

FAN COIL UNITS

# BI2 SMART

[S1]



Size	<b>200, 400, 600, 800</b>
Type	<b>with aesthetics</b>
Design	<b>ultraslim</b>
Radiant technology	✓



### Total flat design

The air intake system located on the lower side allows the grilles to be hidden from view and ensures a clean and linear aesthetic for better integration of the unit with the rear wall.

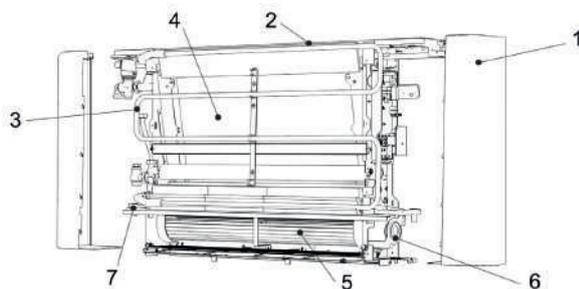
### Radiant technology

Terminals also available in the fan coil radiant version (SLR), with coil heating panel in addition to the coil. The integrated radiant technology allows the room to be kept warm in heating mode even with the fan switched off, improving acoustic comfort and optimising electrical consumption.



- Cooling**
- Heating**
- Dehumidification**
- Ventilation**
- Auto Mode**
- Keyboard Lock**
- Sleep Mode**
- Timer**

### LAYOUT



1. Metal front panel and ABS side panels
2. Air supply grille
3. High efficiency radiant heating panel (SLR version)
4. Heat exchanger battery
5. Tangential fan
6. Brushless DC electric motor
7. Condensate trap
- Water temperature probe

### INSTALLATION



Floor-standing, with foot kit.

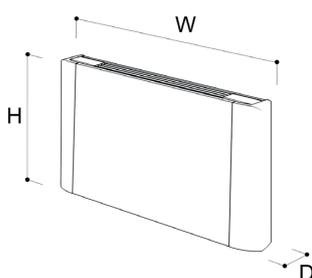


Low-walled.



Ceiling mounted (SL versions only).

## DIMENSIONS AND WEIGHT



		200	400	600	800
W	mm	759	959	1159	1359
H	mm	579	579	579	579
D	mm	129   150	129   150	129   150	129   150
WEIGHT	kg	SL 11.5	SL 13.0	SL 15.5	SL 18.5
		SLR 13.5	SLR 15.5	SLR 19.5	SLR 22.5

## COMPATIBLE ACCESSORIES

		SL	SLR			SL	SLR			
CONTROLS	INDRZ	Addressing of the Modbus control kit	B0872	B0872	HYDRAULICS	B0204	Manual 2-way valve insulation kit	o	o	
	B0872	On-board autonomous flat touch control kit	o	o		B0200	Adapter connection kit for 1/2" gas thread	o	o	
	B0873	Electronic contacts/0-10V remote control kit	o	o		B0201	Adapter connection kit for 3/4" gas thread	o	o	
	B1236	Wireless programmable thermostat	B0872	B0872		B0203	Eurokonus 90° bending connection kit	o	o	
	B1237	S1 wireless kit	B0872	B0872		AESTHETICS	B0938	Floor mounting bracket kit	o	o
	B0736	Modbus wall-mounted programmable thermostat kit	B0872	B0872			B0937	Aesthetic kit feet for covering	o	o
	B0921	Contact touch wall-mounted thermostat kit	B0873	-			B0982	Aesthetic ceiling feet kit	o	-
B1130	Wireless kit	B0872	B0872	B0520	Ceiling-mount kit (condensate trap)		200	-		
ELECTRIC	B0633	LH-RH connection rotation extension kit	o	o	B0521		Ceiling-mount kit (condensate trap)	400	-	
	HYDRAULICS	B0832	2-way valve group kit with 4-wire actuator	o	o	B0522	Ceiling-mount kit (condensate trap)	600	-	
B0834		3-way valve group kit with 4-wire actuator	o	o	B0523	Ceiling-mount kit (condensate trap)	800	-		
B0205		Manual 2-way valve group kit	o	o						

● Standard accessory; ○ Optional accessory; - Incompatible accessory

When compatibility is only possible with certain sizes or models, the information is given in the table. Accessory description available at end of chapter.

## TECHNICAL DATA

		200			400			600			800				
		02122 02127			02123 02128			02124 02129			02125 02130				
Fan speed		Low	Medium	High	Low	Medium	High	Low	Medium	High	Low	Medium	High		
SL ONLY	<b>SL SMART S1 B DC</b>														
	<b>SLR SMART S1 B DC</b>														
	<b>Total power output in cooling mode</b>	a27/19 - w7/12 (a) (E)	kW	0,38	0,71	0,82	0,91	1,34	1,74	1,5	2,1	2,54	1,98	2,69	3,29
	<b>Sensitive power output in cooling mode</b>	a27/19 - w7/12 (a) (E)	kW	0,26	0,5	0,64	0,65	1,02	1,25	1,1	1,56	1,94	1,54	2,09	2,54
	<b>Fluid flow rate</b>	a27/19 - w7/12 (a)	I/h	66,2	123,3	142,9	157,6	232	302,5	259,2	363,1	440,3	341,9	464,7	570
	<b>Water side head loss</b>	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
	<b>Total power output in heating mode</b>	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	3,1	4,1
	<b>Fluid flow rate</b>	a20/15 - w50/- (b)	I/h	66,2	123,3	142,9	157,6	232	302,5	259,2	363,1	440,3	341,9	464,7	570
	<b>Water side head loss</b>	a20/15 - w50/- (b) (E)	kPa	3,2	8,8	10,9	2	4,6	6,8	6,2	11,8	15,8	6,1	11,5	15,5
	<b>Total power output in heating mode</b>	a20/15 - w45/40 (c) (E)	kW	0,54	0,7	0,88	1,06	1,39	1,94	1,46	2,14	2,6	1,85	2,6	3,44
	<b>Fluid flow rate</b>	a20/15 - w45/40 (c)	I/h	91,9	119,9	150	181,9	238,1	330,3	250,6	365,7	444,6	316,6	444,8	587,9
	<b>Water side head loss</b>	a20/15 - w45/40 (c) (E)	kPa	5,7	8,8	12,2	2,9	4,8	7,9	5,8	11,8	16	4,1	8,9	14,2
	<b>Absorbed power</b>	(E)	W	5	7	11	6	9	19	7	11	20	8	12	24
	<b>Sound Power Lw (A)</b>	(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54
	<b>Sound pressure Lp (A)</b>	(d)	dB(A)	29	36	43	30	37	44	32	38	44	33	39	45
<b>Air flow rate</b>	(f)	m3/h	100	130	160	190	250	320	280	360	460	350	450	575	
<b>Battery water content</b>		l	0,47			0,8			1,13			1,46			
<b>Maximum operating pressure</b>		bar	10			10			10			10			
<b>Hydraulic fittings</b>		inch	Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			
<b>Electrical power supply</b>		V/ph/Hz	230/1/50			230/1/50			230/1/50			230/1/50			
<b>Max static heating efficiency (50°C)</b>		kW	0,37			0,42			0,5			0,62			
<b>Max static heating efficiency (70°C)</b>		kW	0,59			0,71			0,84			1,04			
<b>Water content of the radiant panel</b>		l	0,19			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) Euroflow certified data

(f) Air flow rate measured with clean filters