

VENTO EXPERT DUO A30-1 S W



**Heat recovery
single-room units**

VENTO EXPERT

DUO A30-1 S W

HEAT RECOVERY SINGLE-ROOM UNITS



up to
18 CFM



up to
85 %



from
0.4 Sones



FEATURES

Unique Single-Room Energy Recovery Ventilator

One Vento Expert unit in ventilation mode can serve rooms up to 200 sq. ft*

Communication between several ventilators for coordinated operation.

Efficient supply and exhaust single-room ventilation up to 18 CFM.

High-tech ceramic energy regenerator with max. heat recovery efficiency up to 85 %.

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

Integrated control system.

Silent operation from 0.4 Sones.

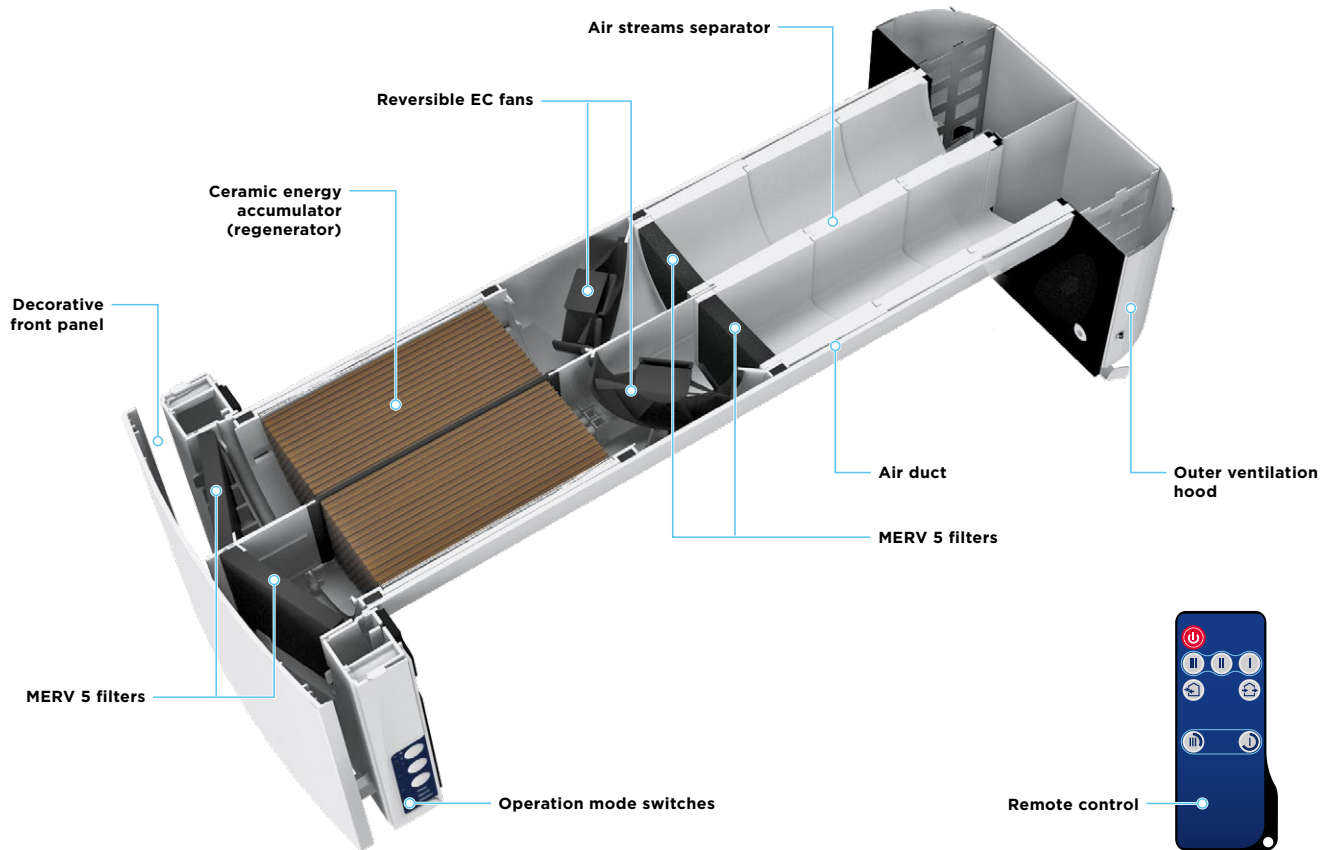
Easy mounting and maintenance.

Air cleaning with total MERV 5 class filters.

