

SINGLE-ROOM  
HEAT RECOVERY UNIT  
WITH WI-FI CONTROL

**NEW**

**VENTO Expert Duo A30-1 W**

AIR CAPACITY – UP TO 30 m<sup>3</sup>/h

HEAT RECOVERY EFFICIENCY – UP TO 85 %

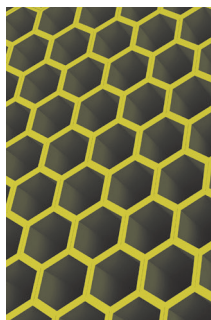
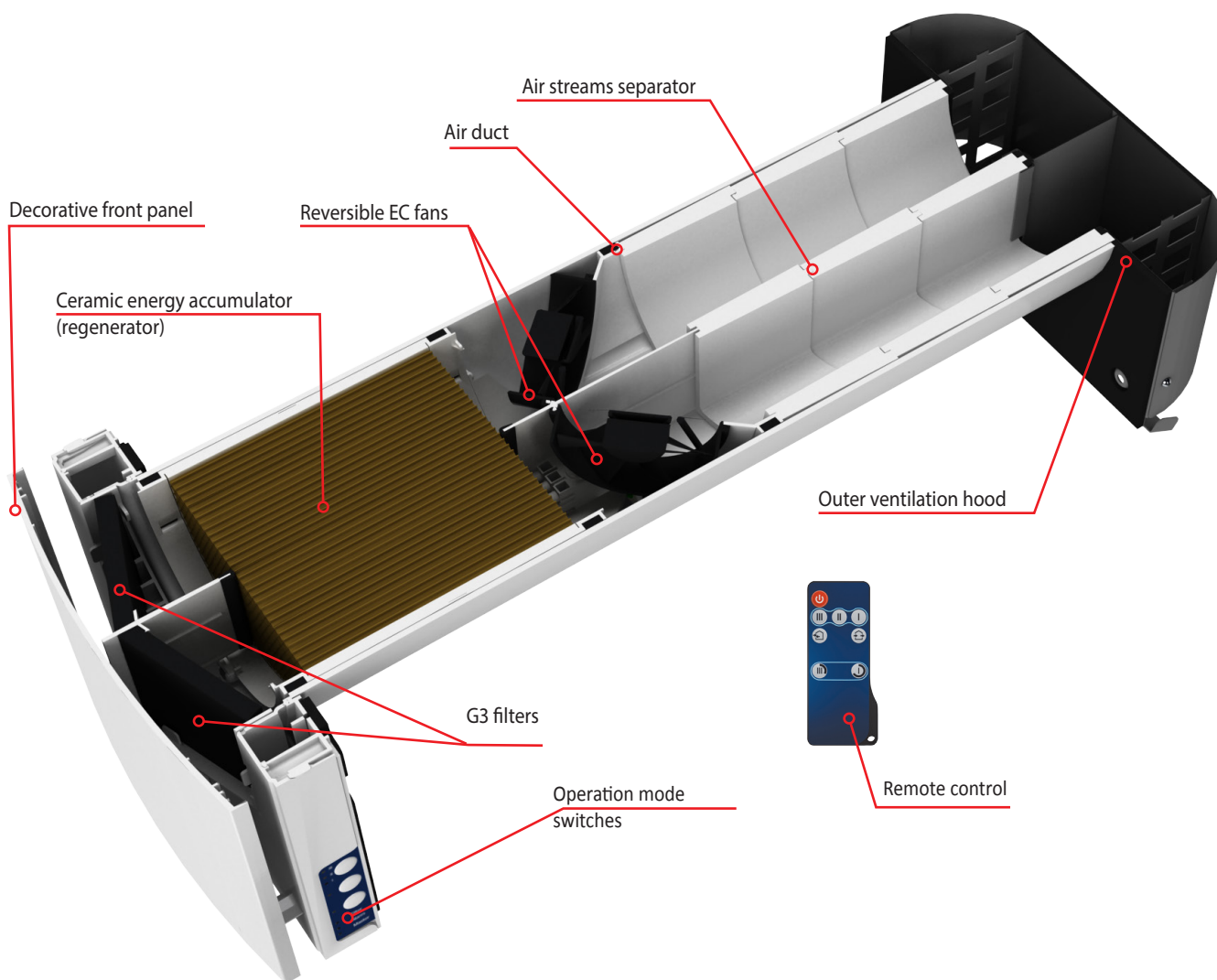


**BLAUBERG**  
Ventilatoren

## ■ Use

- ❑ Arrangement of balanced energy saving, supply and exhaust, single-room ventilation in kitchen, bathroom and utility room.
- ❑ Reducing heat losses caused by ventilation due to heat recovery.
- ❑ Humidity balance and regulated air exchange create individually controlled microclimate.
- ❑ Wi-Fi communication between several single-room ventilation units for coordinated operation.
- ❑ Controlled by Android or IOS smartphone or tablet.

