

VENTO MAXI AIR | VENTO MIDI AIR | VENTO MINI AIR | VENTO DUO AIR

Single-room heat recovery unit

Extractor fan

Positive input ventilator

Decentralised mechanical extract unit

Energy Saving Ventilation for the Home



Blaberg Vento is a revolutionary way to ventilate your home.

Install individual ventilators in each of your rooms, or throughout the whole of your home to provide a balanced ventilation system. That recovers vast amounts of heat and energy. This energy is normally wasted with traditional ventilation systems.

Each unit will continually extract dirty air, mould spores and condensation. The reversible action will then supply clean, fresh air from outside and recycle the heat generated from your home.

"For every £1 of heat and energy wasted extracting air using traditional ventilation, a minimum of 85p can be recovered using a Blaberg Vento Unit"

Each Blaberg Vento unit is Wifi enabled, so they can work on their own, or collectively. This means you can start with one unit and add more as you go. Alternatively, install them throughout your home for a balanced, whole house ventilation solution.

Controlling Vento units is up to you. You can control each unit locally, or remotely. Each unit is fitted with basic functions so you can switch modes to boost air on demand.

Alternatively, download the app and operate your system from your smartphone or tablet. Better still, connect to a virtual assistant such as Google Play or Amazon Alexa to compliment your smart home system.

Vento units are effective all year round, and effectively adapt to each season. Each ventilator works to maintain the same airflow rates, while constantly adjusting energy recovery and humidity levels. This ensures that whatever the weather, maximum comfort and indoor air quality is maintained.

There are four sizes of Vento units to choose from:

- Maxi-Air** - Kitchen, Pantry and Utility Rooms
- Midi-Air** - Living and Dining Rooms
- Mini-Air** - Bedrooms and Quiet Rooms
- Duo-Air** - Bathrooms, Toilets and Wet Rooms

How do Vento's Work?

Vento Maxi, Midi and Mini are designed for living and sleeping rooms and work in cycles. Ventilate and recover heat in the winter and cooler air in the summer. The first cycle extracts dirty air for 70 seconds. The air is drawn over the energy recovery core and heated up with the warm air from your home, ready for recycling. After 70 seconds, the second cycle reverses the airflow, collects the recycled heat from the energy core and supplies fresh, warm air into your home.

Vento Duo is designed for the kitchen, utility room, toilets, wet rooms and works continually. The principles are the same as other vento units, but work a little differently to contain smells and humidity within the room. Duo has two low energy motors to constantly extract air, collect heat, supply air and it works in one continuous cycle.

When it's cold outside, you can:

- Remove mould, condensation and humidity.
- Extract dirty air and airbourne pollutants.
- Ventilate your home 24/7.
- Recover upto 93% of lost heat and energy.
- Increase your indoor air quality.
- Introduce fresh air into your home.

