

Bi2[®] Air

The new generation of fan radiators



The revolution of simplicity



Integral design[®]



Multiset Control



Radiant Technology[®]



Italian company since 1956

 **OLIMPIA
SPLENDID**
HOME OF COMFORT

The new generation of fan radiators, the revolution of simplicity

The terminal that heats, cools, dehumidifies and filters



Integral design®

Thanks to the essential design and front body panel joined to the side panels, installation and maintenance of Bi2 Air have been made simpler



Multiset Control

Integrated multiset electronics, designed for touch use on the machine or to communicate universally with remote controls and home automation systems



Radiant Technology®

Patented technology for greater acoustic comfort with attention to energy saving



Operation in heating mode with medium/low temperature water, ideal when coupled with heat pumps

Operating features

Ideal comfort thanks to its low inertia, particularly important for buildings with low energy consumption

Integral design®

A unique ultraslim front body panel and motorised flap



Ultraslim front body panel

Bi2 Air is characterised by a unique body panel, made up from a metal front panel and side panels in ABS



Simplified Installation

A unique body panel facilitates opening the terminal, thus simplifying installation and maintenance



Ultraslim design

The essential and ultraslim design make integration of the terminal into the room excellent. Thickness of just 12.9 cm



Motorised flap

Motorised, steel air supply flap, for excellent air diffusion



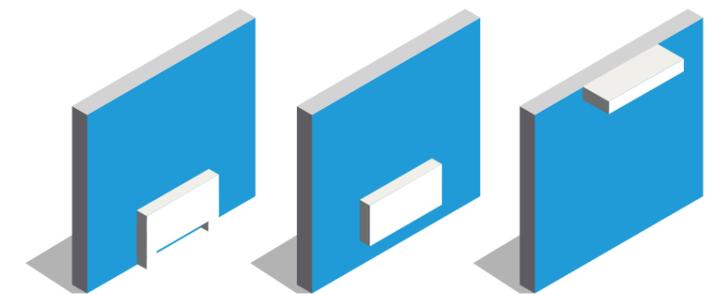
Filters and grids

Removable filters positioned on air intake and anti-intrusion grids both on air intake and air outlet



Colour

Colour available: White RAL 9003



Floor installation
with feet kit

Wall installation

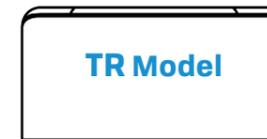
Ceiling installation
for SL model fan coils only
Basin kit
and feet kit necessary

Multiset control

One control for all configurations

Bi2 Air has a new electronic control designed for easy remote control. It is available in the **TR (Touch-Remote)** and **AR (Analogic-Remote)** models.

Bi2[®] Air



Touch controls on the machine

Remote control unit

OS wall-installed remote control

Home automation

TR Model

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.

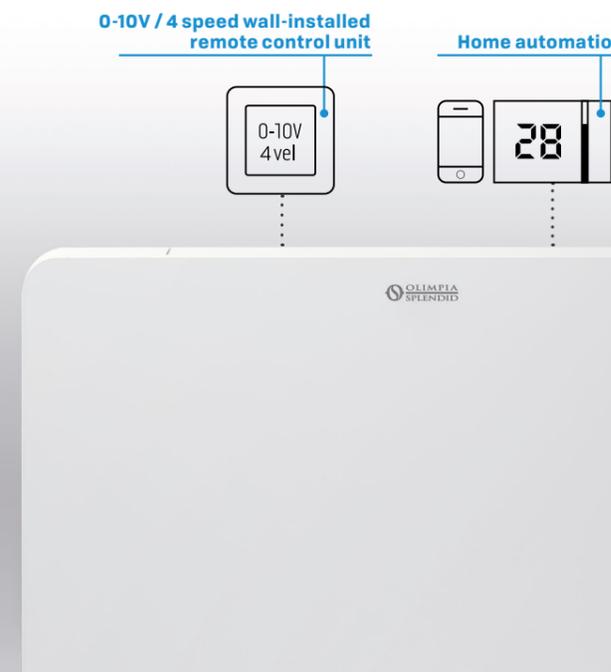


AR Model

Wall-installed remote control

Home automation

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.



