

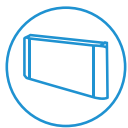
# Bi2 SMART

SL smart inverter - ultraslim



Compatible with:

**SiOS**  
CONTROL

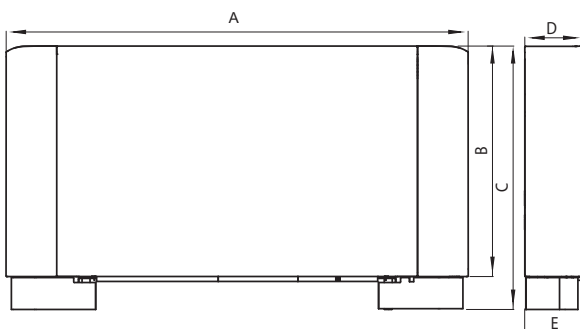


### TOTAL FLAT DESIGN

Linear aesthetics (with bottom suction system) for maximum integration with the surrounding architecture.

### FEATURES

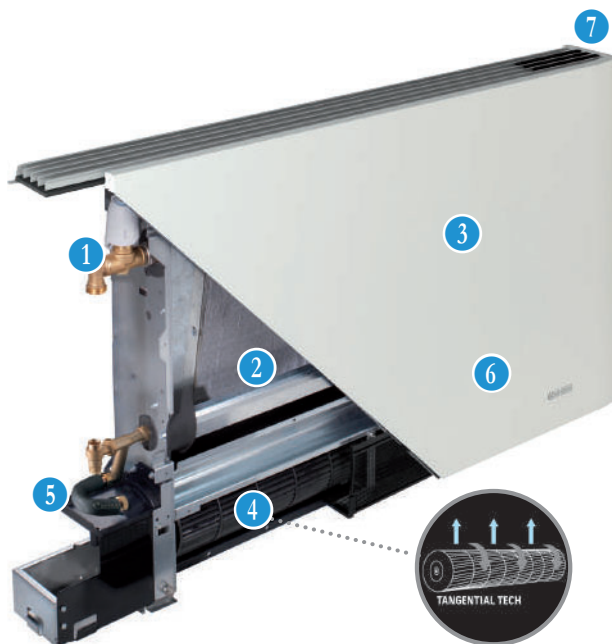
- Air Conditioning, Dehumidifying, Heating and Filtering
- Compact: Min thickness 12,9 cm - max 15 cm
- Range consisting of 5 power models
- Brushless DC motor
- Metal front, Smart ABS sides
- Total Flat aesthetics with intake system from the lower side
- Available in the colours:  White RAL 9010
- Floor, wall or (only for the SL versions) ceiling installation.\*



\*Ceiling installation: ceiling mounting kit and feet kit are necessary

		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	15,5	18,5	21,5

- 1 Valve with thermoelectric actuator (accessory kit)
- 2 High efficiency battery
- 3 Water temperature probe
- 4 High efficiency tangential fan
- 5 Condensate collection tray
- 6 DC Brushless inverter motor
- 7 Electronic control (accessory kit)



