

VENTO EXPERT A50-1 W V.2



**Energy recovery
single-room units**

VENTO EXPERT

A50-1 W V.2

ENERGY RECOVERY SINGLE-ROOM UNITS



up to
30 CFM



up to
93 %



from
0.3 Sones



FEATURES

Unique Single-Room Energy Recovery Ventilator

One Vento Expert unit in ventilation mode can serve rooms up to 500 sq. ft*

Communication between several ventilators for coordinated operation.

Efficient supply and exhaust single-room ventilation up to 30 CFM.

High-tech ceramic energy regenerator with max. heat recovery efficiency up to 93 %.

Reversible DC motors with low energy demand from 4.45 W and safe voltage of 12 V.

Integrated humidity sensor or connection to external sensor for comfortable microclimate.

Integrated control system.

Silent operation from 0.3 Sones.

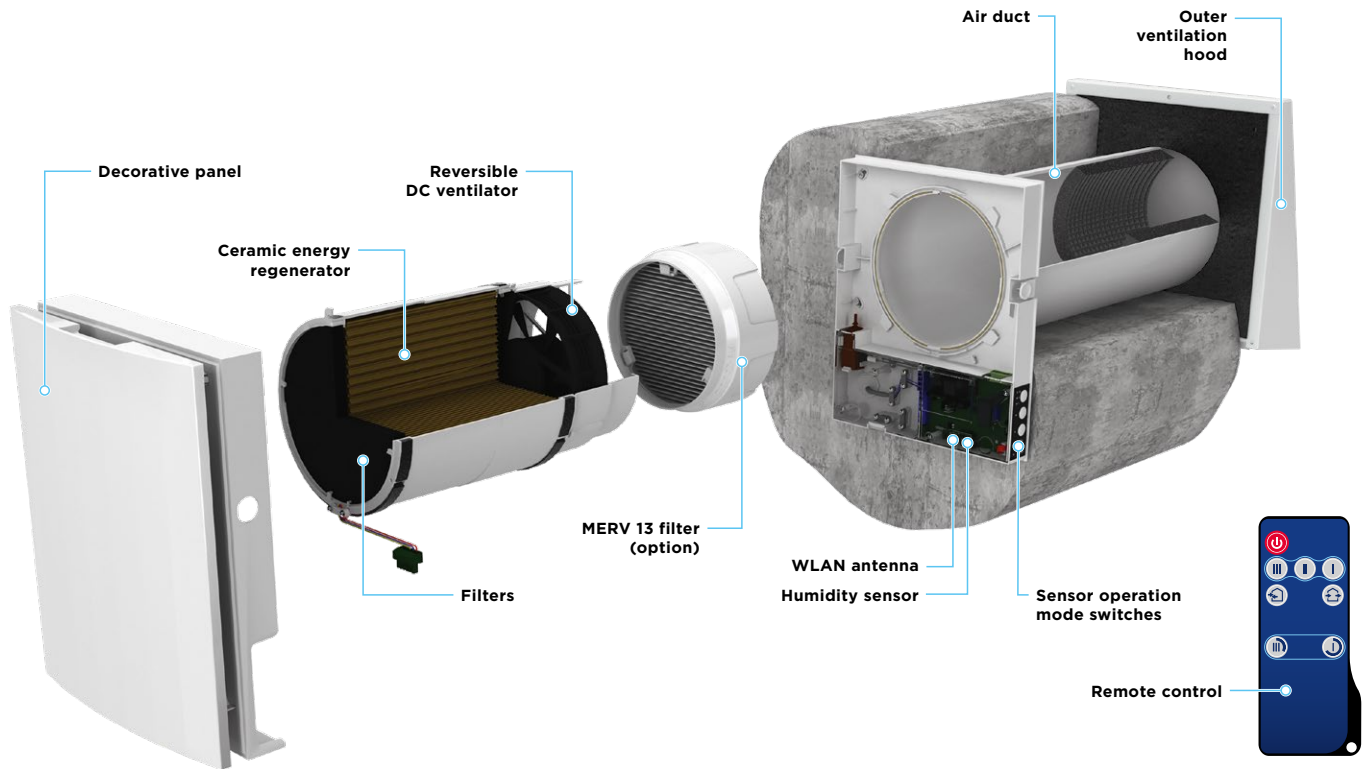
Easy mounting and maintenance.

