

# High quality air in every room High comfort levels every day

Decentralised compact units for well distributed fresh air



A relaxed start to the day depends on a restful night's sleep. Since having a ventilation unit installed, we've been sleeping better than ever. It means we have fresh air in the room without having to have the window open – so we don't lose any heat. We could happily stay here all day!

Comfort through technology





# The relaxed route to fresh air

Moisture accumulates in every building, even in your own home. Make sure that it doesn't diminish your living comfort. The easiest way to do this is with a fully automatic ventilation unit. It takes on the important task of air exchange, protecting your health and the fabric of the building. For you, that means convenient ventilation without having to open the windows.

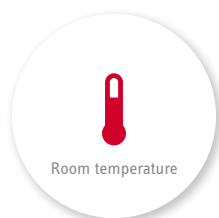
## Enjoy healthy air fully automatically

Fully automatic ventilation takes the current air humidity in the house into account and automatically adjusts the supply of fresh air accordingly. A helpful extra function is heat recovery, which can be as high as 90%. In addition, ventilation units are also fitted with special filters which keep pollen and dust outside – so people with allergies can breathe a sigh of relief.

## Good reasons to enjoy your home comforts

- › Building fabric protection and fungal mould prevention
- › Hygienic indoor air quality assured
- › Beneficial for allergy sufferers due to good air filtering

## Four components for good indoor air



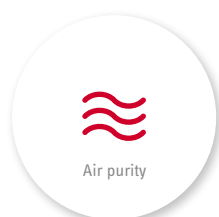
Room temperature

Generally, temperatures between 19 and 23 °C are felt to be comfortable in a house or apartment.



Humidity

In our homes, optimum humidity lies between 40 and 50%. In heated rooms this should not sink below 30% or rise above 60%.



Air purity

For a feeling of wellbeing, the CO<sub>2</sub> content of the air should be as low as possible. Depending on the time of year and the location, fresh outdoor air generally contains around 300 to 400 ppm.



Air movement

For the movement of air within a living space to be perceived as pleasant, its speed should be between 0.1 and 0.15 m/s.

# Make the best choice for all your plans

You might not notice the stale air in your home, but it can still make you feel lethargic and sluggish, and even impact your health. It is important to make sure that you have a regular supply of fresh air. Our decentralised ventilation units, which are easy to install, offer a convenient solution that takes on the task for you in a fully automatic process. They also extract the heat from the extract air and feed it back in with the fresh air. Our extractors are particularly suitable for bathrooms and kitchens, where humidity levels can often be very high. Our solutions give you the best climate – whatever your living situation.

## Decentralised ventilation units

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### Model

Apartments | detached houses

Living space | kitchen, bathroom, WC

Installation location

Wall outlet

Flush-mounted version

Surface-mounted version

Heat recovery

Automatic demand-dependent ventilation

Accessories available for even better air quality

Product class Premium/Plus/Trend

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<sup>1)</sup>With additional accessories such as humidity or CO<sub>2</sub> sensor.



## Decentralised extractors



**Page 06**  
**VLR 70 S/L**

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- External wall
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**Page 08**  
**LA 100**

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- Windowless rooms
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# Experience a strong performance in an inconspicuous design

Decentralised ventilation unit VLR 70 S/L Trend

This decentralised ventilation unit supplies fresh air to up to 100 m<sup>2</sup> of living space. Virtually no heat is lost, as it is fed back into the room with the outdoor air supply. This can help to reduce heating energy losses by as much as 92 %.

#### Keep pollutants out

Dirt and pollen don't stand a chance of finding their way into your home through this ventilation unit. Particularly good filter performance is achieved due to filters on both the inside and outside of the unit. As a result, people with allergies can breathe a sigh of relief as well.

#### What convinces this product

- › Decentralised ventilation unit for rooms with external walls
- › Very easy to clean thanks to the aluminium surface of the heat exchanger
- › Can provide intensive ventilation with low noise emissions
- › High air quality, plus long service life through the use of two filters per fan
- › Fitted with a fine dust/pollen filter making it ideal for allergy sufferers
- › Moisture recovery of up to 60 %
- › Control up to 8 units with the user interface



Heat recovery

# Turn every space into an oasis of fresh air

Surface-mounted fan unit LA 100



This fan unit is highly attuned to stale air. To be precise, the appliance is equipped with a sensor. It determines when the room needs ventilating. Humidity and the prevailing temperature also influence the exchange of air.

