

Bi2 WALL

Slim high-wall fan coil units



Compatible with:
SIOS CONTROL



COMPACT DESIGN

Specifically designed to minimise volume and expand the possibilities for over-door installation. With equal power, it is among the most compact on the market.



FAMILY FEELING

Similar design as the Bi2 Air terminal to allow aesthetically coordinated installations in the same environment.



MULTISET CONTROL

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



FEATURES

- Heats, cools, dehumidifies and filters.
- DC brushless motor
- Total flat aesthetics.
- Range composed of 3 power models.
- Terminal unit supplied with 2 or 3-way valve integrated with 4-wire electro-thermal actuator.
- Single-piece body for working comfortably.
- Steel air delivery flap, motorised.
- Extractable filters located on the air intake.
- Remote control supplied (only for TR control).
- Optional condensation drain pump.
- Available in the colours: White RAL 9003

INTEGRATED CONTROLS AS STANDARD

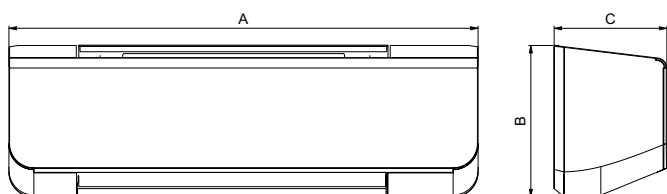
TR (Touch Remote) CONTROL:

includes on-board touch control and remote control (supplied). Additionally, through a combination of keys, it is possible to obtain remote* control with the B1130 WiFi kit, with a B0736 wall remote control or a home automation control (SIOS Control by Olimpia Splendid or MyHome by Bticino), via the Modbus RS485 serial protocol (ASCII or RTU).

AR (Analogic Remote) CONTROL:

Allows remote control by interfacing with wall controls or home automation control systems via 0-10V analogue 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



		1000	1200	1400
A	mm	940	940	940
B	mm	303	303	303
C	mm	226	226	226
Weight	kg	11	12	12

INSTALLATION

High-wall



* In case of combination with B0736 or Bticino home automation: Touch control on the machine, air probe on the machine and remote control disabled

TECHNICAL DATA				1000			1200			1400			
SLW inverter (with 2-way valve and TR command)				02467			02459			02463			
SLW inverter (with 2-way valve and AR command)				02468			02460			02464			
SLW inverter (with 3-way valve and TR command)				02465			02457			02461			
SLW inverter (with 3-way valve and AR command)				02466			02458			02462			
Fan speed				Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	1.10	1.90	2.40	1.90	2.50	3.10	2.20	3.20	3.90
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.91	1.55	1.98	1.62	2.10	2.59	1.86	2.68	3.33
Fluid flow rate	a27/19 - w7/12	(a)		l/h	195.9	326.4	411.2	325.7	428.9	532.3	378.3	549.2	665.9
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	7.2	19.4	32.4	14.8	24.2	36.8	19.1	39.1	58.2
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	1.59	2.62	3.31	2.67	3.40	4.17	3.02	4.30	5.05
Fluid flow rate	a20/15 - w50/-	(b)		l/h	195.9	326.4	411.2	325.7	428.9	532.3	378.3	549.2	665.9
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	6.8	18.6	31.6	14.1	23.2	34.9	18.5	38.3	56.6
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	1.43	2.37	2.91	2.30	2.94	3.61	2.62	3.72	4.59
Fluid flow rate	a20/15 - w45/40	(c)		l/h	237.8	399.3	500.2	395.1	506.3	620.4	450.1	640.2	789.8
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	10.0	28.1	42.9	21.0	33.9	50.1	27.2	52.9	80.1
Absorbed power			(E)	W	8	15	22	9	14	21	11	23	38
Sound Power Lw (A)			(E)	dB(A)	37	45	51	38	43	48	40	50	56
Sound pressure Lp (A)		(d)		dB(A)	23	32	39	24	30	36	27	37	44
Air flow rate		(f)		m ³ /h	227	393	517	389	510	640	450	661	856
Battery water content				l		0.75			0.97			0.97	
Maximum operating pressure				bar		8			8			8	
Hydraulic fittings				inch		Piana 1/2			Piana 1/2			Piana 1/2	
Electrical power supply				V/ph/Hz		230/1/50			230/1/50			230/1/50	
Max static heating efficiency (50°C)				kW		-			-			-	
Max static heating efficiency (70°C)				kW		-			-			-	
Water content of the radiant panel				l		-			-			-	

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

SLW

CONTROLS	Code	Description	Model
	B0736	Wall-mounted Modbus chrono-thermostat kit	TR
	B0921	Contact touch wall-mounted thermostat kit	AR
	INDRZ	Addressing of the Modbus control kit	TR
	B1130	Wireless kit	TR
	B0983	Condensation pump kit	≥ 1000

Accessory description on page 92

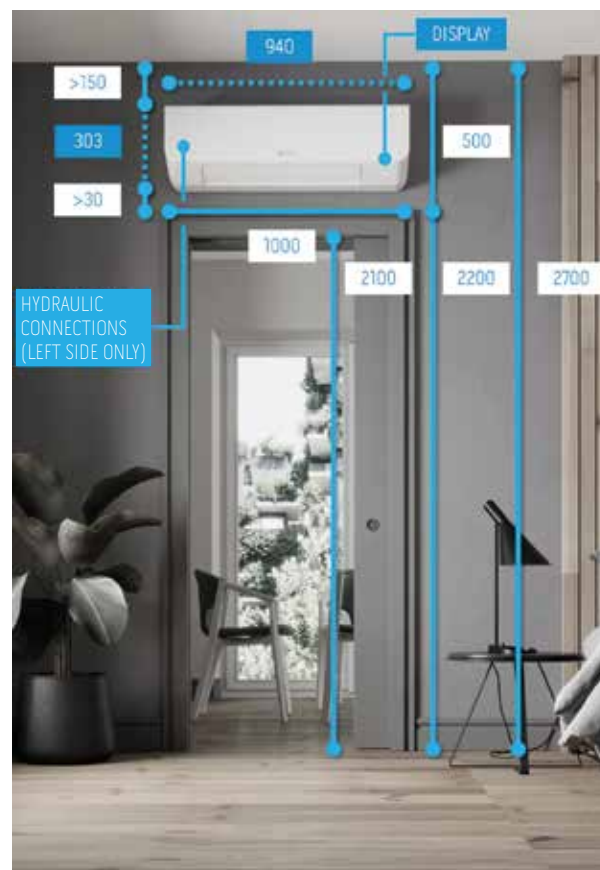
A concentration of power and design above the door

With one of the lowest sound pressure levels in the category, Bi2 Wall slim has been carefully designed to achieve one of the highest power/volume ratios on the market. This compactness allows for easy installation above the door in most situations.

The space above the door is in fact almost always unused and is therefore perfect for installing the terminal unit used for the comfort of the room.

The optional kit for condensation pump allows solving even the most complex drainage situations, where the slopes do not allow a natural discharge of the water.

Its features therefore make it the perfect terminal not only for new buildings with limited space, but also for more complex renovations with high performance demands.



Please note: 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.