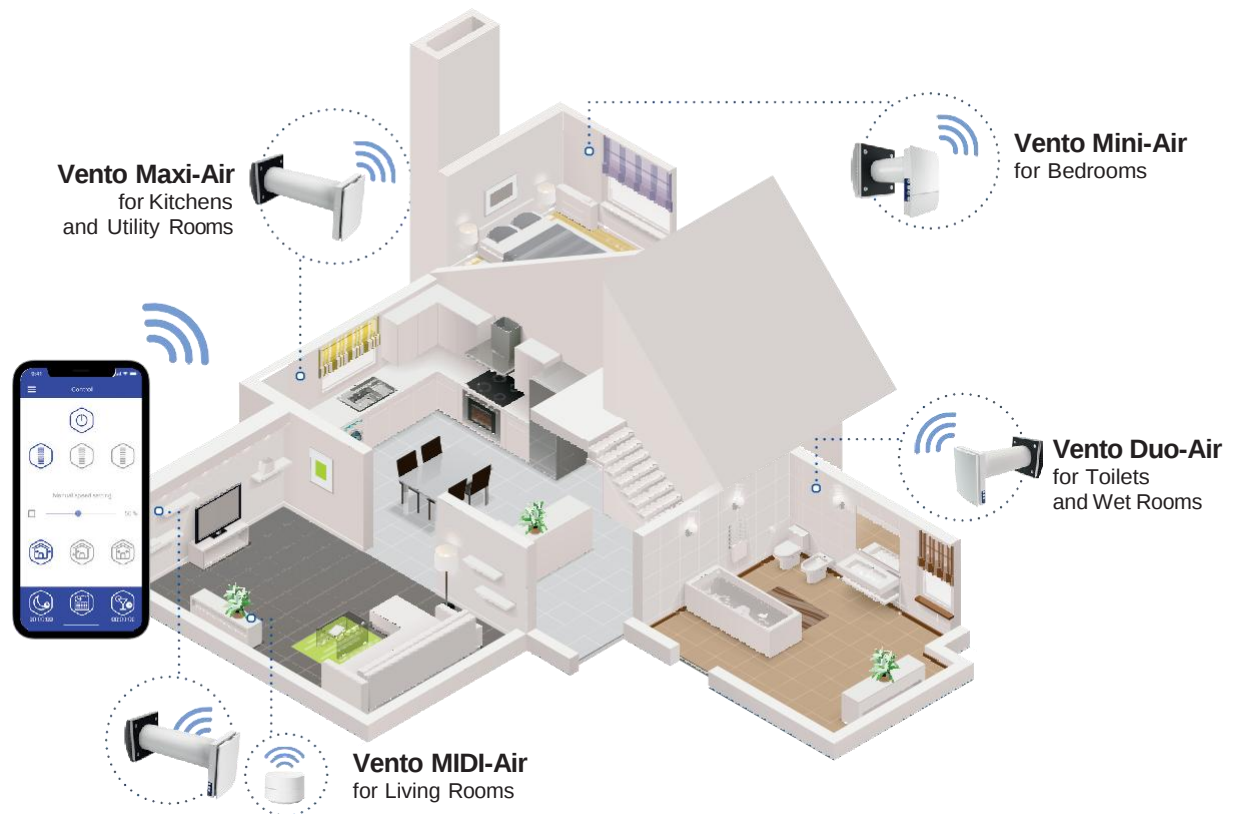


When it's hot outside, you can:

- Reduce overheating of your home.
- Recover upto 93% of internal cooler air.
- Leave windows closed when cooling.
- Ventilate your home 24/7.
- Extract dirty air and airbourne pollutants.
- Increase your indoor air quality.



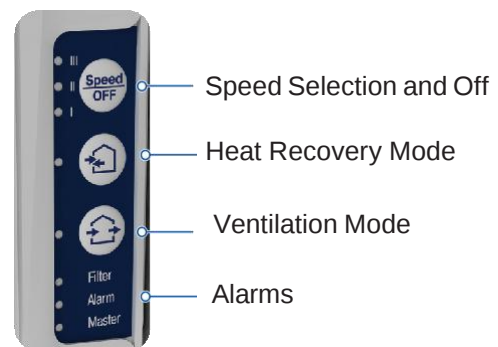
How to Control your Vento's



Local Control

All Vento units have locally mounted controls for basic functionality, so you are able to:

- Switch off and select low, medium and boost speeds.
- Activate heat and energy recovery mode.
- Switch to active ventilation (extract or supply air).
- Visual indication of alarms and master/slave statistics.



App Control via Smart Phone, Tablet or through the Cloud



Download the Blauberg Vento app to access full functionality for your ventilation system.

- Control each unit collectively or independently.
- Switch between all ventilation modes: energy and heat recovery, PIV (positive input), intermittent extract and decentralised ventilation.
- Set dates and times with the built-in 24 hour, 7 day calendar.
- Set speed levels, boost, timers and external sensors such as CO² and VOC's.
- View warnings and alarms.
- Set up connections for home, Wifi and access through the cloud.

Connect to Alexa or Google Play Virtual Assistant



Integrate your energy saving ventilation system into your smart home with Alexa and Google Play integration.

- Control each unit collectively or independently.
- Switch between all ventilation modes: energy and heat recovery, PIV (positive input), intermittent extract and decentralised ventilation.
- Set dates and times with the built-in 24 hour, 7 day calendar.
- Set speed levels, boost, timers and external sensors such as CO² and VOC's.
- View warnings and alarms.
- Set up connections for home, Wifi and access through the cloud.

Setting Up your Vento Units

When using more than one Vento unit, choose one to act as 'master', with all other additional units set as 'slaves'.

The Master unit will then use Wifi technology to communicate all information to the Slave units. This then provides a centralised whole house ventilation and heat recovery solution for the home.

Typical House Layout



Certification



All Blauberg Vento units are TÜV Certified. This is a highly recognised, worldwide trademark of trust and quality. A TÜV certification ensures that a product, service, or process has been tested for safety and that it complies with the requirements of national, regional and international regulations. It assures consumers that the product has been checked thoroughly for any defects or potentially dangerous materials.

