



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 550m².



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

Our Address

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



Certifications



Passive House Institute Certified Component



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	-15 to 40 °C
Supply fan	
Input power (P1), supply fan	170 W
Supply air filter	
Filter class, supply air	ePM1 60%
Extract air filter	
Filter class, extract air	ePM10 50%
Exchanger	
Heat exchanger	Counter flow
Heat exchanger type	Standard
Return fan / Extract fan	
Input power (P1), extract fan	170 W
Others	
Fan control	Stepless voltage control
Installation type	Vertical
Supply side	Left
Color casing	
Color casing	White
Color casing, RAL	RAL 9010
Dimensions and weights	
Weight	79 kg

Article name: SAVE VTC 500 L | Product link: <https://shop.systemair.com/en-GB/productPermalink?p=609979> | Item Number: 488843 | Variant: Pleated Filters Standard kit | Document type: Product card | Created at: 11.11.2024 | Generated by: Systemair Online Catalogue | Language: English

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ERP	
Energy class, Basic unit	A
Energy class, Local demand	A
ErP ready	ErP 2018; ErP 2016

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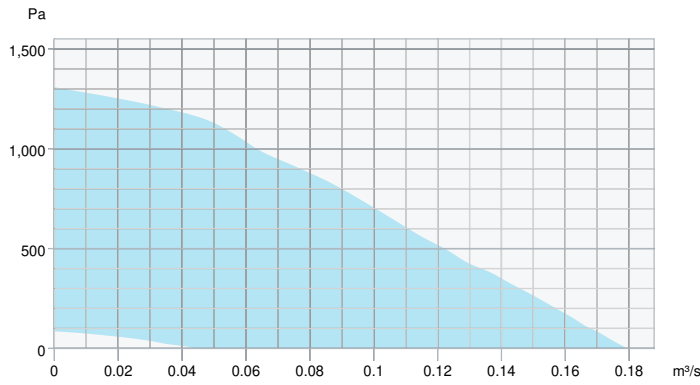


Performance

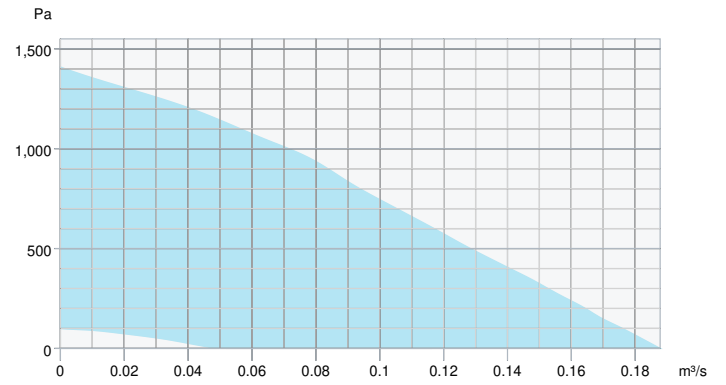
Recommended low airflow is outside valid range

Recommended high airflow is outside valid range

Supply - Performance curve



Extract - Performance curve



Unit	Supply	Extract				
Air density	1.204 kg/m³					
Supply air temperature		<table border="1"> <thead> <tr> <th>Summer</th> <th>Winter</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-20.0 °C</td> </tr> </tbody> </table>	Summer	Winter	-	-20.0 °C
Summer	Winter					
-	-20.0 °C					
Sound pressure level (reverberant field)	Total					

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Ecodesign

Product	
Trade name	Systemair
Product name	SAVE VTC 500 L
Basic unit	
ErP compliance	2018
SEC Average	-36.4 kWh/(m ² .a)
SEC Cold	-79.2 kWh/(m ² .a)
SEC Warm	-12 kWh/(m ² .a)
SEC Class	A
Unit category	RVU
Unit type	BVU
Drive	Integrated VSD
Heat recovery type	Recuperative
Temperature ratio	84 %
qv max	602 m ³ /h
P max	329 W
Sound power (LWA)	44 dB(A)
qv ref	0.117 m ³ /s
Ps ref	50 Pa
SPI	0.344 W/(m ³ /h)
CTRL	0.85
MISC	1.1
x-value	2
External Leakage	3 %
Internal Leakage	3 %
Type of product	RAHU/AAHE
AEC average	356 kWh/a
AEC cold	894 kWh/a
AEC warm	311 kWh/a
AHS Average	4,467 kWh/a
AHS Cold	8,739 kWh/a
AHS Warm	2,020 kWh/a

Article name: SAVE VTC 500 L | Product link: <https://shop.systemair.com/en-GB/productPermalink?p=609979> | Item Number: 488843 | Variant: Pleated Filters Standard kit | Document type: Product card | Created at: 11.11.2024 | Generated by: Systemair Online Catalogue | Language: English

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Units with local demand control		
ErP compliance		2018
SEC Average	-40.7	kWh/(m ² .a)
SEC Cold	-84.4	kWh/(m ² .a)
SEC Warm	-15.7	kWh/(m ² .a)
SEC Class		A
Unit category		RVU
Unit type		BVU
Drive		Integrated VSD
Heat recovery type		Recuperative
Temperature ratio	84	%
qv max	602	m ³ /h
P max	329	W
Sound power (LWA)	44	dB(A)
qv ref	0.117	m ³ /s
Ps ref	50	Pa
SPI	0.344	W/(m ³ /h)
CTRL	0.65	
MISC	1.1	
x-value	2	
External Leakage	3	%
Internal Leakage	3	%
Type of product		RAHU/AAHE
AEC average	227	kWh/a
AEC cold	765	kWh/a
AEC warm	182	kWh/a
AHS Average	4,569	kWh/a
AHS Cold	8,938	kWh/a
AHS Warm	2,066	kWh/a

