

Bi2 smart

SL smart

Total flat fan coil radiator.

No unsightly grill: total and perfect integration with the building.



FEATURES

Cools, Dehumidifies, Heats and Filters

Compact: thickness of just 12,9 cm

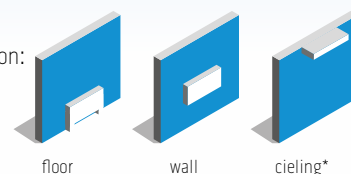
Range consists of 5 power models

AC Motor

Smart sides

Total Flat Aesthetic with integrated vacuum system

installation:



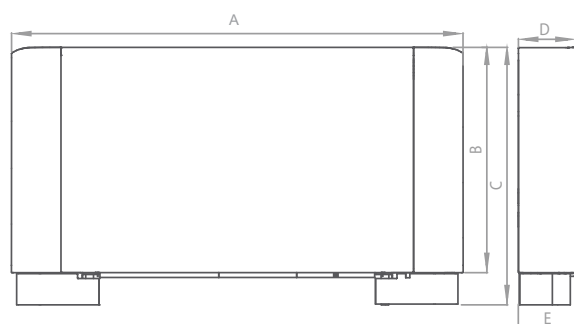
Available in colors: ☐ White RAL 9010

Design by S. Ercoli & A. Garlandini



Bi2 is the winner of the GOOD DESIGN AWARD 2014. Founded in Chicago in 1950, GOOD DESIGN is the oldest and most acknowledged international competition for design excellence.

MODEL		Bi2 smart without heating panel (SL smart)				
		SL smart 200	SL smart 400	SL smart 600	SL smart 800	SL smart 1000
White	cod.	01409	01410	01411	01412	01413



		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	kg	11,5	13	15,5	18,5	21,5

* Front basin kit and feet kit are necessary

- 1 Valve with thermoelectric actuator (accessory kit)
- 2 High Efficiency Coil
- 3 Water temperature sensor
- 4 High efficiency tangential fan
- 5 Condensation collector basin
- 6 Electronic controls (accessory kit)



			Bi2 SL smart				
MODEL			200	400	600	800	1000
Total cooling capacity (a)	(E)	kW	0,81	1,73	2,53	3,27	3,77
Sensible cooling capacity (a)	(E)	kW	0,63	1,24	1,96	2,52	2,97
Water flow rate (a)		lt/h	142	302	446	573	655
Water pressure loss (a)	(E)	kPa	13,1	8,2	19	18,7	18,2
Heating capacity (50°C) (b)	(E)	kW	1,05	2,31	3,12	4,10	4,67
Water flow rate (50°C) (b)		lt/h	84	185	249	329	374
Water pressure loss (50°C) (b)	(E)	kPa	12,2	6,8	15,8	15,5	15,1
Heating capacity (70°C) (c)		kW	1,77	3,88	5,21	6,88	7,83
Water flow rate (70°C) (c)		lt/h	152	334	448	592	673
Water pressure loss (70°C) (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
Air flow min (d)		m³/h	100	170	180	370	420
Air flow max (d)		m³/h	160	320	460	575	650
Absorbed power min	(E)	W	6	9	9	17	19
Absorbed power max	(E)	W	17	28	35	38	43
Sound power min Lw	(E)	dB(A)	38	39	41	39	42
Sound power max Lw	(E)	dB(A)	52	53	53	54	54
Sound pressure (f)		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 **SL** smart

		CODE	DESCRIPTION	COMPATIBILITY
ON BOARD CONTROL		B0659	Built-in electronic control kit. Control with adjustable thermostat, fan speed selection (summer, winter, automatic) and ventilation program (minimum, maximum, night, modulated) and minimum water sensor function. It has an inlet for the presence sensor connection, and two 230VAC outlets for the control of 2 valves.	
		B0371 OUT OF STOCK	Built-in electronic control kit. Control with adjustable thermostat, fan speed selection (summer, winter, automatic) and ventilation program (minimum, maximum, night, modulated) and minimum water sensor function. It has an inlet for the presence sensor contact connection, a 230VAC outlet for the solenoid valve control, and contacts to enable the boiler or chiller.	
		B0855 NEW	Touch flat design built-in control kit. Back-lit display with desired temperature visualization, real-touch switches, mode of operation and fan speed selection. Control with adjustable thermostat, fan speed selection (summer, winter, automatic) and ventilation program (minimum, maximum, night, modulated) and minimum water sensor function. It has an inlet for the presence sensor contact connection, a 230VAC outlet for the solenoid valve control. Remote control provided. Can be remote controlled via a combination of keys for connection with Modbus RS485 protocol. Command pre-configured on the machine (cannot be ordered separately).	B0736  My Home by 
		B0772 OUT OF STOCK	Touch design built-in control kit. Back-lit display with desired temperature visualization, real-touch switches, mode of operation and fan speed selection. Control with adjustable thermostat, fan speed selection (summer, winter, automatic) and ventilation program (minimum, maximum, night, modulated) and minimum water sensor function. It has an inlet for the presence sensor contact connection, a 230VAC outlet for the solenoid valve control. Remote control provided.	
		B0658 OUT OF STOCK	Built-in electronic autonomous control kit without thermostat. Built-in control with speed selection and ventilation. It has a 230VAC outlet at for the control of a solenoid valve. It is fitted for connection of an enabling contact or outdoor thermostat (Minimum contact flow: 2A-250Vac).	B0336
REMOTE CONTROL		B0372 OUT OF STOCK	Electronic control kit for remotization . The main operating parameters, set point and ambient temperature are transmitted from the remote control B0373 or B0736 to all connected fan coils on the network, enabling a seamless operation. It has a 230VAC outlet for the control of a solenoid valve, two clean contacts for the control of a chiller or a boiler, and a presence inlet. Operation in MODBUSprotocol, RS485.	B0736  My Home by 
		B0707	Electronic control kit for remotization for 5 speed Fan (selectable between 5 available) and 2 solenoid valves. Fan control kit with motor feedback with speed gauge generator. No need to configure controls depending on the size of the fan coil. Electronic remote board solenoid valves actuating contacts. From same control B0151 or B0152 you can control up to 10 terminals equipped with Bi2 B0707.	B0151 B0152
		B0151 OUT OF STOCK	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.	B0707
		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.	B0707
		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.	B0855 B0372 
	Addressing for Bticino management and AQUADUE Control	INDRZ	Mandatory factory addressing of the remote control kits in the case of remote management via Modbus connection with AQUADUE Control or Bticino MYHome	

		CODE	DESCRIPTION
HYDRAULIC KITS		B0139 B0832	2 way group valves with thermoelectric actuator kit. 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.
		B0641 B0833	2-way valves group kit with thermoelectric actuator and bypass branch with pressure relief valve. 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)
		B0635 B0834	3-way group valves kit with thermoelectric actuator. 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).
			The valve unit kits with thermoelectric actuator are recommended for the following command kits to activate chiller and boiler: B0659 - B0673 - B0707 - B0774 - B0772 - B0828 - B0756
		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. Also allowed when solenoid valves on the collector are managed by the control kit of terminal Bi2.
		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		B0336	Minimum temperature thermostat kit. Only compatible with B0658.
		B0459	Control connection extension kit. Power and motor sensor electric connection cable for installations where connection positions are rotated (from Left to Right) .
AESTHETICAL KITS		B0682	Feet kit for smart Bi2. Kit of two aesthetic feet for coverage of any floor pipes. Available in white.
		B0683	Floor fixing bracket kit Bi2 smart. 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).
		B0677 (200) B0678 (400) B0679 (600) B0680 (800) B0681 (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 and SLI)