All Blauberg Vento units are DIBt Certified. This highly esteemed certificate is reserved for the very highest quality, German-made products. It also certifies the heat and energy recovery rates tested at Stuttgart University Laboratory.



All Blauberg Vento units are tested at Stuttgart University Laboratories; one of only a few test facilities in the world that is capable of testing decentralised ventilation heat recovery units. Not only does this confirm that Vento units are manufactured to British Standards BS EN 13141-8, it certifies energy consumption and more importantly, the heat recovery and energy recovery rates.

Vento Maxi-Air | Designed for Kitchens and Utility Rooms



 Kitchens and Utility Rooms

 Airflow rate up to 30 l/s

 Up to 93% heat recovery

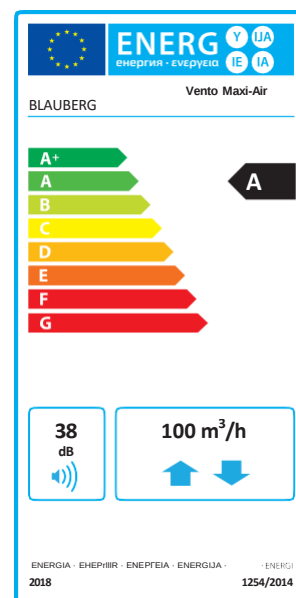
 Low energy: from 4.45w

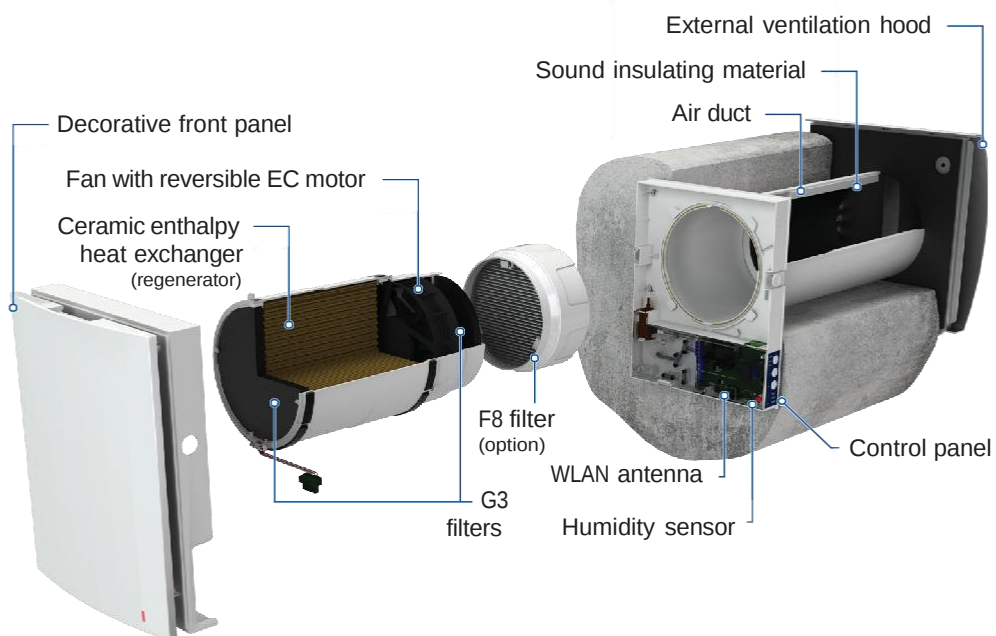
 Low Noise Level



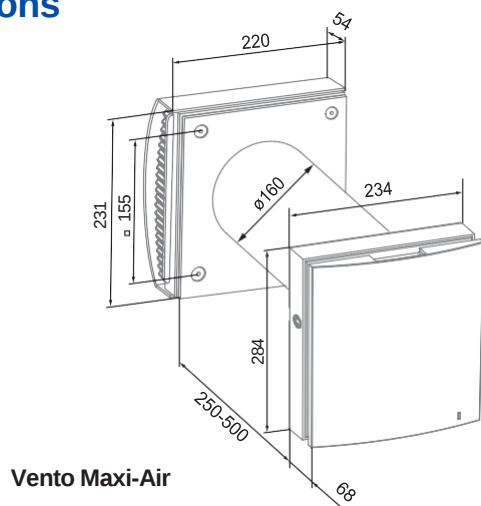
Technical Data

Parameters	Vento Maxi-Air			
Speed	I	II	III	MAX
Voltage - (V) 50 (60) Hz	100–230			
Power - Watts (W)	3.2	4.00	6.6	18
Current - Amps (A)	0.037	0.046	0.071	0.151
Speed - RPM	780	1100	1920	2940
Intermittent Extractor Fan Mode - IEF				
Maximum Airflow litres per second (l/s)	5	8	16	30
Minimum Specific Fan Power SFP - (w/l/s)	0.64	0.5	0.41	0.6
Positive Input Ventilation Mode - PIV				
Maximum Airflow litres per second (l/s)	5	8	16	30
Minimum Specific Fan Power SFP - (w/l/s)	0.64	0.5	0.41	0.6
Decentralised Heat Recovery Ventilation Mode - dMVHR				
Maximum Airflow litres per second (l/s)	3	4	8	15
Minimum Specific Fan Power SFP - (w/l/s)	1.06	1.06	0.83	1.2
Decentralised Mechanical Extract Ventilation Mode - dMEV				
Maximum Airflow litres per second (l/s)	5	8	16	30
Minimum Specific Fan Power SFP - (w/l/s)	0.64	0.5	0.41	0.6
Filter	G3 (F8 available as an optional extra)			
Transported air temperature - (°C)	-20 - +40			
Sound pressure level at 3 m - (dBA)	13	18	30	42
Heat recovery thermal efficiency - (%)	up to 87			
Ingress protection rating - (IP)	24			

