



Strada Hybrid MM is designed to heat or cool your home in an energy-efficient way (Light Cooling).

Central connection (MM): by placing the hydraulic and electrical connection in the centre of the unit, the desired length of the convectors can be determined later in the building stage. This simplifies the preliminary works.

Light Cooling is an energy-efficient, non-condensing cooling that can be applied in combination with every heat pump system that delivers cooled water. The most efficient solution is the combination of Jaga Light Cooling and a geothermal heat pump.

Heating: heats efficiently and comfortably with the lowest water temperature.

DBH system: Jaga Dynamic Product controller (JDPC) and ventilator unit(s). Heat emissions comply with the EN 16430 standard.

Components:

All the components included in one solid functional cardboard packaging, which can be used as protection during the construction stage.

Pre-assembled casing:

- front panel, sides and cover plate are made of electro-galvanised steel sheet with a 1.25mm-thickness.
- reversible aluminium top grille, coated in the same colour as the casing.
- Colour:
 - **traffic white RAL 9016 (133).** Soft touch: finely-structured matte paint, gloss sheen <10%.
 - **sand blast grey (001),** fine-texture metallic paint
 - **off-black (145).** Soft touch: finely-structured matte paint, gloss sheen <10%

Non-standard colours: see Jaga colour chart.

- the casing's coating is a structured scratchproof polyester, applied electrostatically in powder form and baked at max 200°C.
- UV resistant according to ASTM G53.
- the surface temperature of the casing will never exceed 43°C, not even at a water temperature of 75°C. Strada Hybrid complies with the DHSS DN 4 1992 safety norm.

Low H₂O heat exchanger MM central connection:

- the Low H₂O heat exchanger is composed of round seamless circulation pipes made of pure red copper, slats of pure aluminium and 2 brass 1/2" collectors.
- 1/2" central connection
- extended air vent and 1/2" drain cock included
- pressure test element: 20 bar
- service pressure: 10 bar
- supplied with consoles of dark grey pre-coated galvanised 1mm-steel sheet with a maximum intermediate distance of 1.05m. With mounting set..
- universal hydraulic connection and wall clearance, regardless of length, height or type (width) of the unit.

Valves:

Supply to the left (standard):

- **SW** (Straight flow H-block two-pipe): connection to the wall
- **SF** (Straight flow H-block two-pipe): connection to the floor

Straight flow H-block is also suitable for a one-pipe connection.

Supply to the right (non-standard):

- **CW** (Crossflow H-block two-pipe): connection to the wall
- **CF** (Crossflow H-block two-pipe): connection to the floor

DBH system:

Completely pre-assembled and preset

Composed of:

- DBH ventilator unit(s) according to the length of the casing. Made of aluminium and plastic. The ventilator unit is mounted above the Low H₂O heat exchanger and provided with noise uncoupling.
- Jaga Dynamic Product Controller (JDPC): multifunctional controller with water and room temperature sensor to control the ventilator unit(s).
 - Minimum supply water temperature for heating: 28 °C
 - Maximum temperature supply water for cooling: 24°C
- these values can be altered manually with the control panel and/or the circuit board of the controller. Configuration of the microprocessor is accessible via Jaga software.
- control panel: three-button control panel, integrated in the exhaust grille
- LED indicator:
 - Heating, Cooling
 - set speed (1, 2 of 3)
 - warning supply temperature too low or too high
- thermoelectric motor:
 - valve will open in heating or cooling mode as soon as there's a command signal > 1V
 - valve closed in off mode and when the command signal is 0V
- power supply/supplies 230 Vac/24VDC power adapter (supplied standard)
- 24VDC connection with power supply via 24VDC power cable (see option DIN rail power supply)

Options:

- DC connection
- DIN rail power supply 24 VDC: 36 / 60 / 92 of 150 Watt
- Towel rails
- Calorimeter holder.

How to install:

The building services engineer chooses the heating elements considering the following conditions::

- a heat output calculation according to the standard.
- Tables of heat outputs and dimensions according to EN16430
- 1/2" central connection
- The heating elements are placed under the windows: they must be at least as wide as the window, taking into account the heat loss calculation.
- The minimum space requirement under the heating elements is 12 cm
- The heating elements are connected to a one-pipe installation / two-pipe installation, with a single-sided connection. The supply must always be at the top.

Designed and manufactured in Belgium by Jaga nv

performances: Strada Hybrid MM Type 11/Strada Hybrid MM Type 16/Strada Hybrid MM type 21