



## SAVE Air Handling Units

**Crisp, fresh, and clean air for every home.**

[Find more details in our online catalogue](#)

### Unlock even greater efficiency

SAVE AHUs come with different heating and cooling recovery methods. Allowing you to further boost the energy efficiency of your units, wherever they're installed.

### Performance you can rely on

Our heat exchanger systems automatically regulates the heat/cool recovery and has automatic defrosting functions. Your SAVE AHUs will keep you comfortable inside, no matter the weather on the outside.

### For buildings big and small

Whether you're building a new home or renovating an apartment block, SAVE air handling units are a perfect match for any indoor spaces up to 550m<sup>2</sup>.



### Health and safety first

SAVE air handling units are Eurovent certified and ErP compliant, easy to service and maintain. So you can relax – knowing the air you breathe is clean and pure.

### Full control, from anywhere

All SAVE units come with SAVE Control – multiple, easy-to-use interfaces that let you communicate with your AHUs wherever you are.

#### Get In Touch

 **Call:** 0845 6880112  
 **Email:** [info@adremit.co.uk](mailto:info@adremit.co.uk)

#### Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,  
 Settle, North Yorkshire, BD24 9RH



## Certifications



### Eurovent Certified Performance

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## Technical parameters

Unit		
Frequency	50; 60	Hz
Voltage (nominal)	230	V
Phases	1~	
Recommended fuse	10 A	
Enclosure class	IP24	
Speed regulation	Stepless	
Product type	Heat recovery unit	
Temperature	-20 to 40	°C

### Preheater / Reheater

Input power, reheater	0.5	kW
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### Supply fan

Input power (P1), supply fan	83	W
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### Supply air filter

Filter class, supply air	ePM1 60%	
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### Extract air filter

Filter class, extract air	ePM10 50%	
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### Exchanger

Heat exchanger rotor drive type	Variable speed	
Heat exchanger	Rotating	

### Return fan / Extract fan

Input power (P1), extract fan	83	W
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### Others

Fan control	Stepless voltage control	
Installation type	Vertical	
Supply side	Right	

### Color casing

Color casing	Galvanized steel	
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**Dimensions and weights**

Weight 46 kg

**ERP**

Energy class, Basic unit B

Energy class, Local demand A

ErP ready ErP 2016; ErP 2018

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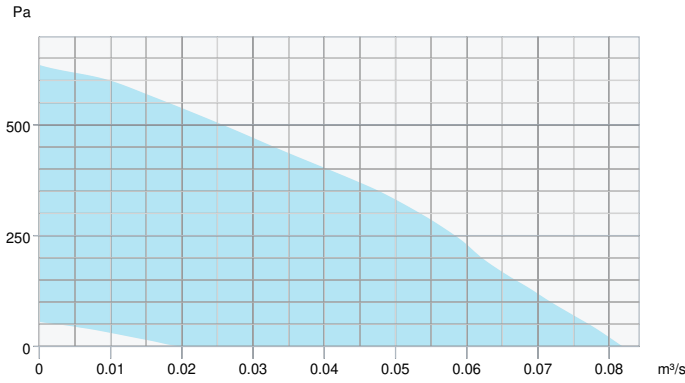


## Performance

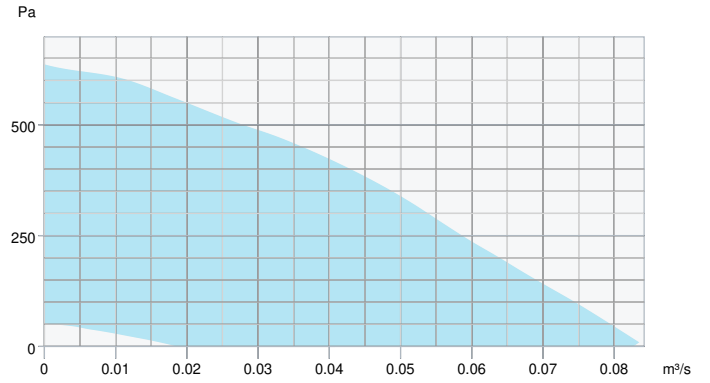
Recommended low airflow is outside valid range

Recommended high airflow is outside valid range

### Supply - Performance curve



### Extract - Performance curve



Unit	Supply	Extract
Air density	1.204 kg/m <sup>3</sup>	
		<b>Summer</b> <b>Winter</b>
Supply air temperature		- -20.0 °C
<b>Sound pressure level (reverberant field)</b>		<b>Total</b>