Air cleaning with total MERV 5 class filters (optionally MERV 13 filter).

Rated for continuous operation.

Frost- and condensate-free.

Design



One of the best heat recovery efficiency on the market due to innovative hexagonal structure of the heat exchanger cells



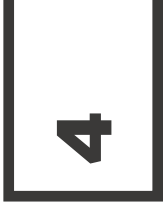
Built-in Wi-Fi for wireless communication between units and Android or iOS device control



Integrated automatic air shutters prevent air back drafting



Easy maintenance. Indoor unit is opened by pressing the latches on both sides. The specially designed front panel can be closed manually to ensure 100 % air tightness and protect against wind impact



Control

Unit control via smartphone or tablet application.

The units can be connected by Wi-Fi for synchronized operation.

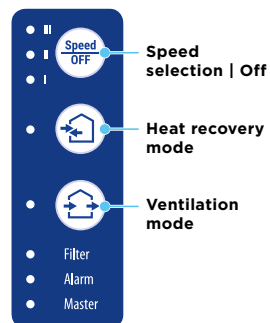
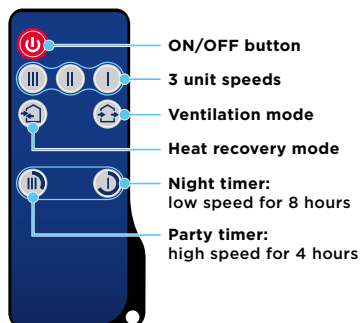
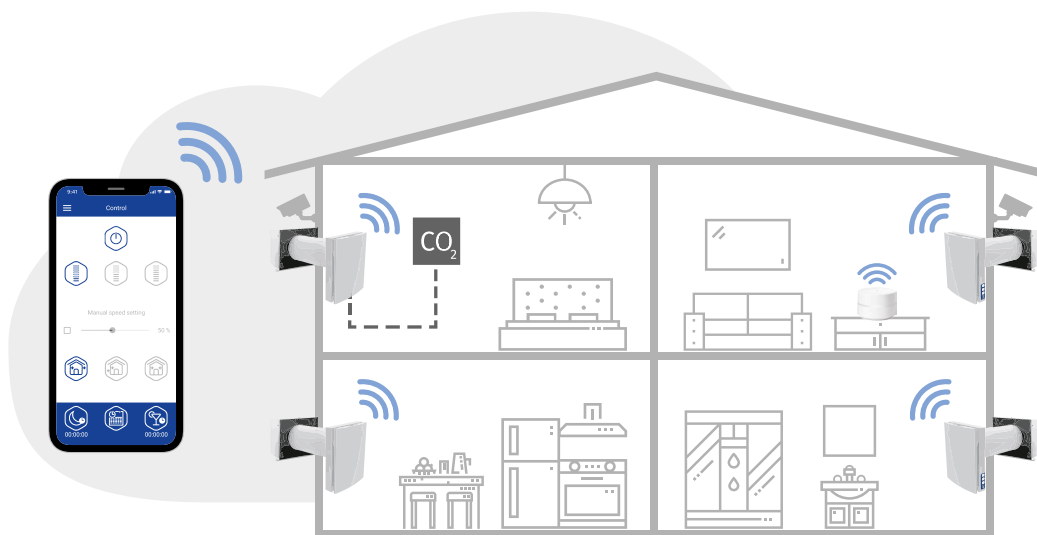
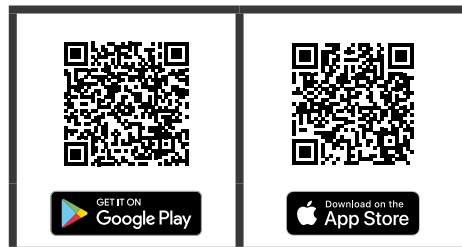
House ventilation control via cloud service from anywhere in the world.

Connection to smart house or Building Management System (BMS) via Wi-Fi.

Control of the unit operation mode is also performed by means of the sensor control panel located on the unit casing or the remote control.

Vento Expert is equipped with a humidity sensor for indoor humidity control. If humidity increases above a set point, the unit boosts to the speed III.

Blauberg Home app for Android or iOS devices is available at Google Play and App Store.



