

## SL AIR INVERTER MODEL

### Construction description for summary specifications

Bi2 AIR fan coil with water for cooling and heating the environment, even in radiant mode with reduced electrical absorption.

Five sizes available (200, 400, 600, 800, 1000).

Total flat design, thanks to the air intake system, and a thickness of only 12.9 cm, it is the slimmest on the market.

Bi2 AIR can be installed vertically on the wall or floor-standing using the feet kit; horizontally on the ceiling with the horizontal condensate drip tray and the feet kit.

### Construction description for specifications

SL AIR INVERTER is made up from:

- galvanised steel cover unit, painted steel supply grid, aesthetic side panels in ABS
- galvanised sheet steel load-bearing structure
- heat exchange coil with copper pipes and corrugated aluminium fins with hydrophilic treatment blocked via cold expansion
- air vent valves on the coil manifolds
- fan unit with tangential fan made of synthetic material with staggered fins
- high-efficiency DC brushless motor on anti-vibration mounts with electronic adjustment of the rotation speed
- lower air intake
- anti-intrusion grids on air intake and supply
- polypropylene honeycomb filter positioned on air intake; the filter can be regenerated by simply washing or blowing
- PVC condensate drip tray, suitable for vertical installation
- hydraulic connections on the left, reversible to the right on request when placing order or in installation phase
- motorised, steel air supply flap
- structure with limited depth (only 129 mm)
- RAL 9003 white
- Eurokonus 3/4" hydraulic connections

## ELECTRONIC CONTROLS

**STANDARD TR (Touch Remote) CONTROL** Touch control on the machine and remote control unit supplied.

Through a selection of keys on the machine, remote control mode is possible with wall-installed remote-control (clock thermostat code B0736, optional) or with home automation via the Modbus RS485 protocol.

**B0736** Wall-mounted LCD clock thermostat remote control kit.

Wall-mounted LCD clock thermostat control for MODBUS connection. Up to 30 units can be controlled. Desired temperature selection, operating mode, fan speed, manual/programmable clock thermostat mode. Room sensor inserted in control. Backlit LCD. Presence contact input. The control is equipped with a 230/12VAC double insulation power supply transformer and a buffer battery.

Wall installation with centre to centre distance compatible with standard recessed mounting box 503.

Compatible Aquadue control, management and control system of the Olimpia Splendid heat pump systems.

**INDRZ Addressing for Bticino management and AQUADUE Control** Mandatory factory addressing of the remote control kits in the case of remote management via Modbus connection with AQUADUE Control or Bticino MYHome

**STANDARD AR (Analogic Remote) CONTROL** Analogic Remote control for universal remoting with wall-installed-controls or home automation systems, through the 0-10V 4 speed digital signal protocol.

**B0151** Wall-mounted control kit with thermostat, ON/OFF selector switch, fan three-speed selector switch and summer/winter selector switch. Temperature adjustment range from 5°C to 30°C. 230V power supply. It has two hot water solenoid valve and cold water 230VAC outlets and a water temperature sensor inlet.

**B0152** Recessed LCD control kit with room sensor and thermostat, summer/winter selector switch and speed selector switch. Recessed electronic thermostat with room, sensor, ON/OFF selector switch, fan speed selector switch (min, med, max and auto), room temperature, minimum water temperature sensor function and summer/winter selector switch. Temperature adjustment range from 5°C to 35°C. 230VAC power supply.

## HYDRAULIC KITS

**B0832** 2-way valves unit kit with 4-wire thermoelectric actuator and end run micro switch.

Consists of a two-way valve with thermoelectric actuator and holder, the first allows for the control of terminal thermal emissions intercepting water passage; the holder allows system load losses to be balanced.

**B0834** 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 system load losses to be balanced; the by-pass keeps water circulating in the system. This kit is an alternative to the 2-way solenoid valve kit.

**B0205** Manual 2-way group valve kit.

Consisting of a valve and a holder. The first allows the cabinet to be manually excluded from the system, while the holder allows system load losses to be balanced.

**B0204** Manual 2-way isolation valve kit.

Prevents the formation of condensation during cooling (already included in the other thermoelectric hydraulic kits).

**B0501** Spacer kit (n°1 unit) 3/4 Eurokonus.

Available for multilayer pipes d. 20 mm. (which do not allow adequate bending radii), no. 1 or 2 kits for machine depending on the type of installation.

**B0200, B0201** Adapters pair kit.

Allows transformation of the Bi2 3/4" Eurokonus connection into a standard 1/2" (B0200) or 3/4" (B0201) gas thread connection.

**B0203** Eurocono 90° bend kit.

Facilitates the connection regarding hydraulic connections with walled pipes.

**ELECTRIC KITS**

**B0839** Control connection extension kit.

Power supply and motor sensor electric connection cable for installations where hydraulic connection positions are rotated from left to right.

**Aesthetic kits**

**B0853** Feet kit for Bi2 AIR

Kit of two aesthetic feet to cover any pipes coming from the floor. Available in white.

**B0852** Floor fixing bracket kit for Bi2 AIR

Kit of support brackets and for fixing the terminal to the floor (applications on front glass or on non-load bearing walls). It is also an aesthetic kit (white).

**B0847 (200), B0848 (400), B0849 (600), B0850 (800), B0851 (1000)** Back panel in painted sheet steel (for front glass installations).

**HORIZONTAL CEILING INSTALLATION**

**B0520 (200), B0521 (400), B0522 (600), B0523 (800), B0524 (1000)** Kit for ceiling installation of Bi2 units.