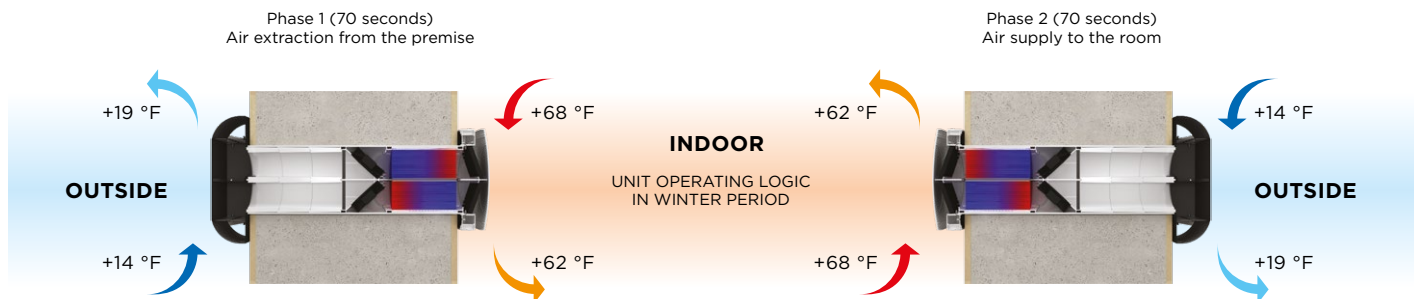
Rated for continuous operation.

Frost- and condensate-free.

Design



Energy Recovery

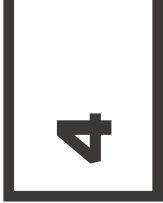


To increase the efficiency of the Vento Expert Duo, the regenerator is divided into two parts, which are isolated from one another, thus eliminating the transfer of heat and moisture between them.

One of the fans operates in the supply mode: fresh cold intake air from outside flows through the first regenerator, and absorbs accumulated heat and humidity.

At the same time, the other fan operates in the exhaust mode: warm stale air is extracted from the room to the outside, and while passing through the other regenerator, gradually heats it up and transfers some of the moisture.

After 70 seconds operation the fans change the rotation direction and opposite processes start.



Control

Unit control via smartphone or tablet application.

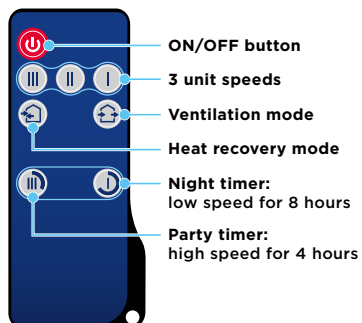
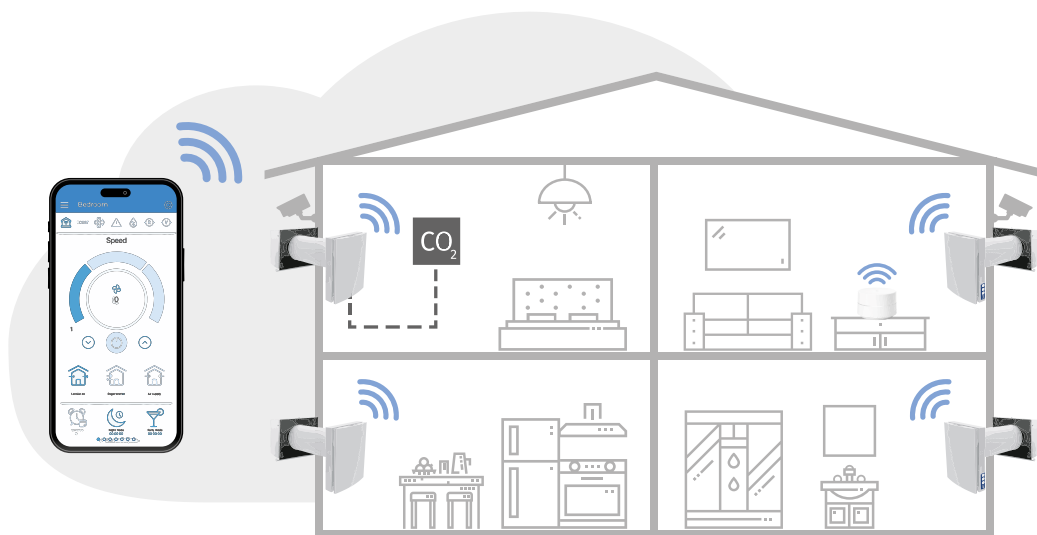
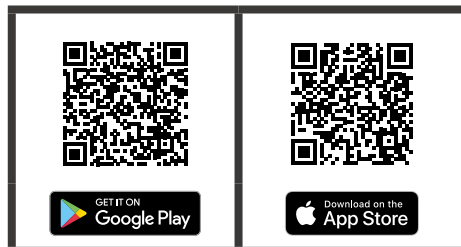
The units can be connected by Wi-Fi for synchronized operation.