Vento Expert A50-1 W V.2 either can operate as independent unit or can be connected with other units in a house and controlled with a primary unit. In this case, only the primary unit receives a signal from the remote control.



Vento Expert A50-1 W V.2

Energy Recovery



Warm stale air is extracted from the premise, flows through the ceramic regenerator and transfers its heat energy and moisture to it.

As the ceramic regenerator gets warmed up, the unit switches to the supply mode.

Clean cold intake air flows through the regenerator and absorbs accumulated heat and humidity.

When the ceramic regenerator is cooled down, the unit switches to the extract air mode.

Mounting

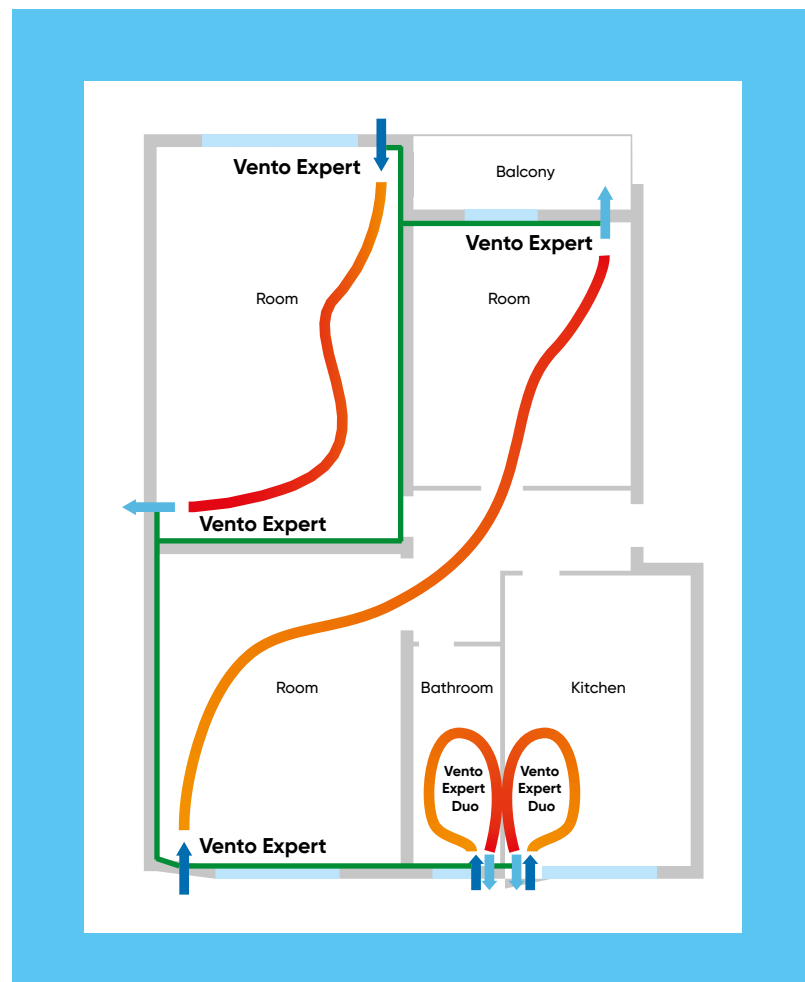
The unit is designed for through-the-wall installation inside a prepared hole in an outer wall of the building.

The best ventilation solution is pairwise installation of reverse phase connected units. Some units ensure supply of fresh air to the room and the other units extract air from the premise. This way the most efficient balanced ventilation is arranged.

In case of brand new construction, units are mounted in two stages:

Pre-installation at the stage of the indoor finishing and outer decorative wall finishing. It includes installation of an air duct, an outer ventilation hood and cable installation.

Final mounting before commissioning of a house. It includes installation of a regenerator with a fan and filters and mounting and wiring of an indoor unit with a 3 controller and shutters.



