



CLIMATE DESIGNERS

# BRIZA 22

## Built-In Wall / Built-In Ceiling

### **Briza 22** Build in Wall) / Ceiling

Pre-mounted air conditioning unit, in five lengths, for installation in wall or ceiling. Available in five versions, each in 2- or 4-pipe connection. 0...10V connection to home automation.

#### Build-in Wall **BABW/BT** (Standard version)

- air exhaust at the top
- air supply at the bottom

#### Build-in Wall **BABW/FT** (Optional version)

- air exhaust at the top
- air supply at the front

#### Build-in Wall **BABW/BF** (Optional version)

- air exhaust at the front
- air supply at the bottom

#### Build-in Wal **BABW/FF** (Optional version)

- air exhaust at the front
- air supply at the front

### **Briza 22** Build in Ceiling:

Pre-mounted air conditioning unit, in five lengths, for installation in ceiling. Available in two versions, each in 2- or 4-pipe connection.

#### Build-in Wall **BABC/BT** (Standard version)

- air exhaust at the top
- air supply at the bottom

#### Build-in Wall **BABW/FT** (Optional version)

- air exhaust at the top
- air supply at the front

Heating: standard equipped for connection to traditional water heaters.

Cooling: standard equipped for connection to chilled water supply.

Ventilation: connecting to mechanical ventilation.

The support frame consists of a reinforced galvanized steel plate, complete with - self-extinguishing - anti-condensation insulation on the side, back and front panels of the unit.

- the wall version is equipped as standard with a condensation drain pan on the left.
- the ceiling version is equipped with a condensation collecting in the front-plate, and the condensate drain with natural drainage on the left side of the device, connection Ø 20mm.
- to avoid smells, connect the condensation outlet to a frequently-used drain-pipe fitted with a siphon trap.

**Dynamic heat exchanger:**

High-quality Dynamic aluminium - copper heat exchanger with Hydrophilic coating. The heat exchanger consists of a coil with three round rows seamless circulation tubes of pure red copper, connected with pure aluminium fins brass 2.1 mm spaced, and cast collectors equipped with a patented low pressure loss hydraulic distributor.

Maximum workload: 20 bar.

**• HYDRAULIC CONNECTION:**2-pipe system:

• standard heat exchanger 3/4" G connection on the left. Also available with hydraulic connection to the right.

4-pipe system:

• standard heat exchanger 3/4" G connection on the left. Also available with hydraulic connection to the right.

• additional 2de heat exchanger 1/2" G, connection on the left. Also available with hydraulic connection to the right.

**GREEN-TECH Fan unit(s):**

Centrifugal fans with GreenTech EC technology: Energy-saving, easy operation, low noise.

**Motor:**

• from aluminium, mounted with vibration dampers on both sides. 230 VAC, 50-60 Hz, (see identification plate). Protection class motor IP44, electronic IP20, depending on installation and position.

Control input 0-10 V, electrically insulated. Voltage output 10 V, 1.1 mA, electrically insulated.

**Fan impeller:**

• forward curved, from PP synthetic

**ELECTRICAL CONNECTION:**

• standard to the right of the appliance.

• by means of terminals (earthing, - / + 230, 0 ... 10 V), . Supply Voltage 208-230 V / 50 - 60 Hz.

**Dust filter:**

Replaceable filter made of synthetic fibers, (filter class G2), removable from the front or bottom of the unit.

**Terms of Use:**

Air-conditioning unit for indoor use, to provide in the summer and during the winter the required heating and cooling (summer and winter, air conditioning).

For indoor spaces with domestic or similar use.

The device is not intended for installation or use in damp areas, such as laundry rooms (IEC EN 60335-2-40).

**Conforms to the following guidelines:**

• the provisions of the Machinery Directive 2006/42/EC

• Low Voltage Directive 2014/35/EC,

• Electromagnetic Compatibility Directive 2014/30/EC

**Operating limits:**

Max Temperature supply water: 90 ° C.

Maximum pressure heat exchanger: 20 bar.

Supply voltage: 230 V ± 10%.

**How to install:**

Free space air intakes and outlets:

- minimum 1500 mm free space air inlet device (bottom of device)
- minimum 150 mm distance air outlet (top of appliance)

**Options:**

- motorised damper: air switch box with motorized damper with 0...10V control for outdoor air inlet
- wall ventilation grille Ø 125mm
- inlet angle piece 90°
- exhaust angle piece 90°
- adjustable air inlet grille for 90° angle pieces

Built-In Ceiling:

- inlet plenum 180° with round flanges, connection Ø 200 mm
- thermally insulated exhaust plenum 180° with round flanges connection Ø200 mm
- adjustable exhaust grille for 90° angle pieces

**Valves**

- Jaga valve sets

**Control options:**

- EC thermostat 24VDC, 0..10V speed control
- room-thermostat Jaga JRT 100 or JRT 200
- room-thermostat Jaga JRT 100TW with touch screen + WIFI
- room-thermostat JRT 160T (with 0...10VDC OUT)
- Jaga JFCC controller. The controller is factory installed and preprogrammed.

Manufacturer Jaga n.v. Belgium.

Type: BRIZA 22 HYBRID