MODEL				SL smart inverter - ultraslim																	
				200			400			600			800			1000					
SL Smart inverter				cod.	01634	01635	01636	01637	01638												
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High		
Total power output in cooling mode		a27/19 - w7/12	(a) (E)	kW	0.38	0.71	0.82	0.91	1.34	1.74	1.50	2.10	2.54	1.98	2.69	3.29	2.17	3.25	3.78		
Sensitive power output in cooling mode		a27/19 - w7/12	(a) (E)	kW	0.26	0.50	0.64	0.65	1.02	1.25	1.10	1.56	1.94	1.54	2.09	2.54	1.71	2.42	2.98		
Fluid flow rate		a27/19 - w7/12	(a)	l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8		
Water side head loss		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	5.7	13.1	18.2		
Total power output in heating mode		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	3.10	4.10	3.05	3.77	4.67		
Fluid flow rate		a20/15 - w50/-	(b)	l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8		
Water side head loss		a20/15 - w50/-	(b) (E)	kPa	3.2	8.8	10.9	2.0	4.6	6.8	6.2	11.8	15.8	6.1	11.5	15.5	4.7	10.9	15.1		
Total power output in heating mode		a20/15 - w45/40	(c) (E)	kW	0.54	0.70	0.88	1.06	1.39	1.94	1.46	2.14	2.60	1.85	2.60	3.44	2.56	3.16	3.91		
Fluid flow rate		a20/15 - w45/40	(c)	l/h	91.9	119.9	150.0	181.9	238.1	330.3	250.6	365.7	444.6	316.6	444.8	587.9	438.1	541.0	668.5		
Water side head loss		a20/15 - w45/40	(c) (E)	kPa	5.7	8.8	12.2	2.9	4.8	7.9	5.8	11.8	16.0	4.1	8.9	14.2	6.4	9.8	13.9		
Absorbed power			(E)	W	5	7	11	6	9	19	7	11	20	8	12	24	9	14	27		
Sound Power Lw(A)			(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54	42	48	54		
Sound pressure Lp (A)			(d)	dB(A)	29	36	43	30	37	44	32	38	44	33	39	45	33	39	45		
Air flow			(f)	m3/h	100	130	160	190	250	320	280	360	460	350	450	575	400	510	650		
Battery water content				l	0.47			0.8			1.13			1.46			1.8				
Maximum operating pressure				bar	10				10				10				10				
Hydraulic fittings				inches	Eurocone 3/4			Eurocone 3/4			Eurocone 3/4			Eurocone 3/4			Eurocone 3/4				
Electrical power supply				V/ph/Hz	230/1/50				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

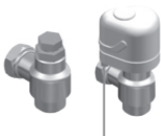










(E) Eurovent certified data

(f) Air flow rate measured with clean filters

## ACCESSORIES

### SL SMART INVERTER - ULTRASLIM

	CODE	DESCRIPTION	COMBINATIONS
ON BOARD CONTROL	 B0673	Built-in electronic autonomous control kit. Control with adjustable thermostat, fan mode 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 solenoid valves.	
	 B0828	Touch flat design <b>built-in</b> 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. <b>Command pre-configured on the machine (cannot be ordered separately).</b>	B0736  My Home by 
REMOTE CONTROL	 B0756	Control kit <b>for remotization</b> for the management and control through analogic inlet 0-10V or contacts. It has a 230VAC outlet for the control of one solenoid valve and a water sensor inlet with minimum temperature sensor function (in the contact mode).	B0151 B0152
	 B0151 <b>PHASE OUT</b>	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.	B0756
	 B0152 <b>PHASE OUT</b>	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 35 °C. 230 V supply.	B0756
	 B0736	LCD <b>wall clock thermostat remote</b> 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.	B0828 
<b>Addressing for Bticino management and SiOS Control</b>	INDRZ	Mandatory default addressing of remote kits in case of remote management via Modbus connection with SiOS Control, Bticino MYHome and any other system that communicates in Modbus.	

	CODE	DESCRIPTION
HYDRAULIC KITS	 B0832	<b>2-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch.</b> 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.
	 B0834	<b>3-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch.</b> 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	<b>Manual 2-way group valves kit.</b> 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	<b>Manual 2-way valve isolation kit.</b> Avoids condensation during the cooling operation (already included in the other thermoelectric hydraulic kits).
	 B0200 B0201	<b>Kit pair adapters.</b> Allows you to transform the Bi2 3/4" Eurocone connection into a standard 1/2" (B0200) or 3/4" (B0201) gas thread connection.
	 B0203	<b>Kit 90° Eurokonus bend</b> Facilitates the connection in case of hydraulic connections with walled pipes.
ELECTRICAL KITS	 B0632 (200) B0632 (400) B0632 (600) B0633 (800) B0633 (1000)	<b>Extension cord control panel kit</b> Power and motor sensor electric connection cable for installations where connection positions are rotated (from Left to Right).
AESTHETICAL KITS	 B0682	<b>Feet kit for Bi2 Smart</b> Kit of two aesthetic feet for coverage of any floor pipes. Available in white.
	 B0683	<b>Floor fixing brackets kit for Bi2 Smart</b> 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)	<b>Back panel in painted sheet (for front glass applications).</b>
	 B0520 (200) B0521 (400) B0522 (600) B0523 (800) B0524 (1000)	<b>Bi2 ceiling installation kit (excluding SLR and SLI versions)</b>