

SAVE VTR 150/B L 1000W

Item no. 96155

Version: Filter M5/ePM10 50% + M5/ePM10 50%; Filter(s) included with the unit

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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

SAVE VTR 150/B is adapted for ventilation of smaller houses and apartments with an area of 100 m². Left and right handed models are available.

SAVE VTR 150/B is designed for the use between kitchen cupboards with a custom furniture panel. Multiple options are provided for mounting kitchen furniture panel, either directly on the unit or to the sides of cupboards with provided brackets.

A duct from the cooker hood can be connected to a separate bypass duct on the unit, so the air from the cooker hood is led straight to the exhaust fan and not through the heat exchanger in the unit.

Systemair offers several cooker hoods for a direct insertion into SAVE VTR 150/B and easy wiring to the connection box. The unit has a Cooker Hood function which can be activated via cooker hood.

SAVE VTR 150/B is a unit with 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 control panel that connects to the top of the unit via the connection board and can be positioned on the wall or on the unit. 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 CO₂, 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 panel filters:

- Supply air filter M5/ePM10 50%
- Extract air filter M5/ePM10 50%

Low pressure panel filter F7/ePM1 60% is available as an accessory for supply air filtering.

Bag filter set is also available (supply + extract) as an accessory:

- M5/Coarse 70% - M5/Coarse 70%

Note: No continuous ventilation through the cooker hood



Technical parameters

Unit		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Weight	46	kg
Recommended fuse	10	A
Enclosure class	IP24	
Color casing	Galvanized steel	
Heat exchanger		
Rotor drive	Variable speed	
Exchanger type	Rotating	
Heater		
Input power, electrical heating battery	1	kW
Heating type	Electric	
Supply fan		
Input power (P1)	86	W
Extract fan		
Input power (P1)	86	W
Supply filter		
Filter, supply air	ePM10 50%	
Extract filter		
Filter, extract air	ePM10 50%	
Others		
Mounting type	Vertical	
Supply side	Left	
ErP		
Energy class, basic unit	B	
Energy class, basic unit option	A	
ErP ready	ErP 2016/ErP 2018	

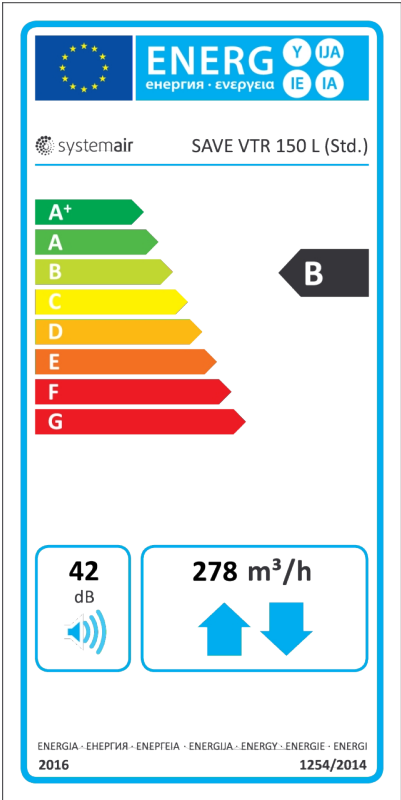
Eco design

Basic unit		
Trade name	Systemair	
Product name	SAVE VTR 150/B L 1000W	
ErP compliance	2018	
SEC Average	-32,7	kWh/(m².a)
SEC Cold	-73,3	kWh/(m².a)
SEC Warm	-9,4	kWh/(m².a)
SEC Class	B	
Unit category	RVU	
Unit type	BVU	
Drive	Integrated VSD	
Heat recovery type	Regenerative	
Temperature ratio	76	%
qv max	278	m³/h
P max	178	W
Sound power level LWA	42	dB(A)
qv ref	195	m³/h
Ps ref	50	Pa
SPI	0,433	W/(m³/h)
CTRL	0,85	-
MISC	1,1	-
x-value	2	-
External Leakage	3	%
Internal Leakage	N/A	%
Carry over	4	%
Type of product	RAHU/AARE	
AEC average	392	kWh
AEC cold	392	kWh
AEC warm	392	kWh
AHS Average	4251	kWh/a
AHS Cold	8315	kWh/a
AHS Warm	1922	kWh/a

