

## SPECIFICATIONS: SLI Inverter NAKED MODEL

### Construction drawing for specifications

Recessed water-cooled Bi2 SLI fan coil unit for cooling and heating in a highly energy-efficient manner.

Available in five sizes (200, 400, 600, 800, 1000).

At only 12.9 cm deep, it is compact and the most slimline on the market, and is extremely simple to install. The Bi2

SLI is suitable for vertical recessed installation on a wall or horizontal installation on the ceiling.

### Description of construction for specifications

The SLI consists of:

- frame in galvanised sheet metal
- a heat exchange coil comprising copper pipes and corrugated fins in hydrophilically treated aluminium secured by means of cold expansion
- air vent valves on the coil manifolds
- fan assembly with tangential fan in synthetic material with staggered fins
- high efficiency brushless DC motor on flexible supports with electronic control of the rotational speed
- honeycomb filter in polypropylene on the air intake; the filter can be washed with water or compressed air
- drip tray in PVC suitable for vertical installation
- drip tray in ABS suitable for horizontal installation
- hydraulic connections on the left, reversible ones on the right when requested in the order or during the installation phase
- air outlet grille in painted steel that can be installed in either of two positions
- structure of limited depth (only 129 mm)
- 3/4" Eurocone hydraulic connections

Installation with the recess formwork kit in galvanised sheet metal and recess infill panel kit in painted galvanised steel is certified by Olimpia Splendid; otherwise, the Bi2 SLI must be incorporated in a casing compliant with the domestic safety regulations that apply and the installer must release a declaration of conformity for the entire assembly.

### ELECTRONIC CONTROLS

**B0685** Bi2 Inverter control kit for remote control. Can be combined with the B0736 control kit.

The B0736, or a controller with compatible communication protocol, transmits the main operating parameters, the set point and the room temperature to all the fan coils on the network for seamless operation. It has a 230VAC output for control of an electrovalve, two voltage-free contacts for control of a chiller or heater, and a presence input.

Operation with MODBUS, RS485 ASCII protocol (available on request).

Compatible with Aquadue control for heat pump systems by Olimpia Splendid.

Compatible with the MyHome domotic system by Bticino.

**B0756** Kit for remote control via a 0-10VDC analogue input or five power contacts. It has a 230VAC output for control of an electrovalve and a water sensor input with minimum water sensor function (in the case of contacts).

**B0151** Wall control kit with thermostat, summer/winter selector switch and speed selector switch. Can be combined with the B0756 control kit. Wall thermostat with room sensor, On-Off selector switch, fan three-speed selector switch and summer/winter selector switch. Temperature adjustment range from 5 °C to 30 °C. 230 V power supply. Two 230VAC outputs for hot water electrovalve and cold water electrovalve and a water temperature probe input.

**B0151** Recessed LCD control kit with room sensor and thermostat, summer/winter selector switch and speed selector switch. Can be combined with the B0756 control kit.

Recessed electronic thermostat with room sensor, On-Off selector switch, fan speed selector switch (min, med, max and auto), room temperature, minimum water sensor function and summer/winter selector switch. Temperature adjustment range from 5 °C to 35 °C. 230 VAC power supply.

**B0736** LCD chrono-thermostat wall remote control kit. Can be combined with the B0685 control kit.

Wall LCD chrono-thermostat control for MODBUS, RS485 connection. Control of up to 30 units. Selection of required temperature, operating mode, ventilation speed, manual/chrono-thermostat mode. Room sensor in the control. Backlit LCD display: Presence contact input. The control has a 230V/12 VAC power transformer with double insulation and buffer battery. Wall installation with spacing between holes compatible with standard 503 recessed box. Compatible with Aquadue control for heat pump systems by Olimpia Splendid.

### HYDRAULIC KITS

**B0139** Kit of 2-way valves with thermoelectric actuator.

The kit consists of a two-way valve with thermoelectric actuator and a holder; the former controls the heat emission of the terminal by regulating the flow of water; the holder minimises pressure drops in the system.

**B0641** Kit of 2-way valves with thermoelectric actuator and bypass branch with overpressure valve.

The kit consists of a valve with thermoelectric actuator, a holder and a bypass with overpressure valve. The former controls heat emission of the terminal by regulating the flow of water; the holder minimises pressure drops in the system; and the bypass keeps the system balanced even when the cabinet is excluded. This kit is an alternative to the two-way electrovalve kit.

**B0635** Kit of 3-way valves with thermoelectric actuator.

The kit consists of a three-way diverter valve with thermoelectric actuator, and a holder.

The former controls the heat emission of the terminal by regulating the flow of water; the holder minimises pressure drops in the system; the bypass keeps the water circulating in the system. This kit is an alternative to the two-way electrovalve kit.

**B0205** Manual two-way valve kit.

The kit consists of a valve and a holder; the former is for manually excluding the cabinet from the system, while the holder minimises pressure drops in the system.

**B0204** Manual two-way valve insulation kit.

Avoids the formation of condensation during operation in cooling mode (already included in the thermoelectric hydraulic kits).

**B0501** Eurocone 3/4 spacer kit (1 piece)

Available for all multilayer pipes d. 20 mm (which do not allow for adequate bending radii), 1 or 2 kits for the unit depending on the type of installation.

**B0200, B0201** Pair of adaptors.

These can be used to convert the 3/4" Eurocone connection of the Bi2 terminals into a standard 1/2"(B0200) or 3/4" (B0201) threaded gas connection.

**B0203** 90° Eurocone U-bend.

Facilitates connection in the case of hydraulic connections with pipes in the wall.

## ELECTRICAL KITS

**B0632 (200, 400, 600) B0633 (800, 1000)** Control connection extension kit.

Cable for connecting the sensor of the motor to the power supply, in the case of installations where the position of the hydraulic connections is rotated from left to right.

## INSTALLATION KITS

**B0550 (200), B0551 (400), B0552 (600), B0553 (800), B0554 (1000)** Recessed kit for false ceiling: wing-shaped air outlet grille. When the stock is depleted, the recessed kits with codes B0815-B0819 will come into effect.

**B0559 (200), B0560 (400), B0561 (600), B0562 (800), B0563 (1000)** Recessed kit for false ceiling: wing-shaped air intake grille. When the stock is depleted, the recessed kits with codes B0820-B0824 will come into effect.

**B0194 (200), B0195 (400), B0196 (600), B0197 (800), B0198 (1000)** Intake kit for false ceiling or hatch in plasterboard. It ducts the intake of air from the grille to the cabinet.

**B0160 (200), B0161 (400), B0162 (600), B0163 (800), B0164 (1000)** Telescopic upper discharge plenum. It ducts air from the cabinet to the air outlet grille.

**B0568 (200), B0569 (400), B0570 (600), B0571 (800), B0572 (1000)** Recessed kit with infill panel: Structure for recessed installation. For vertical installation (to be combined with the infill panel)

**B0578 (200), B0579 (400), B0580 (600), B0581 (800), B0582 (1000)** Infill panel for recessed structure. For vertical installation (to be combined with the recessed structure kit)

**B0165 (200), B0166 (400), B0167 (600), B0168 (800), B0169 (1000)** Insulated discharge plenum at 90°. It ducts air from the cabinet to the air outlet grille. (not compatible with recessed structure)