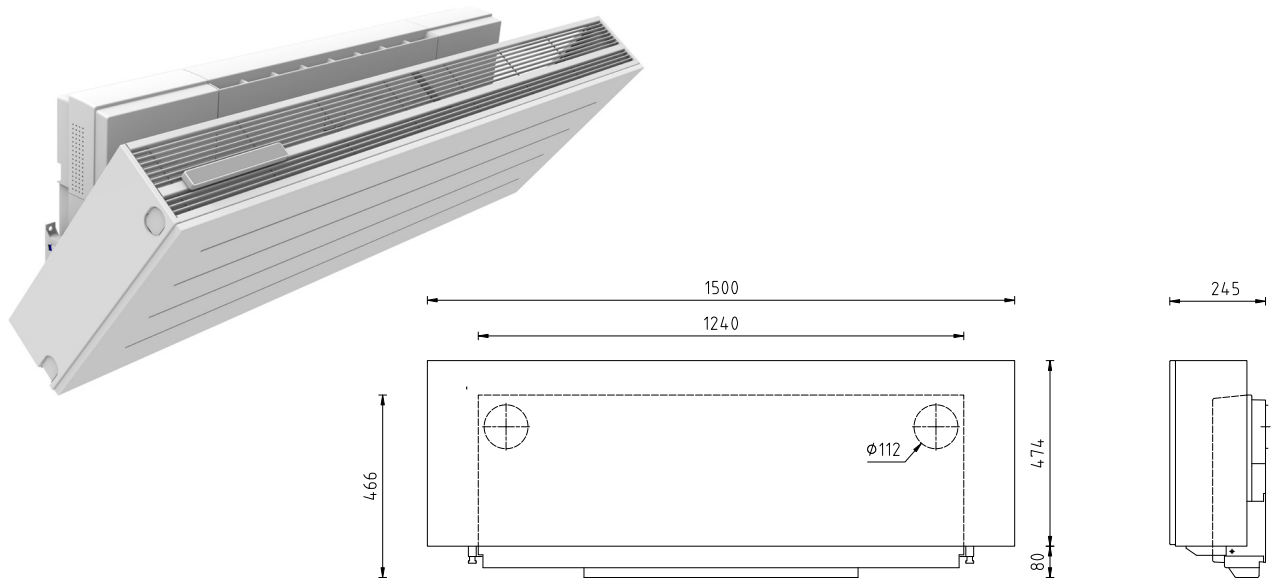


# ClimaRad 2.0 with electrical radiator

The ClimaRad 2.0 with electrical radiator by MasterWatt is a highly innovative ventilation unit with built-in heat exchanger and sensors for CO<sub>2</sub> humidity, indoor and outdoor temperature. The (HRV) ventilation-unit is 'hidden' behind a tilting radiator and takes up very little space. The ClimaRad 2.0 with electrical radiator provides ventilation and heating for each room and is mounted on an outside wall. The supply and discharge of air takes place directly through the façade, whereby the air supplied is pre-heated.

The electrical radiator is 1500 mm wide and 500 mm high and has an output of 2400 W. The electrical radiator is limited to max. 80 °C.

*This WTW unit is also available with Modbus module.*



## ClimaRad 2.0 with electrical radiator

Dimensions:	1500x554x245 mm (wxhxd)
Connections:	2 x Ø 110 mm
Air flow (max):	125 m³/h
Sensors:	CO <sub>2</sub> (demand-controlled), RV, RF, Tbi, Tbui
Connected power:	2465 W (230 VAC/50Hz)
Electrical protection class:	Class II (double insulated)
Specific power input (SPI):	0,12 W/(m³/h)
Standby consumption:	0,5 W
Heat exchanger:	Counter flow is up to 90% efficient
Valves:	Automatically closing valves for inlet and outlet
Air filters:	ePM10-70%
Energy label:	A+
Weight:	19 kg

## Advantages of ClimaRad Comfort

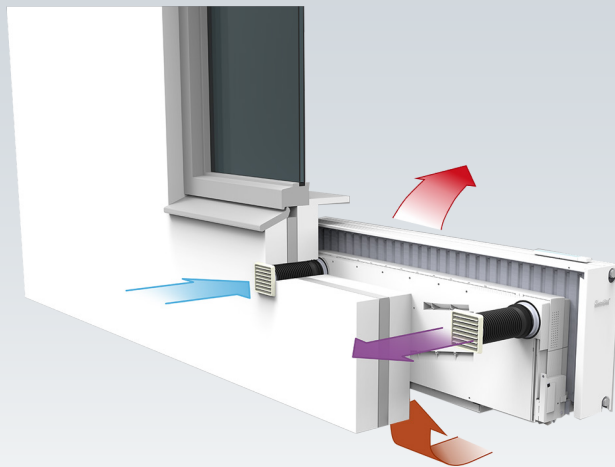
This ClimaRad Solution enables the ventilation of a house directly through the façade. As a result, there is no need for complex air ducts. The built-in sensors of the ClimaRad heat recovery units take automatic measurements based on CO<sub>2</sub>, humidity, and indoor and outdoor temperatures. In this way, the system determines how much fresh air needs to be supplied and preheated.

The ClimaRad Fan, ClimaRad MiniBox or ClimaRad MaxiBox units provide a good indoor air quality in so-called 'wet' rooms. These products are automatically controlled based on the air humidity and presence of people in the room.

Exemple housing



## The operating principle



### The advantages:

- Minimum height of parapet is 520 mm
- CO<sub>2</sub>- and RH control
- Filters, ePM10-70%
- Heat exchanger return up to 90%
- To be used in large living rooms (subject to the attestation of equivalence of the TNO)
- Automatically closing valves guarantee a draft-free ventilation (also for high constructions)
- Optional integrated communication module for inclusion in a Building Management System

# ClimaRad®

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