

**NEW**



# Bi2 Air SLR Air inverter

The ventilradiator® with **Integral Design**. With **Multiset Control** for all configurations



Design by S. Ercoli & A. Garlandini

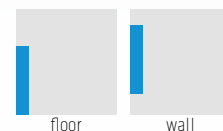


Remote control supplied

## FEATURES

- Cools, Dehumidifies, Heats and Filters
- Terminal with integrated heating panel
- 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:



Available in colors:  White RAL 9003

Compatible with My Home by **bticino**

## MULTISET CONTROL

### THE TR (Touch Remote):

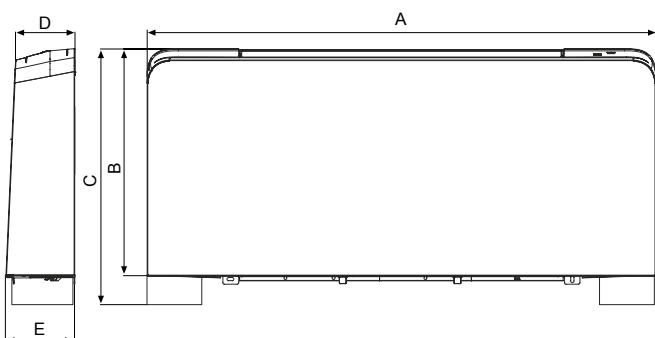
model envisions touch control on the machine and a remote control unit (supplied). Furthermore, via a selection of keys, remote control is possible with an Olympia Splendid wall control unit or home automation, through the Modbus RS485 signal protocol.

### THE AR (Analogic Remote):

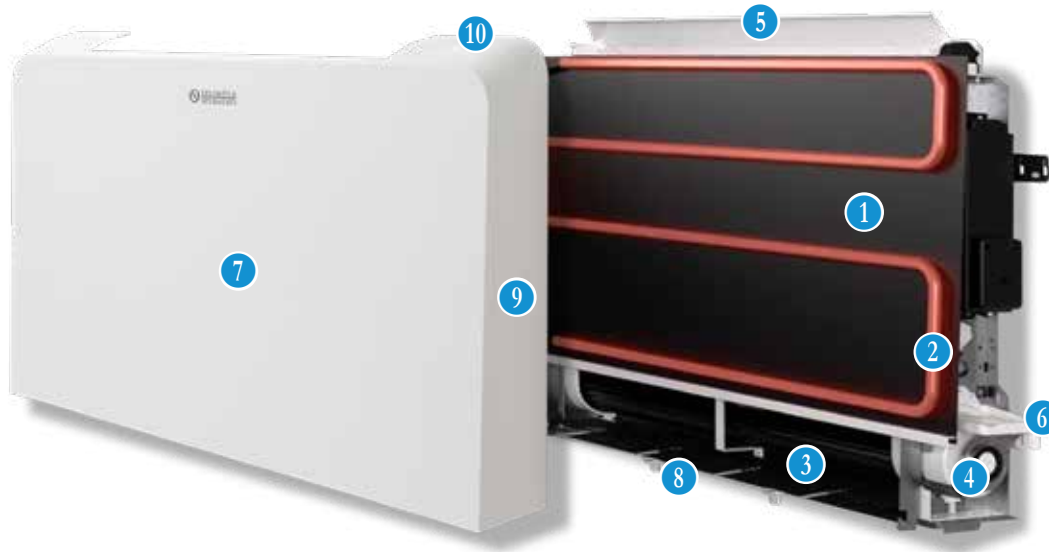
model allows universal remoting to be configured for all wall-installed control units and home automation systems, through the 0-10V analogue or 4 speed digital signal protocol.

\*touch control on the machine and remote control disabled

| MODEL                       | Bi2 air with heating panel (SLR air) |             |             |             |              |
|-----------------------------|--------------------------------------|-------------|-------------|-------------|--------------|
|                             | SLR air 200                          | SLR air 400 | SLR air 600 | SLR air 800 | SLR air 1000 |
| Bi2 SLR air with command TR | code 01856                           | 01857       | 01858       | 01859       | 01860        |
| Bi2 SLR air with command AR | code 01772                           | 01773       | 01774       | 01775       | 01776        |



|                   |    | 200  | 400  | 600  | 800  | 1000 |
|-------------------|----|------|------|------|------|------|
| <b>A</b>          | mm | 759  | 959  | 1159 | 1359 | 1559 |
| <b>B</b>          | mm | 579  | 579  | 579  | 579  | 579  |
| <b>C</b>          | mm | 659  | 659  | 659  | 659  | 659  |
| <b>D</b>          | mm | 129  | 129  | 129  | 129  | 129  |
| <b>E</b>          | mm | 150  | 150  | 150  | 150  | 150  |
| <b>Net weight</b> | kg | 13,5 | 15,5 | 19,5 | 22,5 | 25,5 |



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

| MODEL                              | Bi2 SLR 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     |
| Max capacity static heating (50°C) | kW          | 0,37         | 0,42         | 0,50         | 0,62         | 0,77         |
| Max capacity static heating (70°C) | kW          | 0,59         | 0,71         | 0,84         | 1,04         | 1,28         |
| Water content heating panel        | l           | 0,3          | 0,5          | 0,6          | 0,7          | 0,9          |

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  |
|----------------|--------------|--|--|
| REMOTE CONTROL | <b>B0151</b> | <b>Wall control kit</b> with thermostat, summer/winter selector and speed switch.<br>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                           |
|                | <b>B0152</b> | <b>Recessed control kit</b> 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                           |
|                | <b>B0736</b> | <b>LCD wall clock thermostat remote</b> control kit.<br>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.<br>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<br>Bi2 SLR Air TR command |



|   | CODE   | DESCRIPTION  |
|---|--|--|
| HYDRAULIC KITS  |  B0832  | <b>2-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch.</b><br>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  | <b>2-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch and by-pass branch with pressure-relief valve.</b><br>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  | <b>3-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch.</b><br>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><br>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   | <b>Manual 2-way valve isolation kit.</b><br>Avoids condensation during the cooling operation (already included in the other thermoelectric hydraulic kits).  |
|   |  B0501  | <b>Spacer kit (No. 1 unit) 3/4 Eurokonus.</b><br>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<br>B0201   | <b>Adaptors couple kit.</b><br>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><br>Facilitates the connection in case of hydraulic connections with walled pipes  |  |
| ELECTRICAL KITS   |  B0839  | <b>Control connection extension kit.</b><br>Power and motor sensor electric connection cable for installations where connection positions are rotated (from Left to Right).  |
| RECESSED KIT  |  B0853  | <b>Feet kit for smart Bi2 air.</b><br>Kit of two aesthetic feet for coverage of any floor pipes. Available in white.   |
|   |  B0852  | <b>Floor fixing bracket kit Bi2 air</b><br>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)<br>B0848 (400)<br>B0849 (600)<br>B0850 (800)<br>B0851 (1000) | <b>Back panel in painted sheet (for front glass applications).</b>   |
|   |  B0520 (200)<br>B0521 (400)<br>B0522 (600)<br>B0523 (800)<br>B0524 (1000) | <b>Bi2 ceiling installation kit (Excluding versions SLR)</b>   |