## ■ Design



One of the best regeneration 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.

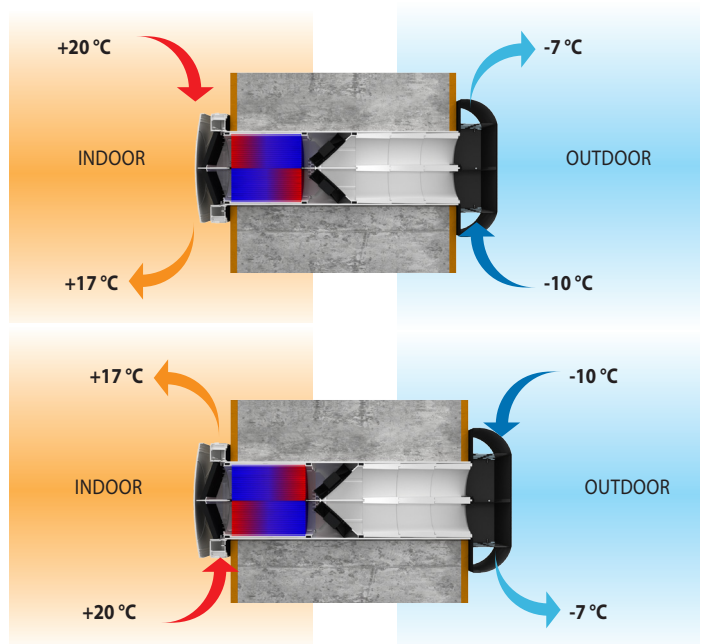
## ■ Unit operating logic in winter period

### Phase 1 (70 seconds)

- One fan supplies fresh and cold air from outdoor, which flows through the correspondent part of the ceramic regenerator and absorbs accumulated heat and humidity.
- At the same time, another fan extracts stale and warm air from indoor, that flows through the other part of the ceramic regenerator and transfers heat energy and moisture to it.

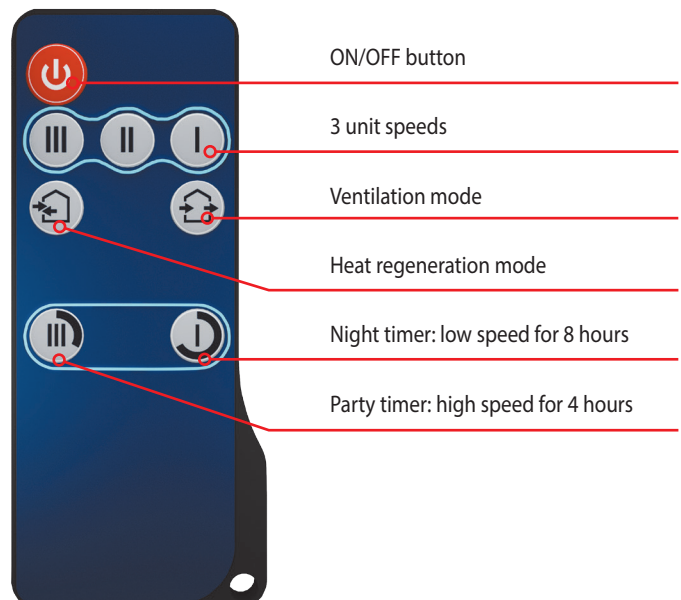
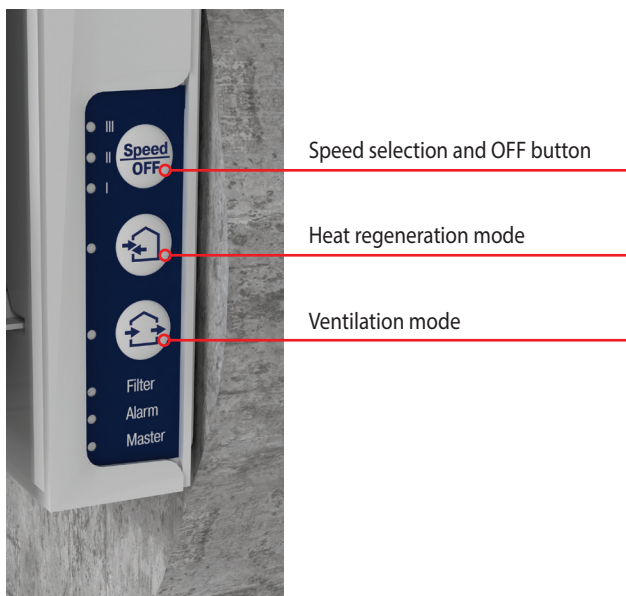
### Phase 2 (70 seconds)