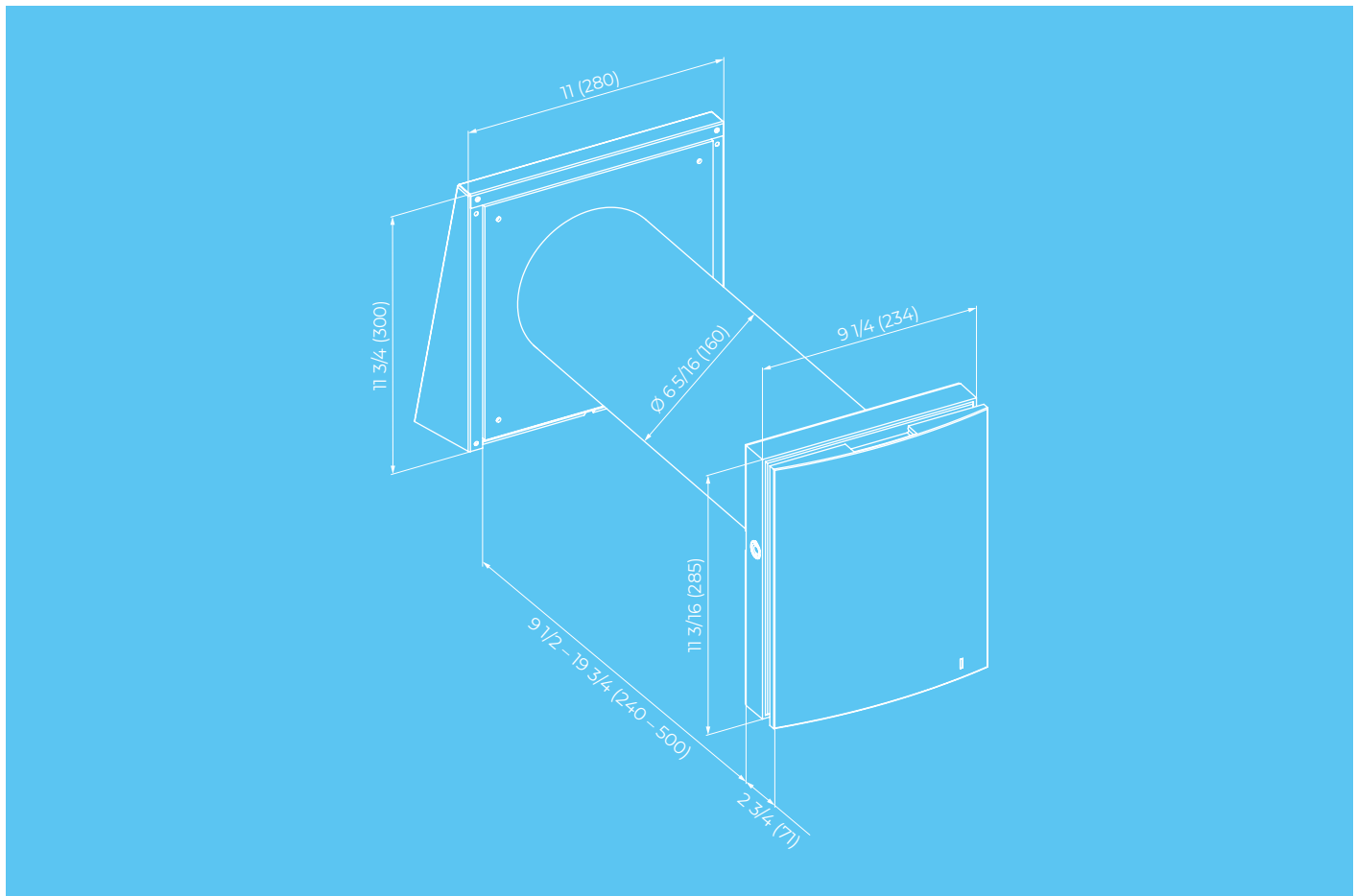
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Technical data

Model	Vento Expert A50-1 W V.2		
Speed	1	2	3
Supply voltage, 50/60 Hz [V]	1-100-240		
Power [W]	4.45	5.08	7.06
Max. current consumption [A]	0.035	0.040	0.059
Air flow in ventilation mode [CFM]	9	18	30
Air flow in regeneration mode [CFM]	4	9	15
RPM	800	1300	1900
Sound [Sones]	0.6	1.0	1.2
Outdoor sound pressure attenuation [Sones]	2.5		
Transported air temperature [°F (°C)]	-4...104 (-20...+40)		
Recovery efficiency [%]	≤ 93		
Regenerator material	Ceramic		
Ingress Protection	IP24		

Overall Dimensions [in (mm)]





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