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## Ecodesign

Product	
Trade name	Systemair
Product name	SAVE VTR 150/B R 500W
Basic unit	
ErP compliance	2018
SEC Average	-32.2 kWh/(m <sup>2</sup> .a)
SEC Cold	-72.8 kWh/(m <sup>2</sup> .a)
SEC Warm	-8.9 kWh/(m <sup>2</sup> .a)
SEC Class	B
Unit category	RVU
Unit type	BVU
Drive	Integrated VSD
Heat recovery type	Regenerative
Temperature ratio	76 %
qv max	258 m <sup>3</sup> /h
P max	176 W
Sound power (LWA)	41 dB(A)
qv ref	0.0503 m <sup>3</sup> /s
Ps ref	50 Pa
SPI	0.456 W/(m <sup>3</sup> /h)
CTRL	0.85
MISC	1.1
x-value	2
External Leakage	3 %
Internal Leakage	Not applicable
Carry over	4 %
Type of product	RAHU/AARE
AEC average	413 kWh/a
AEC cold	413 kWh/a
AEC warm	413 kWh/a
AHS Average	4,251 kWh/a
AHS Cold	8,315 kWh/a
AHS Warm	1,992 kWh/a

Article name: SAVE VTR 150/B R 500W | Product link: <https://shop.systemair.com/en-GB/productPermalink?p=609895> | Item Number: 488820 | Variant: Pleated Filters Standard kit | Document type: Product card | Created at: 25.10.2024 | Generated by: Systemair Online Catalogue | Language: English

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Units with local demand control		
ErP compliance		2018
SEC Average	-38	kWh/(m <sup>2</sup> .a)
SEC Cold	-80.1	kWh/(m <sup>2</sup> .a)
SEC Warm	-13.9	kWh/(m <sup>2</sup> .a)
SEC Class		A
Unit category		RVU
Unit type		BVU
Drive		Integrated VSD
Heat recovery type		Regenerative
Temperature ratio	76	%
qv max	258	m <sup>3</sup> /h
P max	176	W
Sound power (LWA)	41	dB(A)
qv ref	0.0503	m <sup>3</sup> /s
Ps ref	50	Pa
SPI	0.456	W/(m <sup>3</sup> /h)
CTRL	0.65	
MISC	1.1	
x-value	2	
External Leakage	3	%
Internal Leakage		Not applicable
Carry over	4	%
Type of product		RAHU/AARE
AEC average	241	kWh/a
AEC cold	241	kWh/a
AEC warm	241	kWh/a
AHS Average	4,404	kWh/a
AHS Cold	8,614	kWh/a
AHS Warm	1,991	kWh/a

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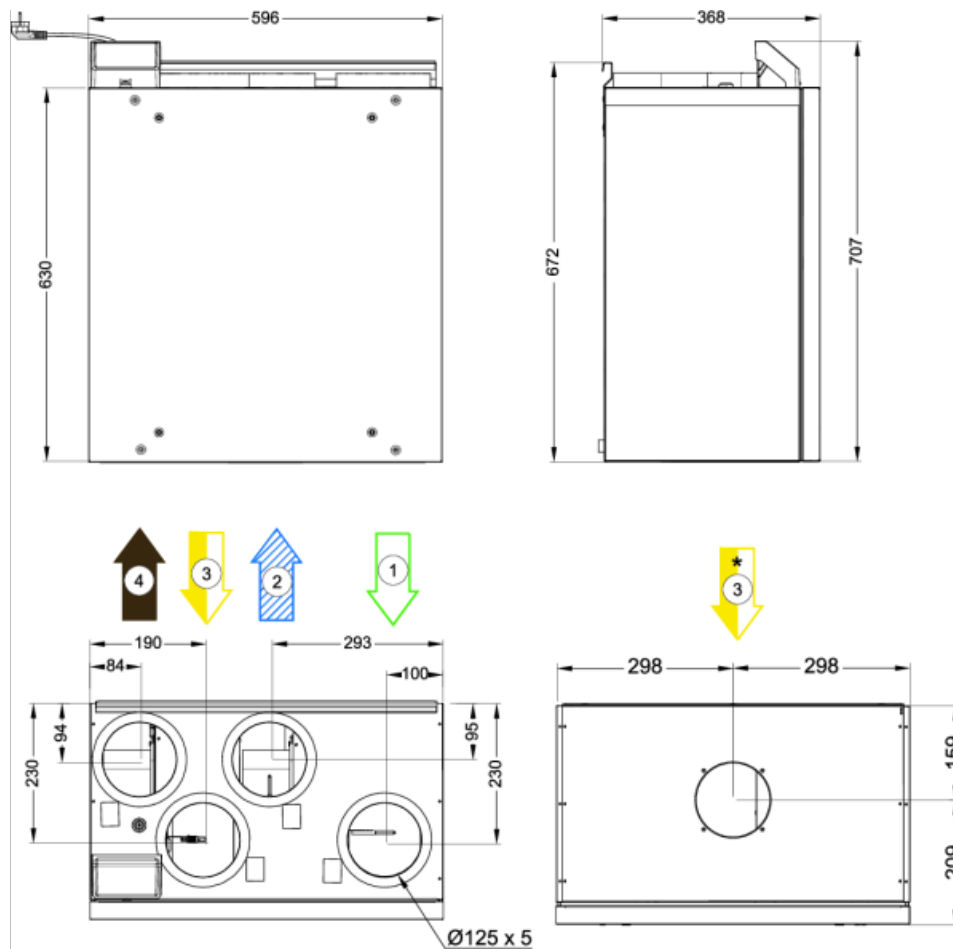
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## Dimension



