FAN COIL UNITS

BI2 WALL
[ULTRASLIM]

Size	**400, 600, 800**
Type	**high wall**
Design	**ultraslim**

BMS SiOS

Reversible installation

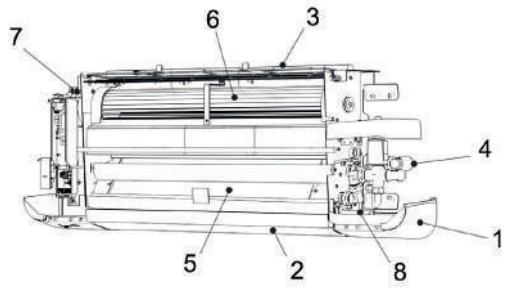
It can be installed as a high-wall split (high-wall configuration) or as a low-wall console machine (console configuration). Depending on the installation configuration, a combination of keys on the on-board control will rotate the display digits.

Multiset Control

Possibility of remote control with wall controls or home automation system, through 2 different methods: 0-10V analogue input or contacts (AR versions) or Modbus RS485 ASCII or RTU serial protocol (TR versions). For TR versions, possibility of remote control using the wireless kit (optional) and the remote control (standard) or directly via the on-board touchscreen interface (standard).

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

LAYOUT



1. Monobloc front casing in electrogalvanised sheet metal with ABS side panels
2. Steel air delivery flap (motorised)
3. Anti-intrusion air intake grille with removable filters
4. Hydraulic connections with integrated 2-way or 3-way 4-wire valve
5. Heat exchanger battery
6. Tangential fan
7. Brushless DC electric motor
8. Condensate trap

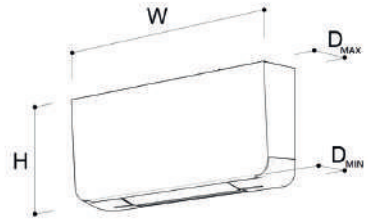
• Water temperature probe

INSTALLATION


Low-walled.


High wall

DIMENSIONS AND WEIGHT



		400	600	800
W	mm	906	1106	1306
H	mm	380	380	380
D	mm	129 | 150	129 | 150	129 | 150
WEIGHT	kg	**13.0**	**14.5**	**16.0**

COMPATIBLE ACCESSORIES

CONTROLS	INDRZ	Addressing of the Modbus control kit	TR
	B1236	Wireless programmable thermostat NEW	TR
	B1237	S1 wireless kit NEW	TR

CONTROLS	B0736	Modbus wall-mounted programmable thermostat kit	TR
	B0921	Contact touch wall-mounted thermostat kit	AR
	B1130	Wireless kit	TR

● 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					400			600			800		
SLW DC V2V TR SLW DC V2V AR SLW DC V3V TR SLW DC V3V AR					01784 01875 01787 01878			01785 01876 01788 01879			01786 01877 01789 01880		
Fan speed					Low	Medium	High	Low	Medium	High	Low	Medium	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0,52	0,71	1,01	0,69	0,89	1,23	0,77	1,09	1,82
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0,42	0,59	0,91	0,58	0,80	1,15	0,65	0,95	1,47
Fluid flow rate	a27/19 - w7/12	(a)		l/h	90,6	124,0	177,0	120,1	155,1	215,5	134,0	189,7	317,7
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	2,8	5,2	8,9	4,9	6	7,9	2,1	4,8	11
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	0,67	0,99	1,55	0,98	1,37	2,16	1,14	1,68	2,85
Fluid flow rate	a20/15 - w50/-	(b)		l/h	90,6	124,0	177,0	120,1	155,1	215,5	134,0	189,7	317,7
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	2,4	4,5	7,1	1,9	2,9	2,5	2,0	4,6	8,8
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	0,58	0,86	1,40	0,86	1,20	1,90	0,99	1,45	2,50
Fluid flow rate	a20/15 - w45/40	(c)		l/h	99,1	146,3	237,5	146,5	204,6	322,8	168,1	247,8	425,4
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	3,4	6,7	11,6	6,7	11,9	5,4	8,5	16,4	15,3
Absorbed power			(E)	W	7	11	19	8	12	23	9	13	27
Sound Power Lw (A)			(E)	dB(A)	43	49	57	43	50	58	43	50	58
Sound pressure Lp (A)		(d)		dB(A)	34	40	48	34	41	49	34	41	49
Air flow rate		(f)		m3/h	140	190	290	190	260	400	200	280	430
Battery water content				l	0,3			0,4			0,5		
Maximum operating pressure				bar	8			8			8		
Hydraulic fittings				inch	Eurocono 3/4			Eurocono 3/4			Eurocono 3/4		
Electrical power supply				V/ph/Hz	230/1/50			230/1/50			230/1/50		

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