- After 70 second of operation, fans change their directions of rotations to the opposite ones, and everything happens vice versa.



## ■ Control

- Control of the unit operation mode is performed by means of smartphone, sensor control panel located on the unit casing or a remote controller.



VENTO Expert Duo either can operate as independent unit, or can be wired with other units in a house to be controlled with a master unit. In this case, only the master unit receives a signal from the remote control.

VENTO Expert Duo is equipped with a humidity sensor for indoor humidity control. If humidity will rise higher than set point, than the unit will boost to high speed independently from other units in the system.

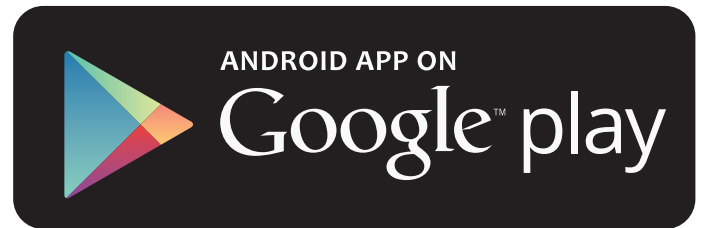
The units can be connected by Wi-Fi for synchronized operation.



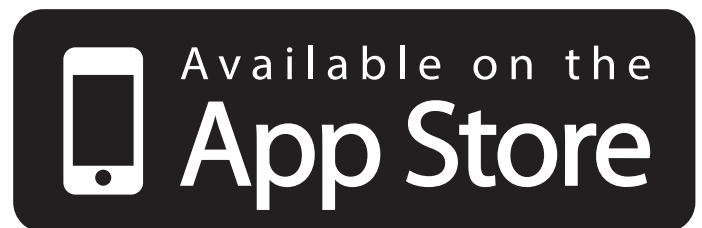
**VENTO Expert Duo A30-1 W**



**VENTO Expert A50-1 W**



The units can be connected by Wi-Fi.  
Blauberg Vento app for Android or IOS devices is available at Google Play and App Store.



The VENTO Expert Duo A30-1 W unit can be connected to a laptop for advanced settings:

- Master or Slave;
- Connection through a Wi-Fi router or directly to a smartphone.



A humidity sensor is built into the unit



An external CO<sub>2</sub> sensor can be connected to the unit

## ■ Technical data

Voltage / 50-60 Hz [V]	Power [W]	Current, A	RPM	Speed	Air capacity in regeneration mode [m <sup>3</sup> /h]	Air capacity in exhaust only mode [m <sup>3</sup> /h]	Filter	Temperature of transported air [°C]	Noise level @ 1 m [dB(A)]	Noise level @ 3 m [dB(A)]	Outdoor sound pressure attenuation [dB(A)] according to DIN EN 20140 [dB(A)]	Regeneration efficiency [%] in accordance with DIBtLÜ-A 20	SEC Class	Ingress Protection Rating
100-230	2.17	0.026	1600	1	10	20	G3	-30...50	33	24	42	85	A	IP24
	3.66	0.039	2200	2	20	40			40	31		80		
	6.62	0.066	2500	3	30	60			43	34		75		

