

Pre-assembled heating and cooling unit for building into the floor..

- height 19 cm
- width 34 cm
- lengths: 105 / 120 / 200 / 280 cm
- Jaga Clima Canal H19 2- pipe system
- Jaga Clima Canal H19 4- pipe system
- heating: the appliance is equipped as standard for heating and for connection to traditional water heating systems.
- cooling: the appliance is equipped as standard for cooling with a chilled water supply
- option: connection to mechanical ventilation systems
- to avoid smells, connect the condensation outlet to a frequently-used drain-pipe fitted with a siphon trap

Consisting of:

- a 1 mm-thick duct of Sendzimir galvanized steel plate and a telescopically adjustable height adjustment with stainless steel grille holder, coated with a charcoal grey scratch-proof epoxy-polyester lacquer, RAL 7024, 10% gloss.
- aluminium grille anodized or painted (see the Jaga colour chart)
- roll-up wooden grille profiles positioned crossways, oak / beech / oak varnished / beech varnished.
- dynamic heat exchanger
- tangential fan(s)
- SS flexible connections 1/2", length of 15 > 25 cm
- openings in the duct for the passage of the hydraulic pipes and electric cables. These openings - in the side - are sealed with insulation tape.
- a condensate drain Ø 20 mm

All the parts can be removed extremely quickly and easily for regular cleaning and maintenance without hydraulic or electrical disconnection. The connection flexibility must be used..

The appliance is equipped as standard for heating and for connection to traditional water heating systems. Cooling with a chilled water supply.

Option: connection to mechanical ventilation systems.

A minimum installation depth of 135 mm must be possible without problems. The device can be adjusted in height by means of screws in the bottom, in order to perfectly align the device with the finished floor, and adjustable anchor brackets with slotted holes 0 to 45 mm on the sides.

**Aluminium grille**

- grille panels L 360 mm with EPDM holder 16.5 mm
- profile: 6 x 14 mm
- spacing 9 mm
- natural colour or lacquered in an environmentally friendly TGIC-free polyester powder coating, gloss level  $\pm$  75% (colours, see Jaga colour card)

**Roll-up wooden grille:**

- wooden profiles positioned crossways. 12 x 15 mm.
- spacing 13 mm.
- the wooden profiles are connected by way of a galvanised spring. The correct interspace is assured by aluminium spacers.
- versions: oak / beech / oak varnished / beech varnished

**Heat exchanger:**

Round, seamless circular pipes in pure copper, connected to pure aluminium panels with a spacing of 1.8 mm and an integrated brass collector, including air venting. The heat exchanger is electrostatically painted with black epoxy polyester powder, gloss level 70%.

- element pressure test: 25 bar
- operating pressure: max 12 bar
- standard connection left
- 4-pipe version (with separate circuits for heating and cooling)
- 2-pipe version (with one circuit for heating and cooling)

## Description Clima Canal H19 B34

**Fan(s)**

One or more virtually noiseless tangential ventilators, 24 VDC, with Sendzimir galvanized steel plate cover and integrated stainless steel air filter. Colour black, glossiness 70%.

Electric connection:

Integrated electric connection box with manual tension spring system. Standard connection left.

**Options:**

Empty shaft(s) (housing) with height adjustment:

- a 1 mm-thick duct of Sendzimir galvanized steel plate and a telescopically adjustable height adjustment with stainless steel grille holder, coated with a charcoal grey scratch-proof epoxy-polyester lacquer, RAL 7024, 10% gloss. In the same dimensions as the standard devices.
- aluminium grille anodized or painted (see the Jaga colour chart)
- roll-up wooden grille profiles positioned crossways, oak / beech / oak varnished / beech varnished
- cover plate

90° Corner piece with height adjustment:

A 1 mm-thick duct of Sendzimir galvanized steel plate and a telescopically adjustable height adjustment with stainless steel grille holder, coated with a charcoal grey scratch-proof epoxy-polyester lacquer, RAL 7024, 10% gloss.