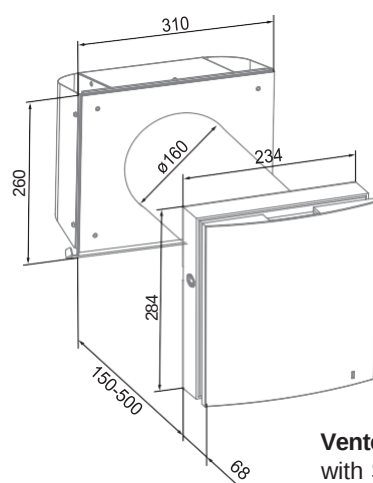




Dimensions



Vento Maxi-Air



Vento Maxi-Air
with Slim Wall Mounting Cowl

Vento Midi-Air | Designed for Living and Dining Rooms



 Living and Dining Rooms

 Airflow rate up to 15 l/s

 Up to 87% heat recovery

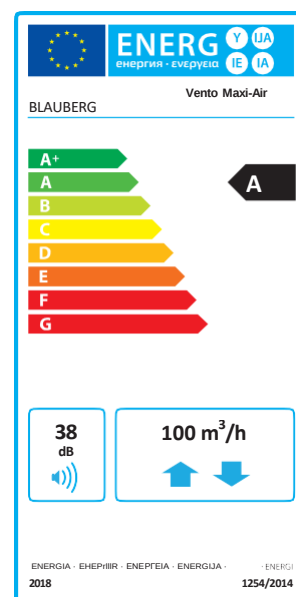
 Low energy: from 4.45w

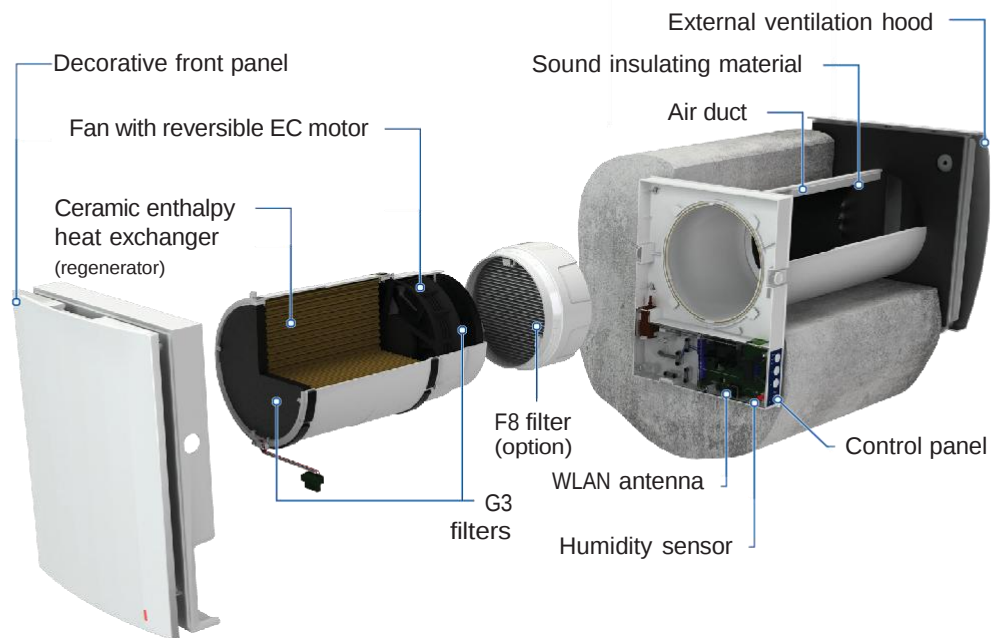
 Low Noise Level



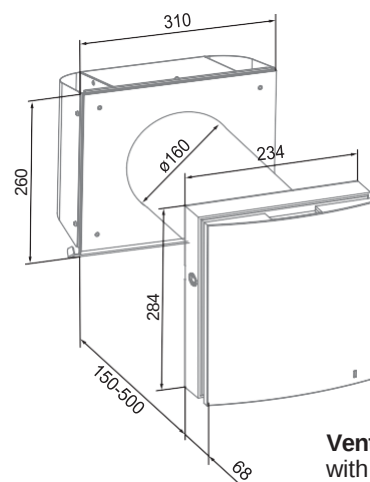
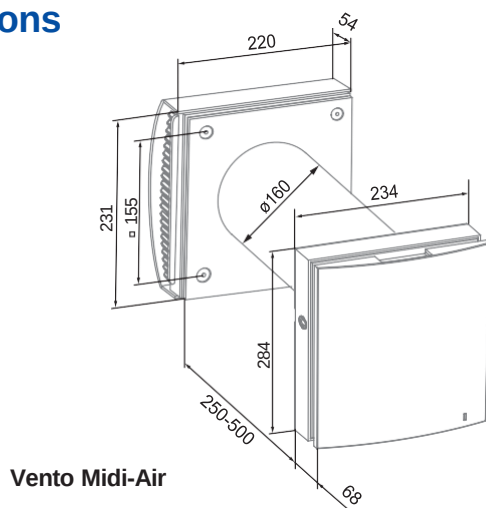
Technical Data

Parameters	Vento Midi-Air		
Speed	I	II	III
Voltage - (V) 50 (60) Hz	100–230		
Power - Watts (W)	4.45	5.08	6.99
Current - Amps (A)	0.035	0.040	0.059
Speed - RPM	800	1300	1900
Intermittent Extractor Fan Mode - IEF			
Maximum Airflow litres per second (l/s)	4	8	15
Minimum Specific Fan Power SFP - (w/l/s)	1.11	0.65	0.49
Positive Input Ventilation Mode - PIV			
Maximum Airflow litres per second (l/s)	4	8	15
Minimum Specific Fan Power SFP - (w/l/s)	1.11	0.65	0.49
Decentralised Heat Recovery Ventilation Mode - dMVHR			
Maximum Airflow litres per second (l/s)	2	4	7
Minimum Specific Fan Power SFP - (w/l/s)	2.23	1.27	0.99
Decentralised Mechanical Extract Ventilation Mode - dMEV			
Maximum Airflow litres per second (l/s)	4	8	14
Minimum Specific Fan Power SFP - (w/l/s)	1.11	0.65	0.49
Filter	G3 (F8 available as an optional extra)		
Transported air temperature - (°C)	-20 - +40		
Sound pressure level at 3 m - (dBA)	13	18	30
Heat recovery thermal efficiency - (%)	up to 87		
Ingress protection rating - (IP)	24		





