

# Bi2 AIR

SL

SLR



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

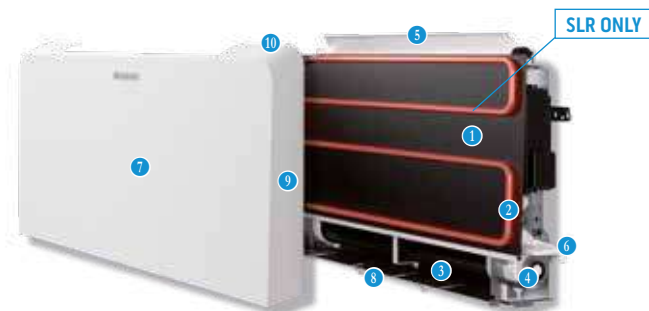
### INTEGRATED CONTROLS AS STANDARD

**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.

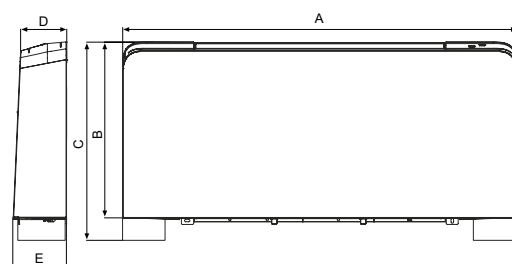
**AR (Analog Remote) CONTROL:** allows remote control by interfacing with wall controls or home automation control systems via 0-10V analog input or contacts (for radiant fan coil use the contact mode). It has a 230Vac output for control of a solenoid valve and a water probe inlet with the function of a minimum probe (only for use in contact mode). **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. Condensate trap
7. Front body in electrogalvanised sheet metal
8. Anti-intrusion intake grille
9. Sides in ABS
10. On-board touch control (TR version)



		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.\*\*



\* 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: ceiling mounting kit and feet kit are necessary

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				
SFC ONLY	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			

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
COMMANDS	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
	BMS00	Configuration for management with BMS systems - AR controls	AR	AR
ELECTRICAL KITS	B0839	LH-RH connection rotation extension kit	○	○
	B0832	2-way valve group kit with 4-wire actuator	○	○
HYDRAULICS KIT	B0834	3-way valve group kit with 4-wire actuator	○	○
	B0205	Manual 2-way valve group kit	○	○
	B0204	Manual 2-way valve insulation kit	○	○
	B0200	Adapter connection kit for 1/2" gas thread	○	○
	B0201	Adapter connection kit for 3/4" gas thread	○	○
	B0203	Eurokonus 90° bending connection kit	○	○

○ Optional accessory | — Accessory not compatible

## ACCESSORIES

		SL	SLR
AESTHETIC KITS	B0852	Floor mounting bracket kit	≤ 1000 ≤ 1000
	B0853	Aesthetic kit feet for covering	≤ 1000 ≤ 1000
	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 (condensate trap)	200 —
	B0521	Ceiling-mount kit (condensate trap)	400 —
	B0522	Ceiling-mount kit (condensate trap)	600 —
	B0523	Ceiling-mount kit (condensate trap)	800 —
	B0524	Ceiling-mount kit (condensate trap)	1000 —

Accessory description on page 88