			0.50		

SLR ONLY (label for last three rows)

The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C

(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

ACCESSORIES

			SL	SLR
CONTROLS	B0736	Wall-mounted Modbus chrono-thermostat kit	TR	TR
	B0921	Contact touch wall-mounted thermostat kit	AR	—
	INDRZ	Addressing of the Modbus control kit	TR	TR
HYDRAULICS KIT	B0839	LH-RH connection rotation extension kit	O	O
	B0832	2-way valve group kit with 4-wire actuator	O	O
	B0834	3-way valve group kit with 4-wire actuator	O	O
	B0205	Manual 2-way valve group kit	O	O
	B0204	Manual 2-way valve insulation kit	O	O
	B0200	Adapter connection kit for 1/2" gas thread	O	O
	B0201	Adapter connection kit for 3/4" gas thread	O	O
	B0203	Eurokonus 90° bending connection kit	O	O

ACCESSORIES

			SL	SLR
	B0852	Floor mounting bracket kit	≤ 1000	≤ 1000
	B0853	Aesthetic kit feet for covering	≤ 1000	≤ 1000
AESTHETIC KITS	B0847	Back panel	200	200
	B0848	Back panel	400	400
	B0849	Back panel	600	600
	B0850	Back panel	800	800
	B0851	Back panel	1000	1000
	B0520	Ceiling-mount kit (condensation trap)	200	—
	B0521	Ceiling-mount kit (condensation trap)	400	—
	B0522	Ceiling-mount kit (condensation trap)	600	—
	B0523	Ceiling-mount kit (condensation trap)	800	—
	B0524	Ceiling-mount kit (condensation trap)	1000	—

O Optional accessory | — Accessory not compatible

Accessory description on page 92

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.