Dimensions



Vento Mini-Air | Designed for Bedrooms and Quiet Rooms

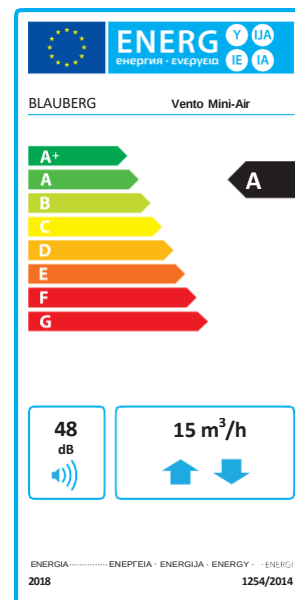


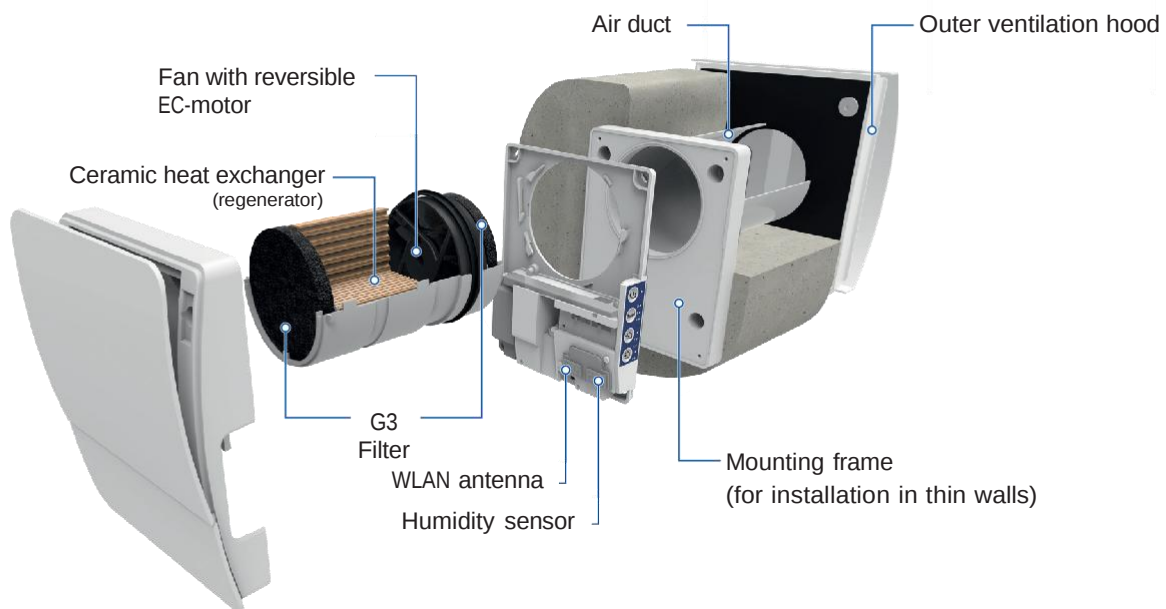
-  Bedrooms and Quiet Rooms
-  Airflow rate up to 8 l/s
-  Up to 85% heat recovery
-  Low energy: from 1.8w
-  Low Noise Level



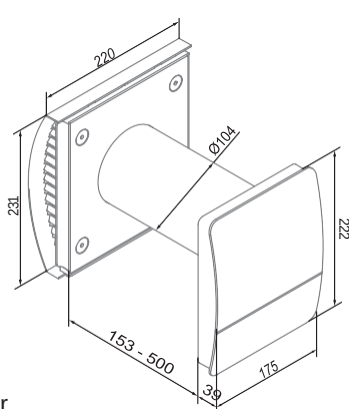
Technical Data

Parameters	Vento Mini-Air		
Speed	I	II	III
Voltage - (V) 50 (60) Hz	100–230		
Power - Watts (W)	1.8	2.99	4.4
Current - Amps (A)	0.027	0.037	0.051
Speed - RPM	1600	2200	2500
Intermittent Extractor Fan Mode - IEF			
Maximum Airflow litres per second (l/s)	3	6	8
Minimum Specific Fan Power SFP - (w/l/s)	0.6	0.49	0.55
Positive Input Ventilation Mode - PIV			
Maximum Airflow litres per second (l/s)	3	6	8
Minimum Specific Fan Power SFP - (w/l/s)	0.6	0.49	0.55
Decentralised Heat Recovery Ventilation Mode - dMVHR			
Maximum Airflow litres per second (l/s)	1	3	4
Minimum Specific Fan Power SFP - (w/l/s)	1.8	0.99	1.1
Decentralised Mechanical Extract Ventilation Mode - dMEV			
Maximum Airflow litres per second (l/s)	3	6	8
Minimum Specific Fan Power SFP - (w/l/s)	0.6	0.49	0.55
Filter	G3		
Transported air temperature - (°C)	-15 - +40		
Sound pressure level at 3 m - (dBA)	21	38	31
Heat recovery thermal efficiency - (%)	up to 85		
Ingress protection rating - (IP)	24		