#### **Bringing flexibility to air exchange**

For extra convenience, all models are equipped with switch-on delay and run-on time functions, and can also be extended with a humidity sensor. These allow you to define when air exchange should start and stop. This is a useful feature for when you need to leave home shortly after showering or cooking. When you return, air with just the right humidity will be waiting to greet you.

#### **What convinces this product**

- › Decentralised extractor for rooms with and without windows
- › For use in traditional extract air areas, such as the bathroom, kitchen and WC
- › Modernisation solution that is easy to install
- › Ideal for combination with our decentralised ventilation unit
- › Energy efficient EC fan for low noise pollution at high air flow rates



## Decentralised ventilation unit product comparison

		<b>VLR 70 S Trend EN</b>	<b>VLR 70 L Trend EN</b>	<b>VLR 70 L Trend EU</b>
<b>Part number</b>		<b>200002</b>	<b>201458</b>	<b>203133</b>
Power consumption	W	2-12	2-12	2-12
Sound power level LW total relative to air flow rate	dB(A)	35 (at 20 m <sup>3</sup> /h)	35 (at 20 m <sup>3</sup> /h)	36 (at 20 m <sup>3</sup> /h)
Height	mm	285	285	285
Width	mm	360	360	360
Depth	mm	590	780	780
Weight	kg	5.20	5.20	5.20
Air flow rate	m <sup>3</sup> /h	20/30/40/49/70	20/30/40/49/70	20/30/40/49/70
Rated voltage	V	24	24	24
Type of ventilation		decentralised supply and extract air	decentralised supply and extract air	decentralised supply and extract air
Heat recovery level up to	%	92	92	89
Ventilation unit type				RVU, bidirectional
Product class Premium/Plus/Trend		■/-/-	■/-/-	■/-/-

## Decentralised extractor product comparison

		<b>LA 100 A</b>	<b>LA 100 U</b>	<b>LA 100 UB</b>
<b>Part number</b>		<b>205771</b>	<b>205772</b>	<b>205773</b>
Filter class		G3	G3	G3
Height	mm	270	280	255
Width	mm	270	295	255
Depth	mm	136	74	85
Weight	kg	2.30	2.30	2.30
Type of ventilation		Ventilation	Ventilation	Ventilation
Air flow rate max.	m <sup>3</sup> /h	90	100	100
Air flow rates	m <sup>3</sup> /h	20/30/40/50/60/90	20/30/40/50/60/100	20/30/40/50/60/100
Power consumption max.	W	15,3	15,3	15,3
Power consumption at 60 m <sup>3</sup> /h	W	4,5	4,5	4,5
Power consumption at 30 m <sup>3</sup> /h	W	2,2	2,2	2,2
Product class Premium/Plus/Trend		-/■/-	-/■/-	-/■/-

# Sustainable comfort

Electricity is the future. With the development of green technologies, we advocate innovative, environmentally responsible and futureproof building services – so that you can enjoy sustainable comfort at home. As a family business, we act for the future – yours and ours.



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about-stiebel-eltron](http://www.stiebel-eltron.com/about-stiebel-eltron)

Since 1924, STIEBEL ELTRON has been synonymous with reliable solutions for domestic hot water, heating, ventilation and cooling. We maintain a clear focus in the energy debate: electricity, preferably harnessed from renewables, is the energy of the future. That is why we rely on approximately 5000 employees around the world for efficient heating solutions with green technologies.

From the design and manufacture of your appliance through to its maintenance, we systematically apply our expertise, strength of innovation and experience – gained from working with customers with high standards, such as yourself, and from the sale of more than two million appliances each year. We have the right solutions to meet every requirement. Solutions designed to raise the level of convenience in your home today and still be up to date tomorrow.

You can see first hand our commitment to green technology by visiting the Energy Campus at our head office in Holzminden, Germany. This training and communication centre is our flagship project for sustainable and resource-efficient construction. It combines the highest standards of architectural and communication quality. As a PlusEnergy building, it generates more energy than it consumes. Come and experience what our name stands for – in theory and practice.

## Partnership with vision

We are a premium and sustainability partner of the Bundesliga football team Borussia Dortmund. As a heating expert, we are supporting the BVB on its path to a CO<sub>2</sub>-free future.

**STIEBEL ELTRON**



**Sustainability Partner**  
of Borussia Dortmund



For new and interesting information on our products, visit [www.stiebel-eltron.com](http://www.stiebel-eltron.com) or consult your local trade partner.



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Partner**

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