SAVE VTR 500 R

Item no. 88500

Version: Filter F7/ePM2,5 70% - G3/Coarse 50%; Filter(s) included with the unit

Description

• High efficiency rotary heat exchanger with EC- variable speed rotor motor
• Energy efficient RadiCal-fans, with EC-technology enables very low SFP and low sound
• Moisture transfer function to minimize condensation to supply air in wintertime is available
• Demand control regulation as standard by the built-in humidity sensor in extract air
• SAVE Touch control with a capacitive color touch screen for easy use and commissioning
• Connection box outside of unit for easy installation
• Modbus communication via RS-485 as standard
• Internet communication over the Systemair cloud (IAM) is available as accessory

Heat recovery unit designed for ventilated areas up to approximately 400 m^2.
Left and right handed models are available.

SAVE VTR 500 is a unit with white painted double skinned panels and comes with complete control functions. The unit is equipped with a high efficiency variable speed rotating heat exchanger and a moisture transfer function that regulates the rotation speed of the rotor due temperature and moisture transfer back to supply air. Energy efficient fans with EC motors as well as low pressure filters reduces the energy consumptions and gives low SFP factor (Specific Fan Power) and low sound. The built in humidity sensor in extract air can be used for demand control.

All settings and features are available from the SAVE Touch control panel that is integrated in the front door. The panel is a color touch screen with a user friendly interface. The option for connecting one or more external control panels is available. Also control panel has separate user level for authorized installers and service personnel.

The homepage of the control panel shows information such as airflow, temperature, air quality and active functions. You can select between MANUAL and AUTO mode or choose preferred settings from the pre-configured user modes.

SAVE Touch AUTO mode has many functions available that regulate the airflow according to CO_2, presence, humidity, schedule etc. The demand function control gives effective and economical operation to ensure best indoor air quality. Alarm symbols will indicate possible malfunctions and issues direct alerts if anything needs to be rectified.

The unit comes with built-in electric reheater.
The unit is provided with a connection board that has prewired inputs and outputs for easy installation and setup of external sensors as well as for external heaters / coolers.
The unit is delivered with low pressure bag filters:

- Supply air filter F7/ePM2,5 70%
- Extract air filter G3/Coarse 50%

Low pressure bag filter G3/Coarse 60% is available as an accessory for supply air filtering.
Passive House Institute (PHI) approved filters (F7/ePM10 80% supply and M5/Coarse 70% extract) for Passive House function are available as an accessory.

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Technical parameters

Unit		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Weight	85	kg
Recommended fuse	13	A
Enclosure class	IP24	
Color casing	RAL9010	

Heat exchanger	
Rotor drive	Variable speed
Exchanger type	Rotating heat exchanger

Heater		
Input power, electrical heating battery	1,67	kW
Heating type	Electric	

Supply fan		
Input power (P1)	170	W

Extract fan		
Input power (P1)	170	W

Supply filter	
Filter, supply air	ePM2,5 70%

Extract filter	
Filter, extract air	Coarse 50%

Others	
Mounting type	Vertical units
Supply side	Right

ErP	
Energy class, basic unit	A
Energy class, basic unit option	A
ErP ready	ErP 2016/ErP 2018

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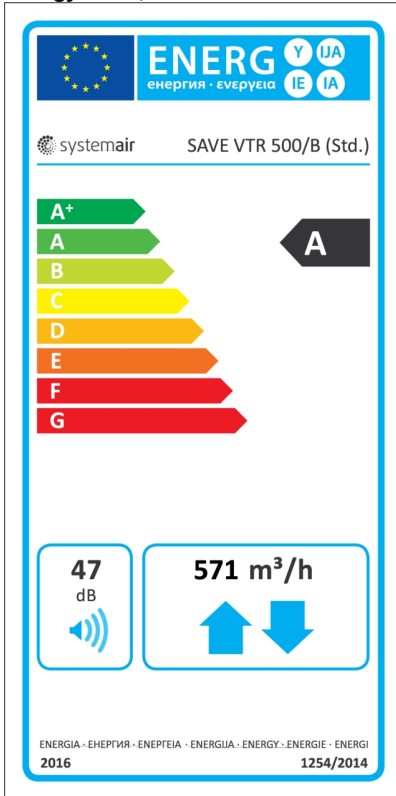
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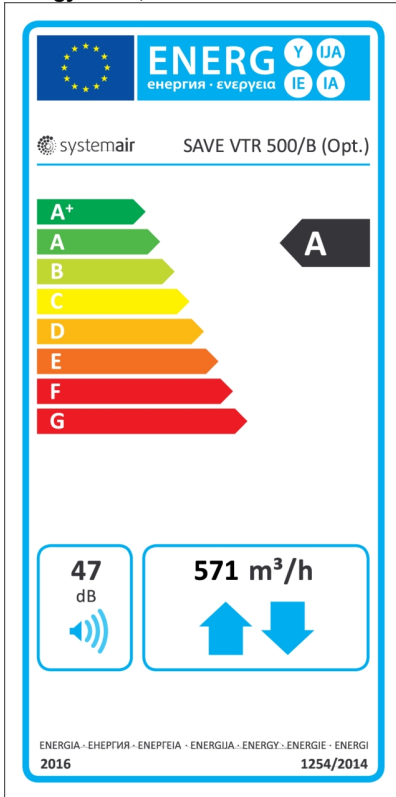
Email: info@adremit.co.uk