Radiant technology[®]

Instant, uniform, silent heat

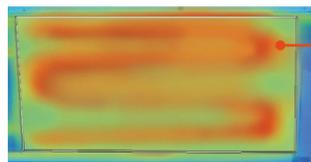
PATENTED

Patented technology

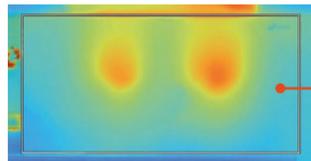


Greater comfort

Radiant technology is made up from a copper coil that involves the entire area of the front radiant panel during heating



Olimpia Splendid tubular radiant system



Other ventilated radiant systems on the market



Energy saving

Radiant technology with low inertia reduces energy consumption, there is no electric absorption and allows comfort to be maintained with radiation and natural convection



Absolute Silence

At full capacity, silence is absolute because the temperature is kept constant by the front radiant panel without the need for ventilation



Uniform surface heating

Radiant technology guarantees a higher average surface temperature and more uniform distribution of the heat

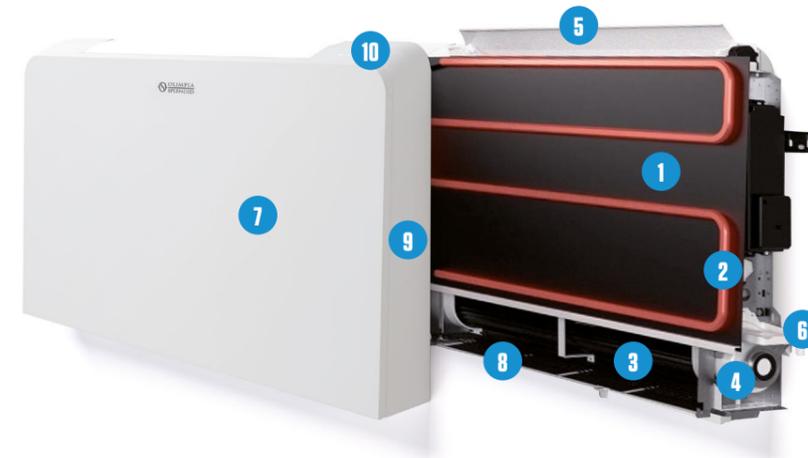


Amplification of the convective effect

The natural convective effect is amplified in heating mode thanks to optimisation of the heat exchange and more uniform diffusion of the air

Radiant Technology is only present on the fan radiators line (SLR lines)

Bi2[®] Air



- 1 HEAT EXCHANGE COIL
- 2 HIGH EFFICIENCY RADIANT PANEL
- 3 TANGENTIAL FAN
- 4 ELECTRIC MOTOR WITH RESIN-COATED PACK
- 5 AIR SUPPLY FLAP AND ANTI-INTRUSION SUPPLY GRID
- 6 CONDENSATE COLLECTION BASIN
- 7 FRONT BODY PANEL IN ELECTRO-GALVANISED SHEET STEEL
- 8 ANTI-INTRUSION INTAKE GRID
- 9 ABS SIDE PANELS
- 10 TOUCH CONTROL ON MACHINE

Range with 2 versions

SLR **Fan radiator:**
version with
radiant panel
(Radiant Technology)

SL **Fan coil:**
version without
radiant panel
(Radiant Technology)