- aluminium grille anodized or painted (see the Jaga colour chart)
- not available with a wooden grid
- cover plate

Mounted spigot connector for air supply channel:

- H4 x B9 cm cm
- DX51D Z275MAC-quality - according to EN 10142/10143

Synthetic adapter for ventilation system:

- dimensions: 52 x 132
- with click connections and two sealing rings
- synthetic material, colour: blue

Feet with height adjustment for raised floors:

1 set includes 2 height adjusting controls

- lacquered in the colour black RAL 7024

- height of feet:
  - 5 > 7 cm
  - 8 > 13 cm
  - 13 > 23 cm
  - 20 > 30 cm
- Number of sets per Clima Canal:
  - L 70 / L 100 / L 120 = 1 set
  - L 140 = 3 feet
  - L 170 / L 200 = 2 sets
  - L 230 / L 280 / L 300 = 3 sets

Adjustable bracket / anchor with slotted hole adjustable 0 <> 4.5 cm

Adjustable bracket / anchor with slotted hole adjustable 0 <> 13 cm

- from electrolytically galvanized steel sheet
- stepless adjustable
- easy assembly
- one set contains 2 brackets with sound decoupling

24 VDC Power supply:

- Required power = sum of the power consumption of the devices
- for DIN-rail or wall mounting
- UL1310 Class 2
- convection cooling
- 36 W
- 60 W
- 100 W

Valve sets:

- connection set with Jaga two-way valve 24 VDC
- connection set with 2 lockshields 1/2"
- sleeve couplings G1/2"
- Jaga two-way valve and thermoelectric drive 230v, (only for mounting on the distributor)

Roomthermostats and controller:

- thermostat RDG160T: fan speed 0...10 V, valves with motor 0...10 V,
  - heating, cooling, automatic or manual
- Jaga thermostat JRT100: 2 pipe and 4-pipe
  - heating, cooling, semi recessed
- Jaga thermostat JRT100TW: 2 pipe and 4-pipe
  - heating, cooling, semi recessed, with touch-screen en WIFI
- Jaga thermostat JRT200: 2 pipe and 4-pipe
  - heating, cooling, for wall mounting
- JDPC Jaga Dynamic Product Controller
  - heating / cooling / standby, met auto changeover
  - supply voltage: 24VDC
  - 0-10V input for building management system / thermostats

Only for installation in system floors:

Connection points on the outside of the housing: 2-pipe

- 2 x Hex Nipple
- 2 x stainless steel flex

Connection points on the outside of the housing with cable box: 2-pipe

- 2 x Hex Nipple
- 2 x stainless steel flex

cable box

Connection points on the outside of the housing 4-pijps:

- 4 x Hex Nipple
- 4 x stainless steel flex

Connection points on the outside of the housing with cable box: 4-pipe

- 4 x Hex Nipple
- 4 x stainless steel flex

cable box

**Terms of Use:**

Jaga Clima Canal are air conditioning units for indoor use, to provide the required heating and cooling capacity in the summer and during the winter (summer and winter, air conditioning). For rooms with household or similar use. Any other use is strictly prohibited. Installing and / or using the Clima Canal in an explosive environment is prohibited. The device is not intended for installation or use in damp rooms, e.g. wash rooms (IEC EN 60335-2-40). It is forbidden to put objects through the inlet and outlet grilles. Always use the main switch to isolate the device from the mains for carrying out all maintenance work on the device, even if only for inspection.

**Operating limits:**

Installation that does not comply with the specified operational limits relieves Jaga NV of liability for discharge with regard to damage to objects and persons.

**Storage conditions:**

The packaged devices must be stored in a dry environment. Stack up to 4 packages on top of each other.

Manufacturer: Jaga N.V.

Clima Canal H19 2 - pipe system

Clima Canal H19 4 - pipe system