Bi2 Air
SL Air inverter

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

The fan coil with **Integral Design**. With **Multiset Control** for all configurations
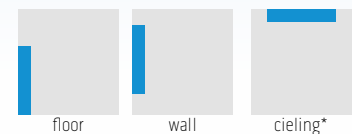
Design by S. Ercoli & A. Garlandini

Remote control supplied

FEATURES

Cools, Dehumidifies, Heats and Filters

Essential aesthetics with intake from the lower side

Metal front panel, sides in ABS

Compact: thickness of just 12,9 cm, max 15 cm

5 sizes available

DC brushless Motor

Unique front body for comfortable working

Motorised, steel air supply flap

Anti-intrusion grids on air intake and outlet

Removable filters on air intake

Remote control unit supplied (for TR control only)

Installation:

| floor | wall | cieling* |

Available in colors: ☐ White RAL 9003

Compatible with My Home by **bticino**

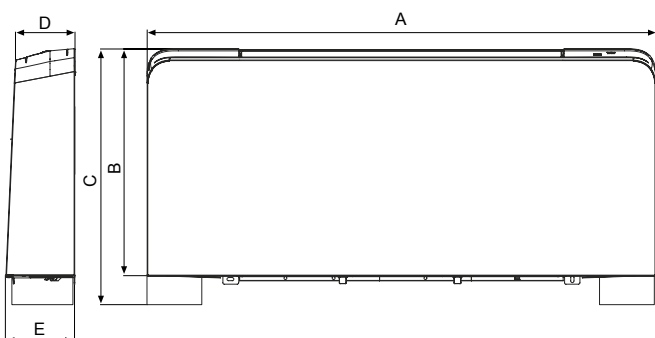## MULTISET CONTROL

THE TR (Touch Remote):
model envisions touch control on the machine and a remote control unit (supplied). Furthermore, via a selection of keys, remote control is possible with an Olimpia Splendid wall control unit or home automation, through the Modbus RS485 signal protocol.

THE AR (Analogic Remote):
model allows universal remoting to be configured for all wall-installed control units and home automation systems, through the 0-10V analogue or 4 speed digital signal protocol.
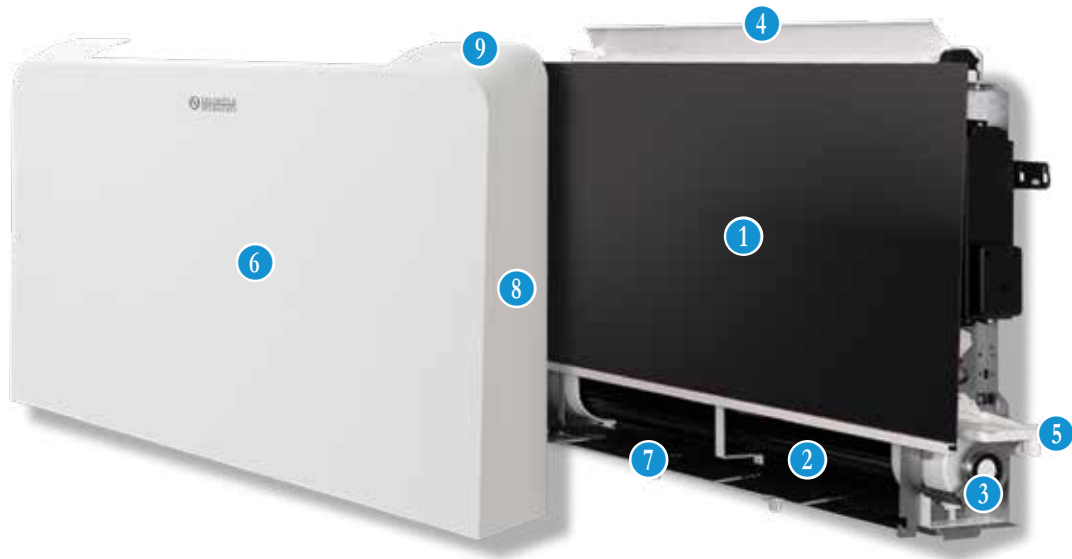
*touch control on the machine and remote control disabled

MODEL		Bi2 air (SL air)				
		SL air 200	SL air 400	SL air 600	SL air 800	SL air 1000
Bi2 SL air with command TR	code	01851	01852	01853	01854	01855
Bi2 SL air with command AR	code	01767	01768	01769	01770	01771

		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
Net weight	kg	11,5	13,0	15,5	18,5	21,5

* Needed ceiling mounting kit and feet kit

1. Heat exchange coil
2. Tangential fan
3. Electric motor with resin-coated pack
4. Air supply flap and anti-intrusion supply grid
5. Condensation collector basin
6. Front body panel in electro-galvanised sheet steel
7. Anti-intrusion intake grid
8. Abs side panels
9. Touch control on machine (TR version)