Range made up from 5 power models

200 **400** **600** **800** **1000**

The entire range has a DC brushless motor

Technical data



MODEL		200	400	600	800	1000
Total cooling capacity (a)	(E) kW	0,82	1,74	2,54	3,29	3,78
Sensitive 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
Heating capacity (50°C) (b)	(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
Heating capacity (70°C) (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				
Min. air flow (d)	m ³ /h	100	170	180	370	420
Max. air flow (d)	m ³ /h	160	320	460	575	650
Min. absorbed power	(E) w	5	6	7	8	9
Max. absorbed power	(E) w	11	19	20	24	27
Min. sound power Lw	(E) dB(A)	38	39	41	42	42
Max. sound power Lw	(E) dB(A)	52	53	53	54	54
Sound pressure (f)	dB(A)	34	36	37	35	38
Electric power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Static heating max. capacity (50°C)	kW	0,37	0,42	0,50	0,62	0,77
Static heating max. capacity (70°C)	kW	0,59	0,71	0,84	1,04	1,28
Radiant panel water capacity	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 d.b. and 19°C w.b.

(b) Water temperature in battery inlet 50°C, water flow rate in cooling mode, inlet ambient air temperature 20°C

(c) Water temperature in battery inlet 70°C, water temperature in battery outlet 60°C, inlet ambient air temperature 20°C

(d) Air flow rate measured with clean filters

(e) Eurovent certificate data

(f) Sound pressure measured at 1.5 m



BI2 AIR SL FAN COIL WITH TR CONTROL

CODE	FAMILY	DESCRIPTION
01851	Bi2 Air	SL Air 200 DC TR
01852	Bi2 Air	SL Air 400 DC TR
01853	Bi2 Air	SL Air 600 DC TR
01854	Bi2 Air	SL Air 800 DC TR
01855	Bi2 Air	SL Air 1000 DC TR



BI2 AIR SL FAN COIL WITH AR CONTROL

CODE	FAMILY	DESCRIPTION
01767	Bi2 Air	SL Air 200 DC AR
01768	Bi2 Air	SL Air 400 DC AR
01769	Bi2 Air	SL Air 600 DC AR
01770	Bi2 Air	SL Air 800 DC AR
01771	Bi2 Air	SL Air 1000 DC AR

BI2 AIR SLR FAN RADIATOR WITH TR CONTROL

CODE	FAMILY	DESCRIPTION
01856	Bi2 Air	SLR Air 200 DC TR
01857	Bi2 Air	SLR Air 400 DC TR
01858	Bi2 Air	SLR Air 600 DC TR
01859	Bi2 Air	SLR Air 800 DC TR
01860	Bi2 Air	SLR Air 1000 DC TR

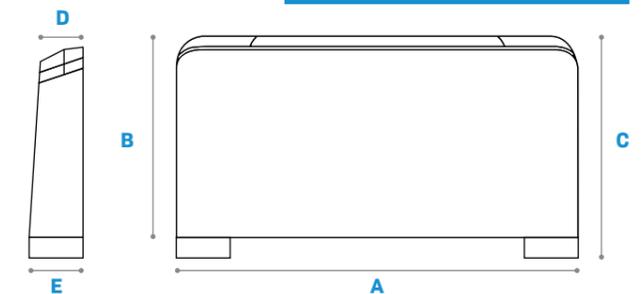
BI2 AIR SLR FAN RADIATOR WITH AR CONTROL

CODE	FAMILY	DESCRIPTION
01772	Bi2 Air	SLR Air 200 DC AR
01773	Bi2 Air	SLR Air 400 DC AR
01774	Bi2 Air	SLR Air 600 DC AR
01775	Bi2 Air	SLR Air 800 DC AR
01776	Bi2 Air	SLR Air 1000 DC AR

Dimensions

Bi2 Air

SL/SLR	200	400	600	800	1000
A	695	895	1095	1295	1495
B	599	599	599	599	599
C	679	679	679	679	679
D	129	129	129	129	129
E	150	150	150	150	150



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Integrale design[®]



Multiset Control



Radiant Technology[®]



**Ultraslim front
body panel**



**Greater
comfort**



**Simplified
installation**



Motorised flap



Filters and grids



**Absolute
silence**



**Energy
saving**



**Uniform
surface
heating**



**Amplification of the
convective effect**

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