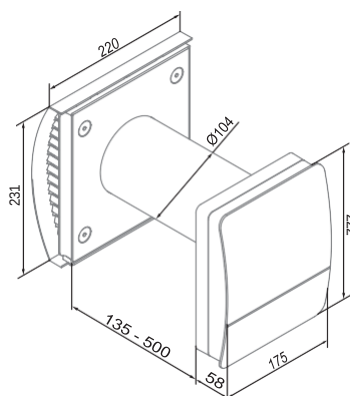




Dimensions



Vento Mini-Air



Vento Mini-Air
(with a mounting frame for thin walls)

Vento Duo-Air | Designed for Toilets, Bathrooms and Wet Rooms

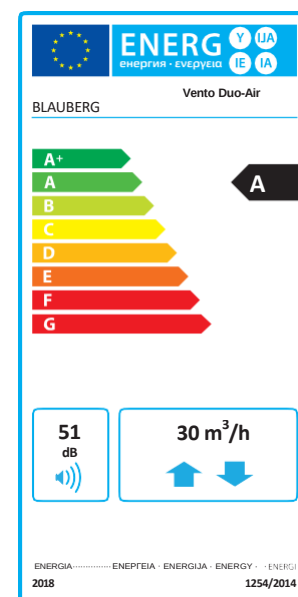


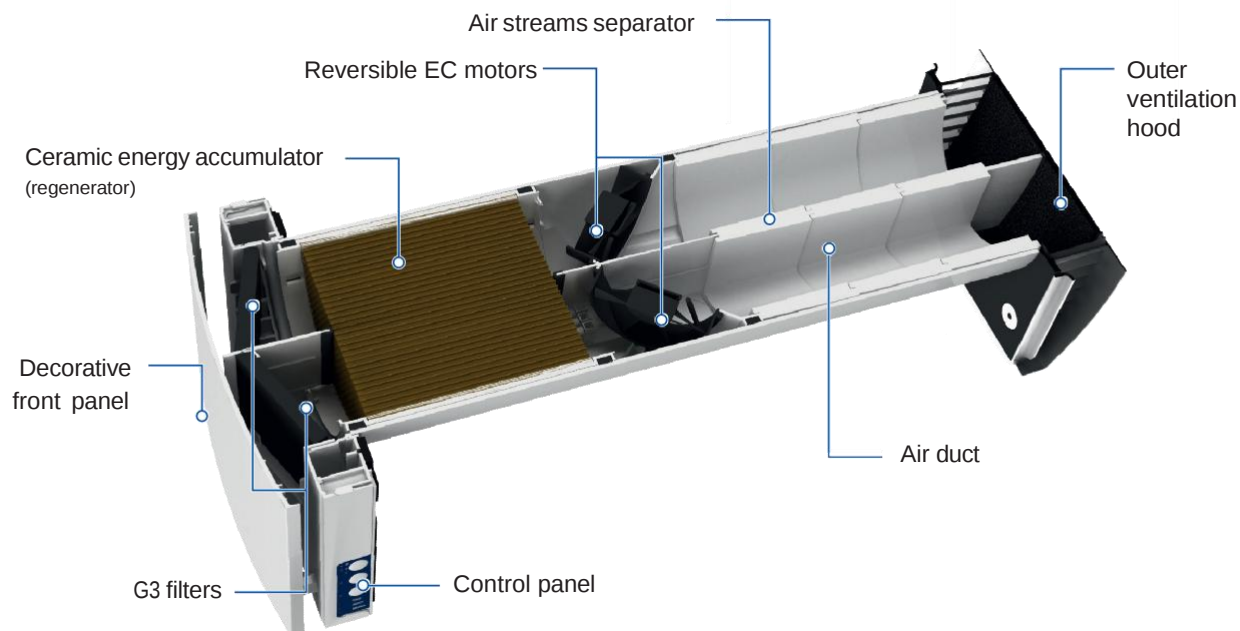
-  Bedrooms and Quiet Rooms
-  Airflow rate up to 16 l/s
-  Up to 85% heat recovery
-  Low energy: from 2.1w
-  Low Noise Level