Our Address

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

Energy class label

Energy class, basic unit

Energy class, unit with local demand control

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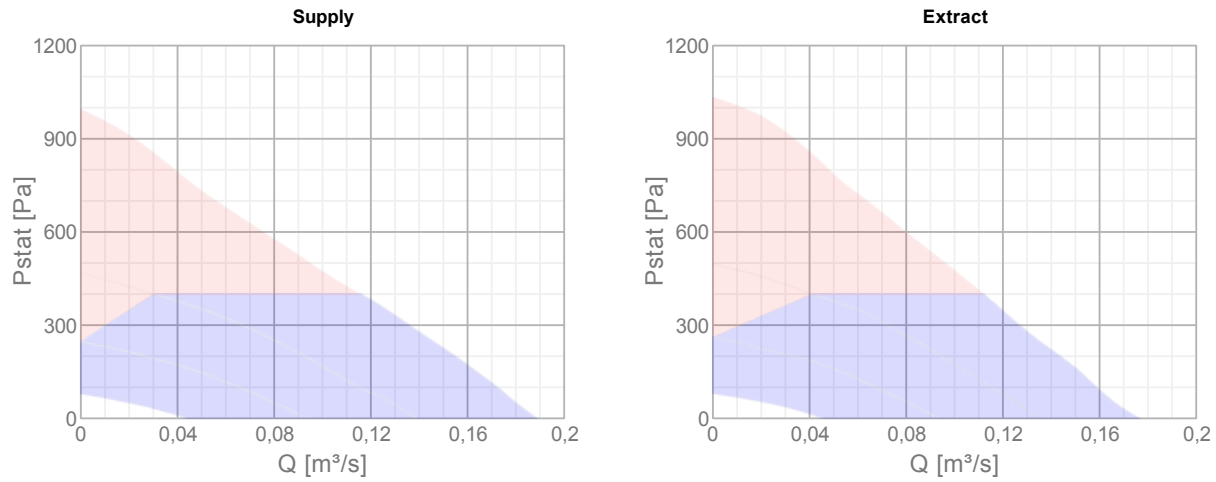
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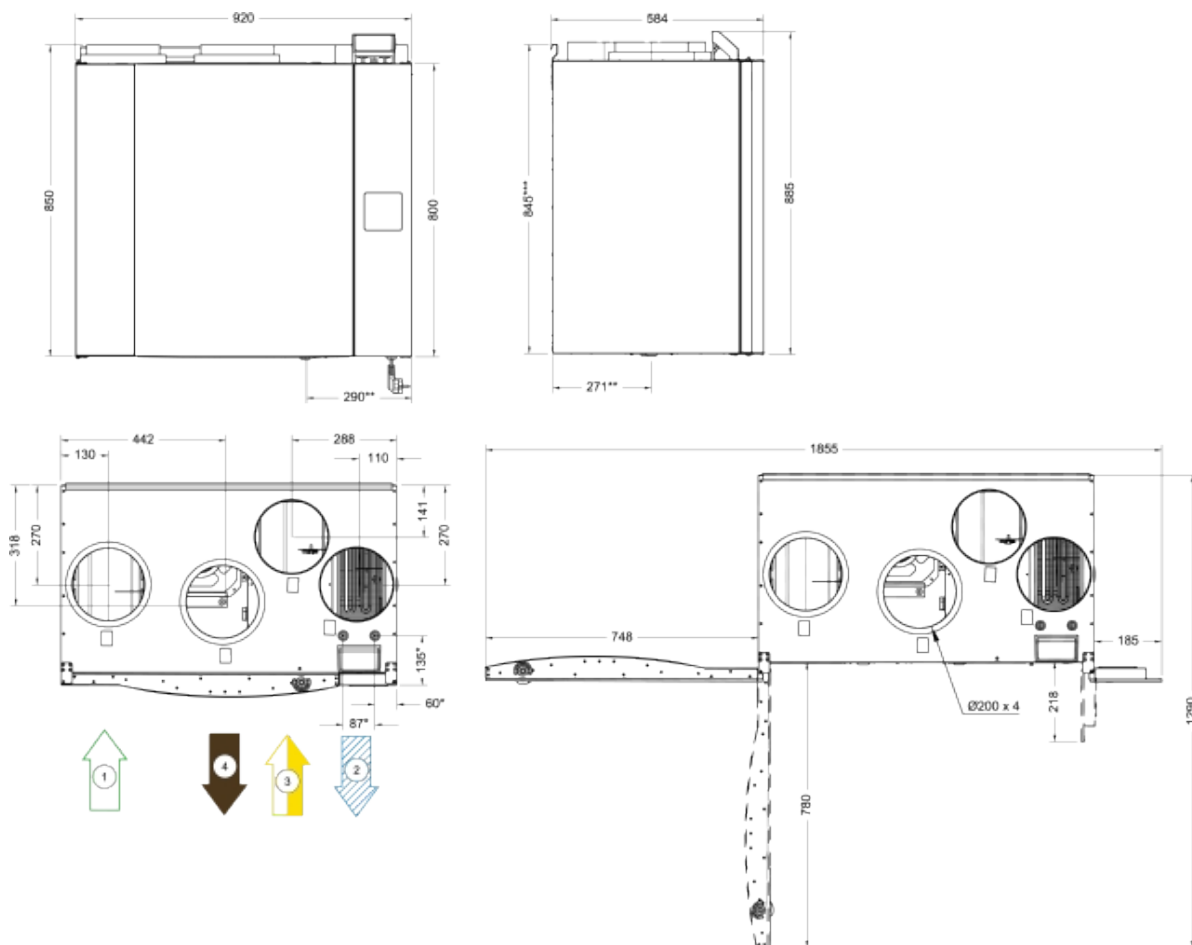Puravent, Adremit Limited, Unit 5a, Commercial Yard, Settle, North Yorkshire, BD24 9RH

