

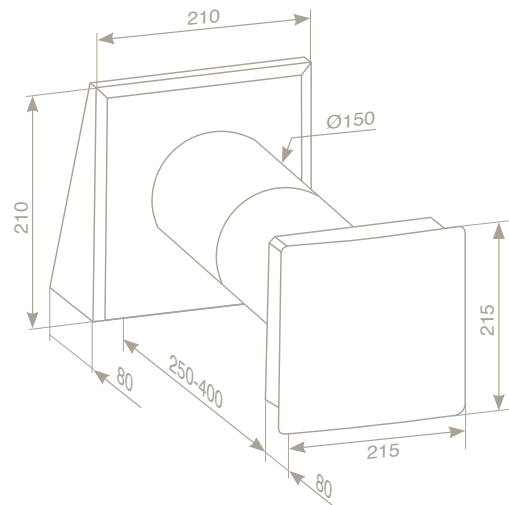
WHR 61 Heat Recovery Unit



The WHR 61 “single room” device for mechanical ventilation with heat recovery is the ideal solution for the air exchange in those rooms where it is not possible to install a ducted system. The unit is fitted with a cylindrical ceramic heat exchanger and a 3-speed high-efficiency reversible fan. It is designed for wall mounting in a Ø 160 mm hole, and it is equipped with an external plastic hood, painted white, to prevent the entry of water and undesired flows of outdoor air into the equipment during operation. The machine, which is provided with an ABS plate to be installed in the room, may be connected to other WHR 61 units by cable bus in order to ensure combined operation of several devices and to favour better exchange of the air in the rooms. The unit operates by remote control, which shall be purchased separately (note that one device can control more units in series).

The fresh air ventilation with heat recovery in the WHR 61 unit occurs in two phases. There is an extraction phase in

which the warm air forced outside by the fan transfers the thermal energy to the ceramic heat exchanger, while in the inflow phase the reversal of motion introduces new air into the room, which is pre-heated by passing through the heat exchanger. Each of the two phases lasts 70 seconds. The unit may also be set up for free-cooling operation.



Specifications:	
Voltage at 50 Hz	220-240 Vac
Power consumption	Speed 1 4.90 W
	Speed 2 6.90 W
	Speed 3 8.90 W
Air flow rate	Speed 1 30 m ³ /h
	Speed 2 45 m ³ /h
	Speed 3 60 m ³ /h
Noise at, 3m	Speed 1 13 dB
	Speed 2 20 dB
	Speed 3 23 dB
High-efficiency heat exchanger	~93% (products in sequence)
Size outdoor vent	lxhxpw (mm) 210x210x80
Size indoor vent	lxhxpw (mm) 215x215x80
Size air duct	Øxl (mm) 150x250÷400

code	model
7045207	WHR 61
7045206	remote control

WHR 61 Main Features

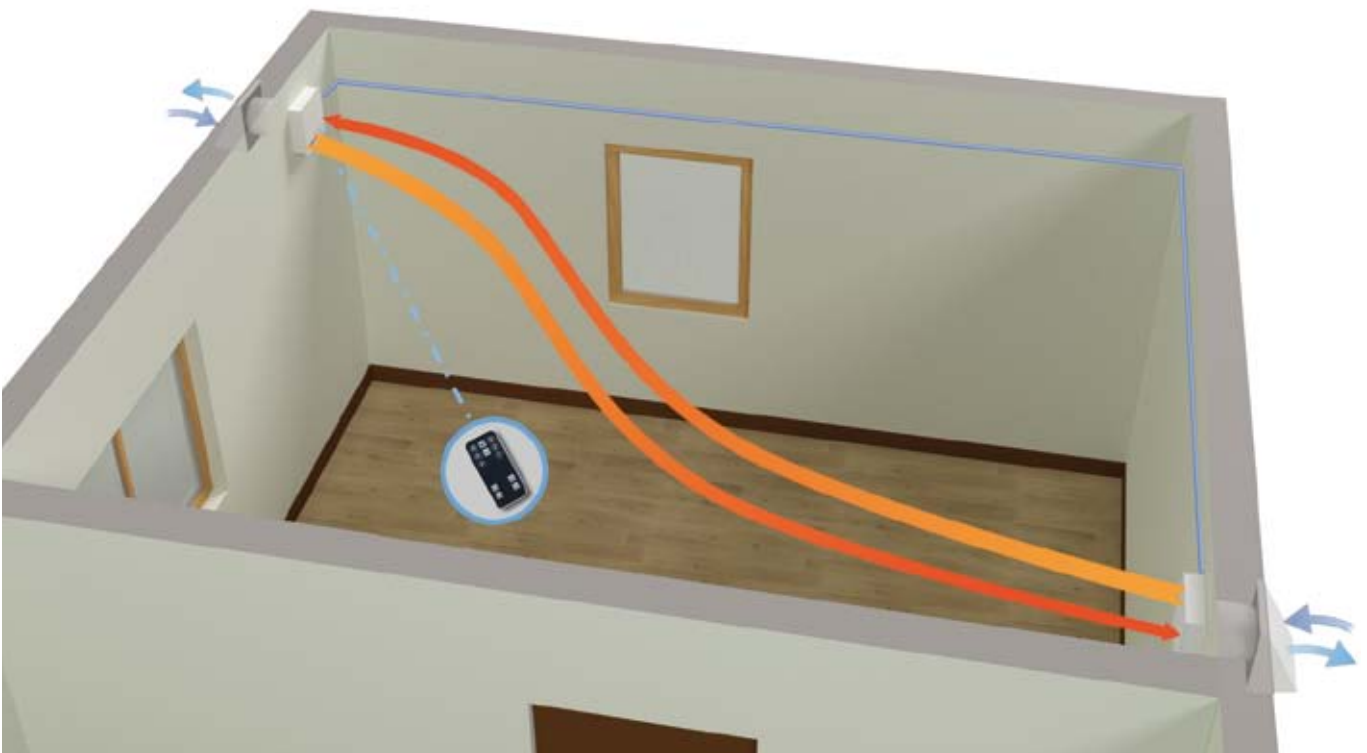
- > Mechanical ventilation with heat recovery (up to 93% with products in sequence)
- > Ceramic exchanger
- > Very low power consumption
- > Ideal solution for both new and refurbished buildings
- > Wall mounting
- > 3-speed operation
- > IPX4 protection level
- > G3 air filter
- > Elegant and compact design
- > Working temperature is included between -20°C and 50°C with maximum relative humidity of 80%

Operation with one product



In case of one unit, the product will alternate the extraction phase of stale air coming from the room and the intake of fresh air coming from the outside. Each phase will take 70 seconds.

Operation with more product in sequence



In case of two or more units communicating by bus connection, one product will take out the wet air from the room and store its thermal energy. In the meantime, the other product will take in clean and pre-heated air. At the end of this phase, the two units will reverse their operation: the former will transfer the energy previously stored in the heat exchanger to the inlet cold air, while the latter will exhaust the stale air by accumulating heat in its ceramic exchanger. Each phase will last 70 seconds.