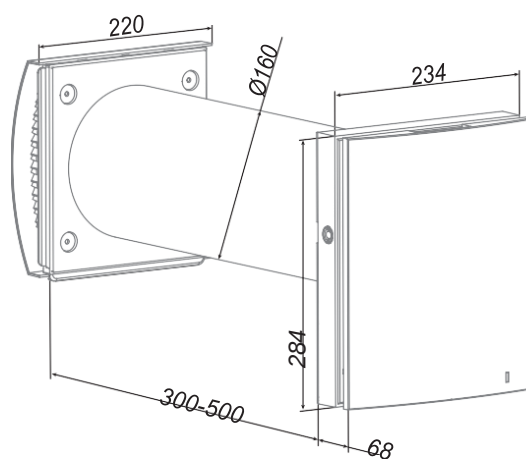
Technical Data

Parameters	Vento Duo-Air		
Speed	I	II	III
Voltage - (V) 50 (60) Hz	100–230		
Power - Watts (W)	2.17	3.66	6.62
Current - Amps (A)	0.026	0.039	0.066
Speed - RPM	1600	2200	2500
Intermittent Extractor Fan Mode - IEF			
Maximum Airflow litres per second (l/s)	3	6	8
Minimum Specific Fan Power SFP - (w/l/s)	0.72	0.61	0.83
Positive Input Ventilation Mode - PIV			
Maximum Airflow litres per second (l/s)	3	6	8
Minimum Specific Fan Power SFP - (w/l/s)	1.11	0.65	0.49
Decentralised Heat Recovery Ventilation Mode - dMVHR			
Maximum Airflow litres per second (l/s)	16		
Minimum Specific Fan Power SFP - (w/l/s)	0.41		
Decentralised Mechanical Extract Ventilation Mode - dMEV			
Maximum Airflow litres per second (l/s)	3	6	8
Minimum Specific Fan Power SFP - (w/l/s)	1.11	0.65	0.49
Filter	G3		
Transported air temperature - (°C)	-15 - +40		
Sound pressure level at 3 m - (dBA)	24	31	34
Heat recovery thermal efficiency - (%)	up to 85		
Ingress protection rating - (IP)	24		





Dimensions



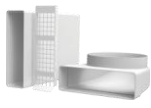
Vento Duo-Air

Accessories

Name		Description
FP Vento Expert Duo A30 G3		G3 filters (2 pcs.).
AH-10 *colour* 160 Duo	 Available colours:      	Plastic outer ventilation hood.
AH-10 chrome 160 Duo		Plastic outer ventilation hood with a plate and a brushed stainless steel effect finish.
AH-5 white 160 Duo		Stainless steel ventilation hood, painted white.
AH-5 chrome 160 Duo		Brushed stainless steel ventilation hood.
PP 160/0.5		Outer ventilation hood for mounting from inside.
R 160-500		500mm air duct and polystyrene foam plug.
R 160-700		700mm air duct and polystyrene foam plug.
LST Vento Expert Duo		Air stream separator.
SE Vento Expert W		Sensor control panel.
FB Vento Expert A50		Remote control.
CD-1		CO ² sensor with LED CO ² indication and a sensor button for operation mode selection.
CD-2		CO ² sensor.
S Vento Expert A30		Cardboard template for indoor installation of the unit.

Vento Mini-Air

Accessories

Name		Description
Pre-installation Kit Vento Expert A30 S10		Pre-installation kit for mounting into a wall with standard thickness. Includes: • Air duct. • AH-10 white 100 outer ventilation hood. • Plastic foam plug. • Plastic foam wedges.
Completion Kit Vento Expert A30 W V.2		Final mounting kit. Includes: • Cartridge with a heat regenerator, a fan and G3 filters. • Indoor unit with a controller and air damper.
FP3 Vento G3		G3 filters (2 pcs.)
AH-10 *colour* 100	 Available colours:      	Plastic outer ventilation hood. Available colours:
AH-10 chrome 100		Plastic outer ventilation hood with a plate and a brushed stainless steel effect finish.
KIT BlauPlast white 100		Kit for angular mounting with white colour grille (for walls with standard thickness).
KIT BlauPlast chrome 100		Kit for angular mounting with stainless steel outer grille (for walls with standard thickness).
BlauPlast RTR 100/0.35-0.5		Telescopic air duct with the diameter of 100mm and adjustable length from 350 to 500mm.
BlauPlast RTR 100/0.5-1		Telescopic air duct with the diameter of 100mm and adjustable length from 500 to 1000mm.
SE Vento Expert W		Sensor control panel.
CD-1		CO2 sensor with LED CO2 indication and a sensor button for operation mode selection.
CD-2		CO2 sensor.
S Vento Expert A30		Cardboard template for indoor installation of the unit.

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