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Diagrams

Diagrams

Diagrams and calculations are made for the performance with clean filters.

Supply

Extract

Dimensions

* Water coil
** Drainage
*** Height with mounting bracket

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

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Accessories

Electric accessories

CB 200-2,1 230V/1 Duct heater (5384)
Presence detector/IR24-P (6995)
PSS48 Transformer 24V (204385)
RVAZ4 24A Actuator 0-10V (9862)
Push button, impulse (9693)
Systemair-E CO2 sensor (14904)
Systemair-1 CO2 duct sensor (14906)
CEC Cable w/plug 6m (24783)
CEC Cable w/plug 12m (24782)
CE/CD-diverting plug 4pin (37367)
TUNE-R-200-3-M4 (311970)
TUNE-R-200-3-M5 (311980)
SAVE Touch White SPR (138077)
SAVE Touch Black SPR (138078)
VAV/CAV conversion kit (140777)
Internet access module (IAM) (211243)
Systemair-E CO2 RH Temperature (211522)

Accessories

CWK 200-3-2,5 Duct cooler,circ (30023)
VBC 200-2 Water heating batt (5459)
LDC 200-600 Silencer (5194)
LDC 200-900 Silencer (5195)
FK 200 Fast clamp (1611)
ZTV 15-1,0 2-way valve (9823)
VBC 200-3 Water heating batt (9841)
ZTR 15-1,0 valve 3-way (9672)
Connectduct Ø 200/1,0 M/F (2560)
ZTR 15-0,6 valve 3-way (6573)
ZTV 15-0,6 2-way valve (6571)
BF VTR 500 G3/Coarse 60% Sup (208285)
Duct Cover VTR 500 (124497)
CVVX 200 Combi grille, black (25395)
CVVX 200 Combi grille, white (25397)
SAVE Touch Wall Mounted Kit (140736)

Documentation

211578 Control panel mounting instr A003.pdf (378,62kB)

211564 SAVE_VTR_500_User manual_EN_SE_DE_FI_20190415_sw1.8.0.pdf (3,88MB)

211577 Energy label placement SAVE A002.pdf (714,54kB)

SAVE Modbus Variable List 20190116 (Rev. 29).pdf (1,19MB)

211563 SAVE_VTR_500_Installation_and_Service_EN_SE_DE_FI_20190415_sw1.8.0.pdf (6,59MB)

Systemair_SAVE_VTR_500_disassembly_guide_EN_SE_DE_NO_FI_20181207.pdf (533,51kB)

211479 SAVE_VTR_250_300_500_Wiring_diagram_EN (A003).pdf (607,81kB)

Eurovent Certification Diploma 20180928.pdf (1,78MB)

SAVE VTR 500 Passive House Certificate 2019.pdf (168,57kB)

Systemair_SAVE_Commissioning_record_EN_20190109.pdf (1,13MB)

88500_SAVE_VTR500_R.dxf (3,35MB)

SAVE Touch_quick_guide_20181211.pdf (568,48kB)

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📄 SAVE VTR 500 Scheme (A001).pdf (796,09kB)

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