**ENERG**  
енергия · ενεργεια

Y UA  
IE IA

**Blauberg** VENTO Expert Duo A30-1 W

**A+**

**A**

**B**

**C**

**D**

**E**

**F**

**G**

**A**

**44**  
**dB(A)**

**30**  
**m<sup>3</sup>/h**

ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI

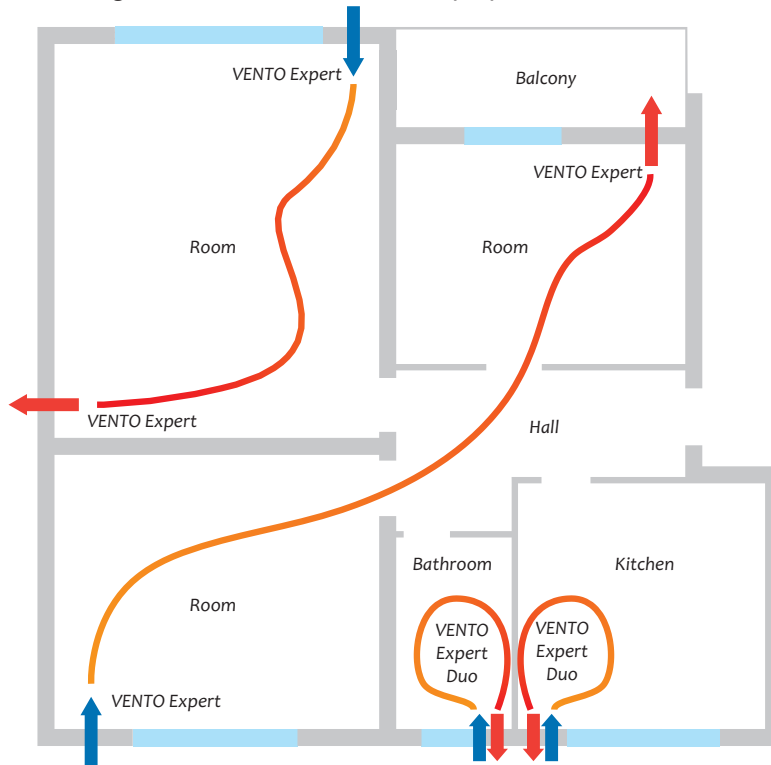
1254/2014

Trade mark	BLAUBERG					
Model	VENTO Expert Duo A30-1 W					
Specific energy consumption (SEC), kWh/(m <sup>2</sup> .a)	Cold		Average		Warm	
	-86.0	A+	-42.4	A	-16.4	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery, %	85					
Maximum flow rate, m <sup>3</sup> /h	30					
Electric power input, W	6.62					
Sound power level, dB(A)	44					
Reference flow rate, m <sup>3</sup> /s	10					
Reference pressure difference, Pa	0					
Specific power input (SPI), W/(m <sup>3</sup> /h)	0.217					
Control typology	Local demand control					
Maximum internal leakage rates, %	2.7					
Maximum external leakage rates, %	2.7					
Mixing rate of bidirectional units, %	1					
Airflow sensitivity at +20 Pa and -20 Pa	13 / 43					
The indoor/outdoor air tightness, m <sup>3</sup> /h	0.45					
Internet address	www.blaubergventilatoren.de					
The annual electricity consumption (AEC), kWh electricity/a	Cold	Average		Warm		
	1.0	1.0		1.0		
The annual heating saved (AHS), kWh primary energy/a	Cold	Average		Warm		
	81.1	41.5		18.8		

## ■ Mounting

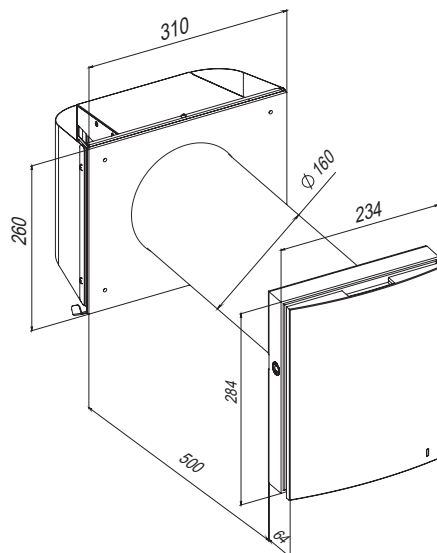
VENTO Expert A50-1 W units should be installed in the living room and bedrooms while VENTO Expert Duo A30-1 W should be installed in kitchen, bathrooms and utility room.

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



## ■ Overall dimensions, mm

VENTO Expert Duo A30-1 W



## ■ Accessories

Accessory name	Description
FP VENTO Expert Duo A30 G3	G3 filter kit (2 pcs.)
FB VENTO Expert A30	Remote control

Blauberg Ventilatoren GmbH  
Aidenbachstr. 52a  
D-81379 München

[info@blaubergventilatoren.de](mailto:info@blaubergventilatoren.de)  
[www.blaubergventilatoren.de](http://www.blaubergventilatoren.de)



Technical changes reserved.  
Illustrations and texts are non-binding.