Provide Jaga BRIZA 22 units where heating and cooling is shown.

Description: Pre-mounted air conditioning unit, the same version in five models for installation in wall or ceiling, recessed or exposed with cabinet.

Versions: 2 pipe or 4 pipe connection.

Heating: standard equipped for connection to traditional boiler or heat pump.

Cooling: standard equipped for connection to chilled water supply (chiller or heat pump).

Ventilation: connecting to mechanical ventilation (via ducting, if desired on return side)

Casing:

The internal casing consists of a reinforced galvanized steel plate (18ga) and a condensate drain pan (for vertical and horizontal installation) with gravity drainage, complete with self-evaporating anti-condensation insulation on the side, back and front panels of the unit.

Internal casing to be no deeper than 220mm (8.7”).

1. Exposed cabinet:
2. The cabinet shall be fabricated with 16 gauge electrolytic galvanized steel and will be coated epoxy polyester baked at 392°F. Available in two colours as standard White or grey metallic. Custom colours available upon request.
3. The Top grille shall provide supply air and bottom shall provide return.

The Cabinet front face shall be constructed of a single uniform piece seamless in construction.

The Cabinet shall be fabricated such that there are no exposed corners or gaps. All corners shall be joined to form one solid piece – gaps are not permitted.

1. The Cabinet shall be factory Parts Warranted for 10 Years

Dynamic Low-H2O heat exchanger:

The heat exchanger consists of a coil with three round rows seamless circulation tubes of pure red copper, connected with pure aluminum fins brass 2.08 mm spaced, and cast collectors equipped with a patented low pressure loss hydraulic distributor.

The Heat exchanger shall be rated for 290PSI working pressure.

The Heat exchanger shall be easily removable from cabinet if required.

The Heat exchanger shall be coated with dirt repellent and dust proof lacquer in blue.

The Heat exchanger shall have ASTM G53 certification.

Each individual heat exchanger shall have EN442/EN16430 certification. Output Correction factors will not be considered equivalent to establish output capacities.

The Heat exchanger shall include NPT connections. No adapters for North American threads will be accepted.

Hydraulic connection:

Standard heat exchanger ¾” connection on the left. Also available with hydraulic connection to the right. With an air vent, drain valve and anti-rotation lock for quick connection, no key or lock key is required.

Additional 2nd heat exchanger ½”, connection on the left. Also available with hydraulic connection to the right.

Fan(s):

An electronically commutated (EC motor) centrifugal fan with double intake, with static and dynamically balanced aluminum or ABS fan units. An electronic brushless synchronous motor with permanent magnets, controlled by a frequency and amplitude modulated inverter which generates a sinus-shaped voltage. The inverter is driven by a single-phase voltage 120Vac 60Hz and is controllable via a 0-10Vdc analog signal. The motor is provided with internal protection.

Electrical connection: By means of terminals (three wire terminals: ground, - / + 120V, 0 ... 10 V), standard on the right side of the unit.

Soft filter: Renewable polypropylene synthetic filter (filter class MERV 8), removable from the front or bottom of the unit.

Supply Voltage 120V

Fan operation at 5.8V allows for significant air throw with sound pressure under 35dBA, without any connection to duct work.

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).

Operating Limits: Temperature supply water: 3 > 90°C

Maximum pressure heat exchanger: 290PSI

Supply Voltage: 120 V ± 10 %, 60Hz

Max static pressure, up to 80 Pa ESP for the largest model