

Bi2 SMART



Compatible with:
SIOS
CONTROL

Ultraslim fan coil units, SL and SLR versions



TOTAL FLAT DESIGN

Linear aesthetics (with bottom suction system) for maximum integration with the surrounding architecture.



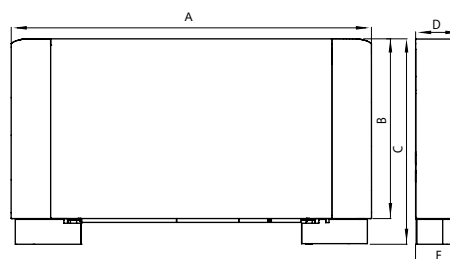
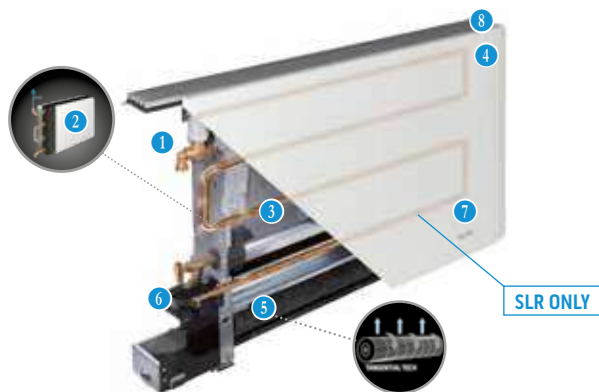
FEATURES

- Air Conditioning, Dehumidifying, Heating and Filtering
- Compact: Min thickness 12,9 cm - max 15 cm
- Range consisting of 5 power models
- Brushless DC motor
- Metal front, Smart ABS sides
- Total Flat aesthetics with intake system from the lower side
- Available in the colours: White RAL 9010

LAYOUT, DIMENSIONS, WEIGHT

1. Valve with thermoelectric actuator (accessory kit)
2. Tubular radiant heating panel (SLR version)
3. High-efficiency battery
4. Water temperature probe
5. High-efficiency tangential fan
6. Condensate trap
7. Brushless DC motor inverter
8. Electronic control (accessory kit)

		200	400	600	800	1000
A	mm	759	959	1159	1359	1559
B	mm	579	579	579	579	579
C	mm	659	659	659	659	659
D	mm	129	129	129	129	129
E	mm	150	150	150	150	150
Weight SL	kg	11,5	13	15,5	18,5	21,5
Weight SLR	kg	13,5	15,5	19,5	22,5	-



INSTALLATION

Installation floor mounted, wall mounted or (only for SL versions) ceiling-mounted.*



*Ceiling installation: ceiling mounting kit and feet kit are necessary

TECHNICAL DATA				200			400			600			800			1000			
SL Smart inverter				01634			01635			01636			01637			01638			
SLR Smart inverter				01629			01630			01631			01632			-			
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)		m ³ /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					
Hydraulic fittings				inch	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					
SLR ONLY	Max static heating efficiency (50°C)			kW	0.37			0.42			0.5			0.62					
	Max static heating efficiency (70°C)			kW	0.59			0.71			0.84			1.04					
	Water content of the radiant panel			l	0.19			0.27			0.35			0.43					

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	B0673 On-board autonomous electronic control kit	○	○
	B0828 On-board autonomous flat touch control kit	○	○
	B0756 Electronic contacts/0-10V remote control kit	○	○
	B0736 Wall-mounted Modbus chrono-thermostat kit	○	○
	B0921 Contact touch wall-mounted thermostat kit	○	—
INDRZ Addressing of the Modbus control kit	○	○	
ELECTRICAL KITS	B0632 LH-RH connection rotation extension kit	≤600	≤600
	B0633 LH-RH connection rotation extension kit	≥800	≥800
HYDRAULICS KIT	B0832 2-way valve group kit with 4-wire actuator	○	○
	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	B0683 Floor mounting bracket kit	○	○
	B0682 Aesthetic kit feet for covering	○	○
	B0677 Back panel	200	200
	B0678 Back panel	400	400
	B0679 Back panel	600	600
	B0680 Back panel	800	800
	B0681 Back panel	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

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. B0828 not sold separately, but already installed on board the machine.