

FAN COIL UNITS

BI2 AIR

[SLIM]



| | |
|--------------------|-------------------------|
| Size | 1100, 1400, 1600 |
| Type | with aesthetics |
| Design | slim |
| Radiant technology | ✓ |



Multiset Control

Possibility of remote control with wall controls or home automation system, through 2 different methods: 0-10V analogue input or contacts (AR versions) or Modbus RS485 ASCII or RTU serial protocol (TR versions). For TR versions, possibility of remote control using the wireless kit (optional) and the remote control (standard) or directly via the on-board touchscreen interface (standard).

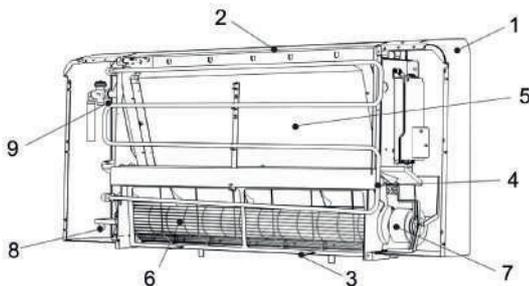
Radiant technology

Terminals also available in the fan coil radiant version (SLR), with coil heating panel in addition to the coil. The integrated radiant technology allows the room to be kept warm in heating mode even with the fan switched off, improving acoustic comfort and optimising electrical consumption.



- Cooling
- Heating
- Dehumidification
- Ventilation
- Auto Mode
- Keyboard Lock
- Sleep Mode
- Swing
- Timer

LAYOUT

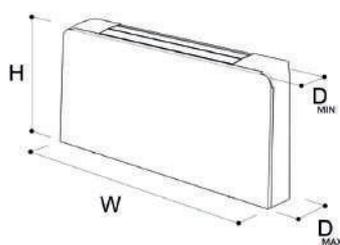


1. Monobloc front casing in electrogalvanised sheet metal with ABS side panels
2. Steel air delivery flap (motorised)
3. Anti-intrusion air intake grille with removable filters
4. High efficiency radiant heating panel (SLR version)
5. Heat exchanger battery
6. Tangential fan
7. Brushless DC electric motor
8. Condensate trap
9. Water temperature probe

INSTALLATION



DIMENSIONS AND WEIGHT



| | | 1100 | 1400 | 1600 |
|--------|----|-----------|-----------|-----------|
| W | mm | 1345 | 1345 | 1415 |
| H | mm | 599 | 599 | 599 |
| D | mm | 179 200 | 179 200 | 179 200 |
| WEIGHT | kg | 24 | SL 22.5 | SL 24.0 |
| | | | SLR 24.5 | SLR 26.0 |

COMPATIBLE ACCESSORIES

| | | SL | SLR | | | SL | SLR | | |
|------------|--------------|---|-----|-------|---------------------------------|-------------------------------------|--|----------------------------|-----------|
| CONTROLS | INDRZ | Addressing of the Modbus control kit | TR | TR | HYDRAULICS | B0204 | Manual 2-way valve insulation kit | o | o |
| | B1236 | Wireless programmable thermostat | TR | TR | | B0200 | Adapter connection kit for 1/2" gas thread | o | o |
| | B1237 | SI wireless kit | TR | TR | | B0201 | Adapter connection kit for 3/4" gas thread | o | o |
| | B0736 | Modbus wall-mounted programmable thermostat kit | TR | TR | | B0203 | Eurokonus 90° bending connection kit | o | o |
| | B0921 | Contact touch wall-mounted thermostat kit | AR | - | | AESTHETICS | B0875 | Floor mounting bracket kit | ≥1100 |
| B1130 | Wireless kit | TR | TR | B0874 | Aesthetic kit feet for covering | | ≥1100 | ≥1100 | |
| ELECTRIC | B0839 | LH-RH connection rotation extension kit | o | o | B0876 | | Back panel | 1100/1400 | 1100/1400 |
| | B0832 | 2-way valve group kit with 4-wire actuator | o | o | B0877 | | Back panel | 1600 | 1600 |
| HYDRAULICS | B0834 | 3-way valve group kit with 4-wire actuator | o | o | B0878 | | Ceiling-mount kit (condensate trap) | 1100/1400 | - |
| | B0205 | Manual 2-way valve group kit | o | o | B0879 | Ceiling-mount kit (condensate trap) | 1600 | - | |

• Standard accessory; o Optional accessory; - Incompatible accessory

When compatibility is only possible with certain sizes or models, the information is given in the table. Accessory description available at end of chapter.