\* Connection for cooker hood

- 1 Outdoor air
- 2 Supply air
- 3 Extract air
- 4 Exhaust air

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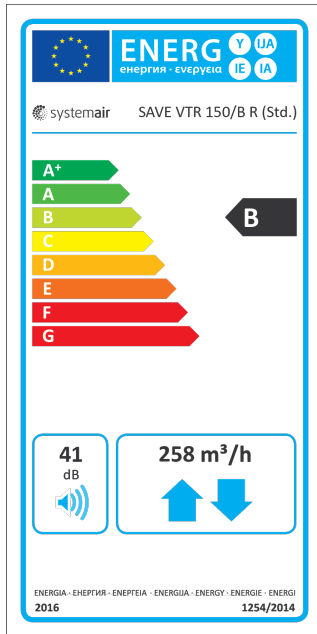
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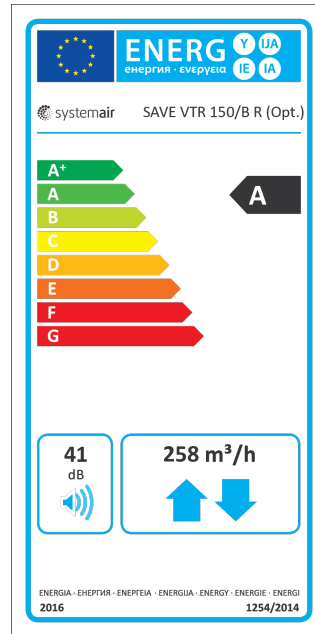


### Energy class label

#### Energy class, Basic unit



#### Energy class, Local demand



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## Accessories

- SAVE CONNECT 2.0 (399999)
- SAVE LIGHT White (319118)
- SAVE TOUCH White (138077)
- Duct cover SS VTR 150 (19567)
- Presence detector/IR24-P (6995)
- PSS20 Transformer 24V (202692)
- RMK-T (153548)
- Systemair-E CO2 RH Temperature (211522)
- VAV/CAV conversion kit (140777)
- CB 125-0,6 230V/1 Duct heater (5289)
- CB 125-1,8 230V/1 Duct heater (5377)
- CEC Cable w/plug 15m (306594)
- CWK 125-3-2,5 Duct cooler,circ (30021)
- FK 125 Fast clamp (1608)
- LDC 125-900 Silencer (5191)
- VBC 125-2 Water heating batt (5457)
- CVVX 125 Combi grille, black (26421)
- MONOLIT - B S.Steel (326801)
- Room sensor 0-50C (211525)
- SPI-125 C Iris damper (6751)
- TUNE-R-125-3-M2 (311948)
- TUNE-R-125-3-M5 (311978)
- ZTR 15-0,4 valve 3-way (9670)
- ZTV 15-0,4 2-way valve (9829)
- SAVE LIGHT Black (319119)
- SAVE TOUCH Black (138078)
- CB heater connection kit 1 ~ (142852)
- Duct cover W VTR 150/B (319090)
- Pressure guard with pitot tube (212987)
- RMK (153549)
- SAVE Wall Mounted Kit (140736)
- Systemair-E CO2 sensor (14904)
- VBC 125-3 Water heating batt (9839)
- CB 125-1,2 230V/1 Duct heater (5290)
- CEC Cable w/plug 12m (24782)
- CEC Cable w/plug 6m (24783)
- Duct sensor -30-70C (211524)
- LDC 125-600 Silencer (5190)
- Surface sensor -30-150C (211523)
- 392-10/B Slimline White (77265)
- CVVX 125 Combi grille, white (26422)
- MONOLIT - B White (326800)
- RVAZ4 24A Actuator 0-10V (9862)
- TUNE-R-125-3-M1 (311938)
- TUNE-R-125-3-M4 (311968)
- USB-Nano-485 (282047)
- ZTR 15-0,6 valve 3-way (6573)
- ZTV 15-0,6 2-way valve (6571)

## Documents

- Control panel installation quick guide
- Energy label placement quick guide
- Installation manual
- Installation manual SAVE CONNECT 2.0
- Modbus variable list
- Service and Accessories installation manual
- SYSTEMAIR\_SAVE\_VTR\_150B\_DISASSEMBLY\_GUIDE\_EN\_SE\_DE\_NO\_FI\_20181207.PDF
- User manual
- Eurovent Certification Diploma
- Commissioning record
- Technical fiche
- Schematic layout and description of components
- UK Declaration of Conformity
- Electrical diagrams for accessories
- Wiring diagram

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