MODEL			Bi2 SL air				
			200	400	600	800	1000
(a) Total cooling capacity	(E)	kW	0,82	1,74	2,54	3,29	3,78
Sensible cooling capacity	(E)	kW	0,64	1,25	1,94	2,54	2,98
Water flow rate		lt/h	142	302	446	573	655
Water pressure loss	(E)	kPa	13,1	8,2	19	18,7	18,2
(b) Heating capacity (50°C)	(E)	kW	1,05	2,31	3,12	4,10	4,67
Water flow rate (50°C)		lt/h	84	185	249	329	374
Water pressure loss (50°C)	(E)	kPa	10,9	6,8	15,8	15,5	15,1
(c) Heating capacity (70°C)		kW	1,77	3,88	5,21	6,88	7,83
Water flow rate (70°C)		lt/h	152	334	448	592	673
Water pressure loss (70°C)		kPa	10,9	7,0	14,3	12,7	12,5
Battery water capacity		l	0,47	0,8	1,13	1,46	1,8
Maximum operating pressure		bar	10	10	10	10	10
Water connections		inches	Eurocone 3/4	Eurocone 3/4	Eurocone 3/4	Eurocone 3/4	Eurocone 3/4
(d) Air flow min		m3/h	100	170	180	370	420
(d) Air flow max		m3/h	160	320	460	575	650
Absorbed power min	(E)	W	5	6	7	8	9
Absorbed power max	(E)	W	11	19	20	24	27
Sound power min Lw	(E)	dB(A)	38	39	41	42	42
Sound power max Lw	(E)	dB(A)	52	53	53	54	54
(f) Sound pressure		dB(A)	34	36	37	35	38
Electrical supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50

Performance at maximum ventilation speed
(a) Water temperature in battery inlet 7°C, water temperature in battery outlet 12°C, ambient air temperature 27°C b.s. and 19°C b.u.
(b) Water temperature in battery inlet 50°C, water flow in cooling + panel, inlet ambient air temperature 20°C
(c) Water temperature in battery inlet 70°C, water temperature in battery outlet 60°C, ambient air temperature inlet 20°C
(d) Air flow measured with clean filters
(E) Eurovent certificate
(f) Sound pressure measured at 1,5 m

ACCESSORIES Bi2 Air

	CODE	DESCRIPTION	COMPATIBILITY
	B0151	**Wall control kit** with thermostat, summer/winter selector and speed switch. Wall thermostat with room sensor, On-Off switch, three-speed fan and summer/winter selector. Temperature range setting from 5 ° C to 30 ° C. 230 V supply. It has two 230VAC hot water and cold water solenoid outlets and an inlet water temperature sensor.	Bi2 SL Air with AR command
	B0152	**Recessed control kit** LCD with ambient sensor and thermostat, summer/winter selector and speed switch.Electronic recessed thermostat with ambient sensor, On-Off switch, fan speed selector (min, med, max and auto), ambient temperature, minimum water sensor mode and summer/winter selector. Temperature range setting from 5 ° C to 30 ° C. 230 V supply.	Bi2 SL Air with AR command
	B0736	LCD **wall clock thermostat remote** control kit. Programmable wall LCD thermostat control for MODBUS connection, RS485. Ability to control up to 30 units. Desired temperature selection, operation mode, fan speed, manual/programmable thermostat. Room sensor inserted in control. Backlit LCD. Presence contact input. The control is equipped with a 230/12VAC double insulation power transformer and a buffer battery. Wall installation with center to center distance compatible with standard recessed mounting box 503.	Bi2 SL Air with TR command Bi2 SLR Air TR command **AQUADUE** CONTROL

	CODE	DESCRIPTION
HYDRAULIC KITS	B0832	**2-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch.** Consists of a valve with thermoelectric actuator and holder, the first allows for the control of terminal thermal emissions intercepting water passage; the holder allows the balancing of system load losses. This kit is mandatory in version SLR except in the case of using a 3-way valve kit or in the presence of a collector with thermoelectric heads.
	B0833	**2-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch and by-pass branch with pressure-relief valve.** The kit consists of a valve with thermoelectric actuator, a holder and a bypass with a pressure relief valve, the first allows the control of terminal thermal emissions intercepting water passage; the holder allows the balancing of system load losses while the by-pass maintains the system balanced even with cabinet excluded. This kit is an alternative to the 2-way solenoid valve kit. (Required in SLR version)
	B0834	**3-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch.** Consists of a three-way diverter valve with thermoelectric actuator, and a holder. The first allows the control of terminal thermal emissions intercepting water passage; the holder allows the balancing of system load losses; the by-pass keeps water circulating in the system. This kit is an alternative to the 2-way solenoid valve kit (required in version SLR).
	B0205	**Manual 2-way group valves kit.** Consisting of a valve and a holder, the first allows the cabinet to be manually excluded from the system, while the holder allows the balancing of system load losses.
	B0204	**Manual 2-way valve isolation kit.** Avoids condensation during the cooling operation (already included in the other thermoelectric hydraulic kits).
	B0501	**Spacer kit (No. 1 unit) 3/4 Eurokonus.** Available for multilayer pipes d. 20 mm. (which do not allow adequate bending radii), no. 1 or 2 kit. for machine according to the type of installation.
	B0200 B0201	**Adaptors couple kit.** Allows you to transform the Bi2 3/4 " Eurocone connection into a standard 1/2 "(B0200) or 3/4 " (B0201) gas thread connection.
	B0203	**Kit 90° Eurokonus bend.** Facilitates the connection in case of hydraulic connections with walled pipes
ELECTRICAL KITS	B0839	**Control connection extension kit.** Power and motor sensor electric connection cable for installations where connection positions are rotated (from Left to Right).
RECESSED KIT	B0853	**Feet kit for smart Bi2 air.** Kit of two aesthetic feet for coverage of any floor pipes. Available in white.
	B0852	**Floor fixing bracket kit Bi2 air** Kit support brackets and mounting the floor of the terminal (applications front windows or on non-bearing walls). It also has the function of aesthetic kit (color off white).
	B0847 (200) B0848 (400) B0849 (600) B0850 (800) B0851 (1000)	**Back panel in painted sheet (for front glass applications).**
	B0520 (200) B0521 (400) B0522 (600) B0523 (800) B0524 (1000)	**Bi2 ceiling installation kit (Excluding versions SLR)**