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

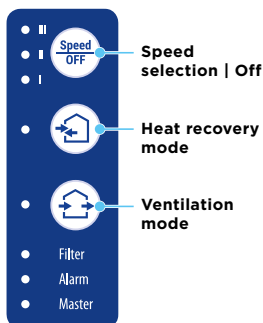
Control of the unit operation mode is also performed by means of the sensor control panel located on the unit casing or the remote control.

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.

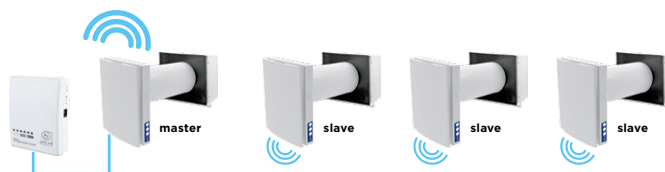


- ON/OFF button
- 3 unit speeds
- Ventilation mode
- Heat recovery mode
- Night timer: low speed for 8 hours
- Party timer: high speed for 4 hours



- Speed selection | Off
- Heat recovery mode
- Ventilation mode
- Filter
- Alarm
- Master

Vento Expert DUO A30-1 S W 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 DUO A30-1 W

Mounting

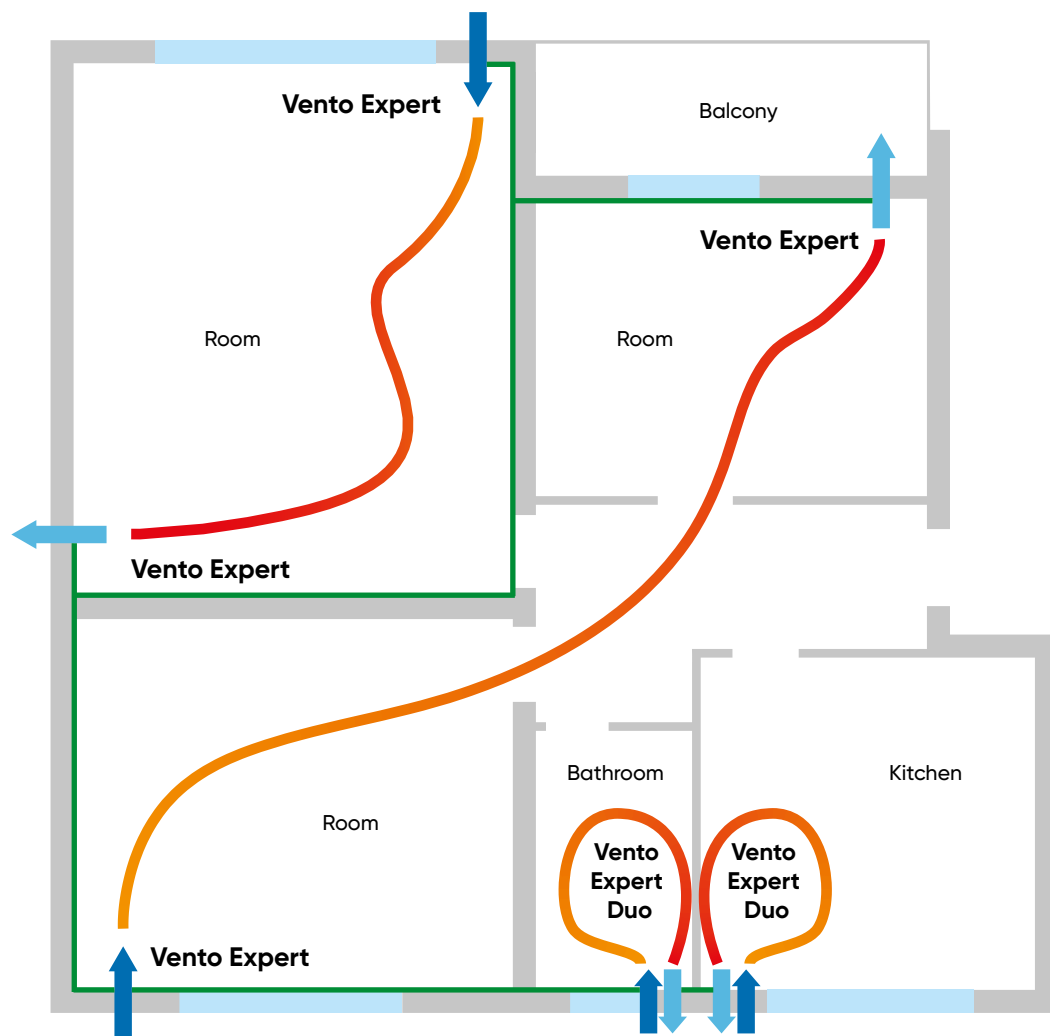
The unit is designed for through-the-wall installation inside a prepared hole in an outer wall of the building.

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.