TECHNICAL DATA

| | | 1100 | | | 1400 | | | 1600 | | | | |
|--|--------------------------------------|---------------------|-----------|--------------|-------|-------|--------------|-------|-------|--------------|------|-------|
| SL AIR DC TR | SL AIR DC TR | 02362 | | | 02048 | | | 02050 | | | | |
| | SL AIR DC AR | 02361 | | | 02049 | | | 02051 | | | | |
| | SLR AIR DC TR | 02360 | | | 02052 | | | 02054 | | | | |
| | SLR AIR DC AR | 02359 | | | 02053 | | | 02055 | | | | |
| | Fan speed | | Low | Medium | High | Low | Medium | High | Low | Medium | High | |
| Total power output in cooling mode | | a27/19 - w7/12 (a) | (E) kW | 2,43 | 3,24 | 3,85 | 3,05 | 3,78 | 4,45 | 3,28 | 4,09 | 4,85 |
| Sensitive power output in cooling mode | | a27/19 - w7/12 (a) | (E) kW | 1,78 | 2,41 | 2,93 | 2,14 | 2,69 | 3,2 | 2,3 | 2,9 | 3,5 |
| Fluid flow rate | | a27/19 - w7/12 (a) | (E) l/h | 417,4 | 557,3 | 664,2 | 525,6 | 652,4 | 769,9 | 565,2 | 706 | 839,2 |
| Water side head loss | | a27/19 - w7/12 (a) | (E) kPa | 13,9 | 23,7 | 32,6 | 19 | 27,8 | 37,2 | 20,9 | 30,8 | 41 |
| Total power output in heating mode | | a20/15 - w50/- (b) | (E) kW | 2,88 | 4,06 | 4,8 | 3,61 | 4,53 | 5,5 | 3,85 | 4,87 | 5,9 |
| Fluid flow rate | | a20/15 - w50/- (b) | (E) l/h | 417,4 | 557,3 | 664,2 | 525,6 | 652,4 | 769,9 | 565,2 | 706 | 839,2 |
| Water side head loss | | a20/15 - w50/- (b) | (E) kPa | 12,3 | 21,1 | 29,1 | 16,2 | 23,7 | 31,7 | 19,4 | 28,6 | 35,7 |
| Total power output in heating mode | | a20/15 - w45/40 (c) | (E) kW | 2,6 | 3,4 | 4,11 | 3,07 | 3,87 | 4,7 | 3,28 | 4,16 | 5,05 |
| Fluid flow rate | | a20/15 - w45/40 (c) | (E) l/h | 449 | 590 | 712 | 527,1 | 663,4 | 803,9 | 563,1 | 713 | 863,6 |
| Water side head loss | | a20/15 - w45/40 (c) | (E) kPa | 14,3 | 23,5 | 33,3 | 17,1 | 25,8 | 35,5 | 20,2 | 30,8 | 38,8 |
| Absorbed power | | | (E) W | 6 | 13 | 26 | 6 | 13 | 26 | 10 | 15 | 29 |
| Sound Power Lw (A) | | | (E) dB(A) | 39 | 46 | 50 | 38 | 49 | 54 | 42 | 50 | 55 |
| Sound pressure Lp (A) | | | (d) dB(A) | 30 | 41 | 46 | 30 | 41 | 46 | 31 | 42 | 47 |
| Air flow rate | | | (f) m3/h | 460 | 610 | 765 | 460 | 610 | 765 | 490 | 655 | 820 |
| Battery water content | | | l | 1,94 | | | 2,33 | | | 2,5 | | |
| Maximum operating pressure | | | bar | 10 | | | 10 | | | 10 | | |
| Hydraulic fittings | | | inch | Eurocono 3/4 | | | Eurocono 3/4 | | | Eurocono 3/4 | | |
| Electrical power supply | | | V/ph/Hz | 230/1/50 | | | 230/1/50 | | | 230/1/50 | | |
| SLR ONLY | Max static heating efficiency (50°C) | | kW | 0,45 | | | 0,45 | | | 0,5 | | |
| | Max static heating efficiency (70°C) | | kW | 0,8 | | | 0,8 | | | 0,9 | | |
| | Water content of the radiant panel | | l | 0,57 | | | 0,57 | | | 0,57 | | |

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