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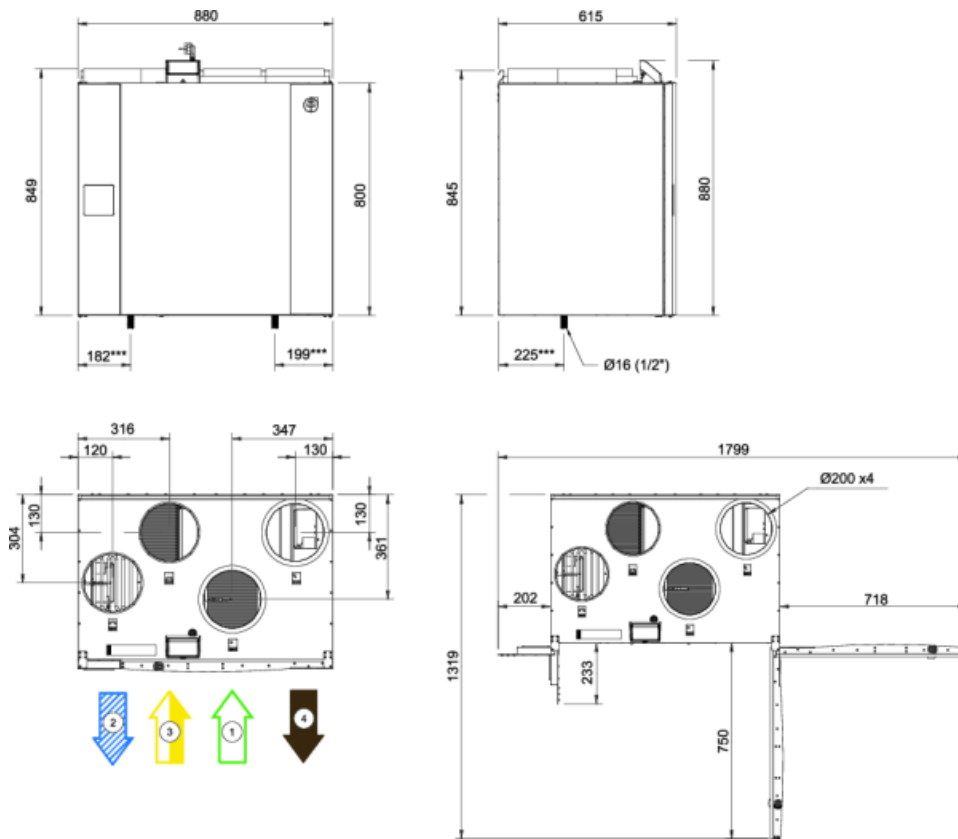
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Dimension



*** Drainage connection

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

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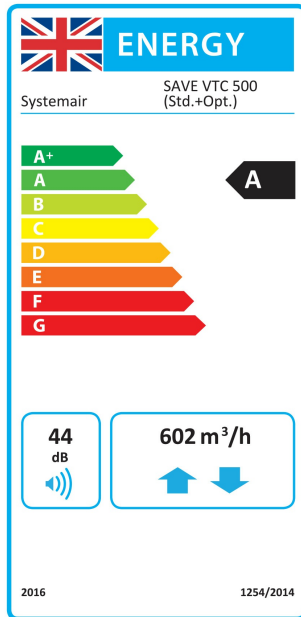
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Energy class label

Energy class, Basic unit



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Accessories

- SAVE CONNECT 2.0 (399999)
- SAVE LIGHT White (319118)
- SAVE TOUCH White (138077)
- CB heater connection kit 1 ~ (142852)
- Pressure guard with pitot tube (212987)
- Re-heater VTC 500 L 1670W (158109)
- RMK-T (153548)
- Systemair-E CO2 RH Temperature (211522)
- VAV/CAV conversion kit (140777)
- CB 200-3,0 230V/1 Duct heater (5370)
- CEC Cable w/plug 15m (306594)
- CWK 200-3-2,5 Duct cooler,circ (30023)
- FK 200 Fast clamp (1611)
- LDC 200-900 Silencer (5195)
- VBC 200-2 Water heating batt (5459)
- CVVX 200 Combi grille, black (25395)
- Room sensor 0-50C (211525)
- SCD 200 silencer 25mm insulat. (2560)
- TUNE-R-200-3-M1 (311940)
- TUNE-R-200-3-M4 (311970)
- USB-Nano-485 (282047)
- ZTR 15-1,0 valve 3-way (9672)
- ZTV 15-1,0 2-way valve (9823)
- SAVE LIGHT Black (319119)
- SAVE TOUCH Black (138078)
- CAV kit (161100)
- Presence detector/IR24-P (6995)
- PSS20 Transformer 24V (202692)
- RMK (153549)
- SAVE Wall Mounted Kit (140736)
- Systemair-E CO2 sensor (14904)
- CB 200-2,1 230V/1 Duct heater (5384)
- CEC Cable w/plug 12m (24782)
- CEC Cable w/plug 6m (24783)
- Duct sensor -30-70C (211524)
- LDC 200-600 Silencer (5194)
- Surface sensor -30-150C (211523)
- VBC 200-3 Water heating batt (9841)
- CVVX 200 Combi grille, white (25397)
- RVAZ4 24A Actuator 0-10V (9862)
- SPI-200 C Iris damper (6754)
- TUNE-R-200-3-M2 (311950)
- TUNE-R-200-3-M5 (311980)
- 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 SAVE CONNECT 2.0
- Installation Operation and Maintenance manual
- Modbus variable list
- Service manual
- Certificate Passive House Institute - SAVE VTC 500
- 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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