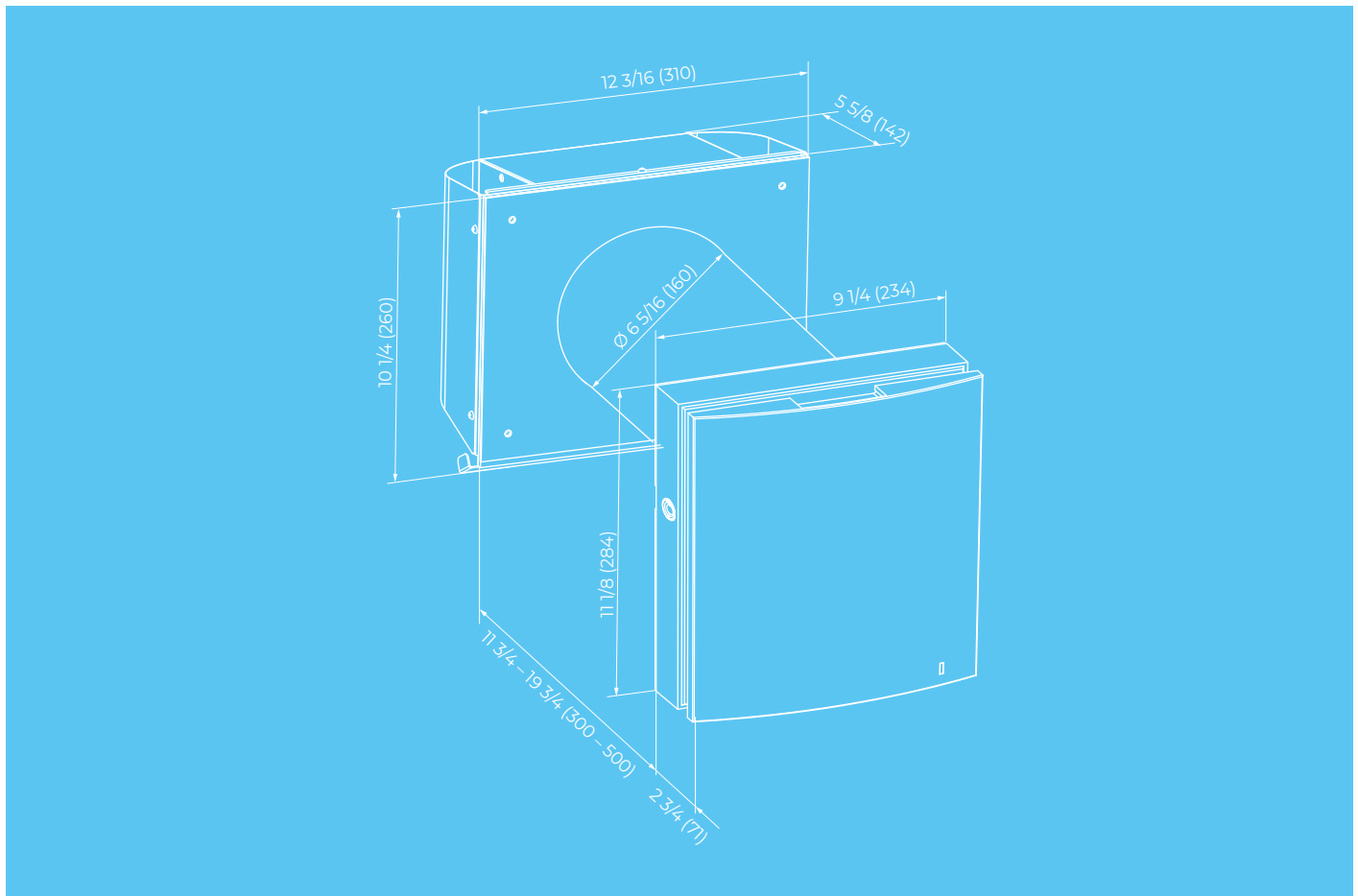
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Technical data

Model	Vento Expert DUO A30-1 S W		
Speed	1	2	3
Supply voltage, 50/60 Hz [V]	1-100-240		
Power [W]	2.17	3.66	6.62
Max. current consumption [A]	0.026	0.039	0.066
Air flow in ventilation mode [CFM]	6	12	18
Air flow in regeneration mode [CFM]	6	12	18
RPM	1600	2200	2500
Sound [Sones]	1.2	2.0	2.5
Noise attenuation according to DIN EN ISO 10140-2: 2010 [Sones]	2.5		
Indoor/outdoor airtightness classification of the complete unit in accordance with EN 13141-8	D2		
Transported air temperature [°F (°C)]	-4...104 (-20...+40)		
Recovery efficiency [%]	≤ 85		
Ingress Protection	IP24		

Overall Dimensions [in (mm)]





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