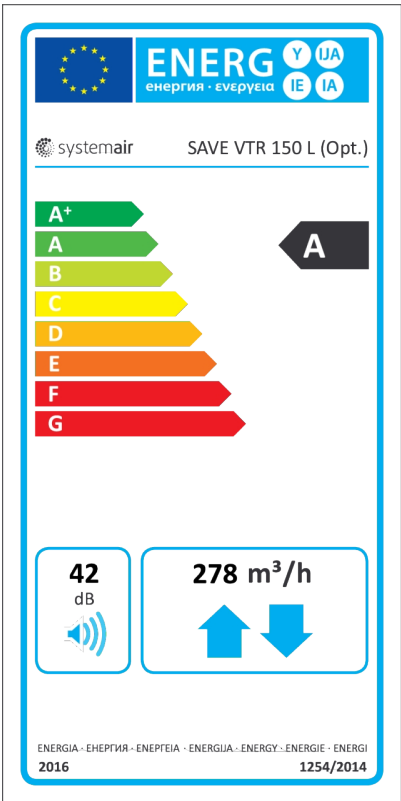
Units with local demand control		
Trade name	Systemair	
Product name	SAVE VTR 150/B L 1000W	
ErP compliance	2018	
SEC Average	-38,3	kWh/(m².a)
SEC Cold	-80,4	kWh/(m².a)
SEC Warm	-14,2	kWh/(m².a)
SEC Class	A	
Unit category	RVU	
Unit type	BVU	
Drive	Integrated VSD	
Heat recovery type	Regenerative	
Temperature ratio	76%	%
qv max	278	m³/h
P max	178	W
Sound power level LWA	42	dB(A)
qv ref	195	m³/h
Ps ref	50	Pa
SPI	0,433	W/(m³/h)
CTRL	0,65	-
MISC	1,1	-
x-value	2	-
External Leakage	3	%
Internal Leakage	N/A	%
Carry over	4	%
Type of product	RAHU/AARE	
AEC average	229	kWh
AEC cold	229	kWh
AEC warm	229	kWh
AHS Average	4404	kWh/a
AHS Cold	8614	kWh/a
AHS Warm	1991	kWh/a

Energy class label

Energy class, basic unit



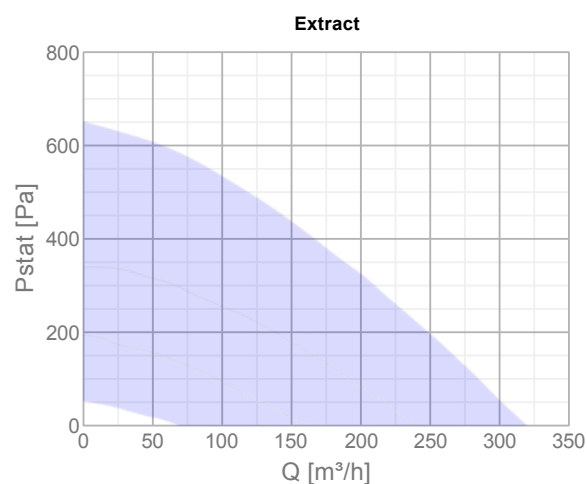
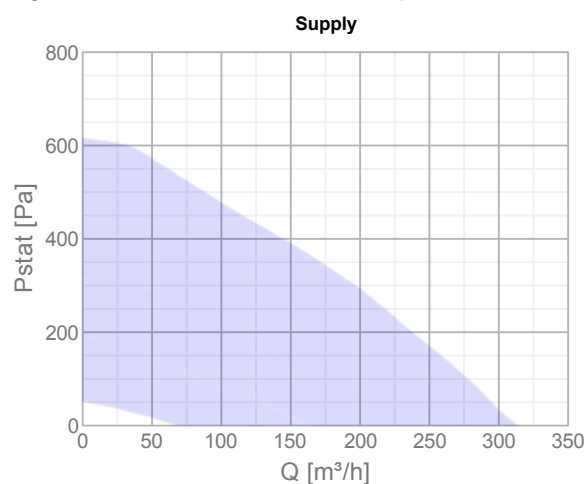
Unit with local demand control



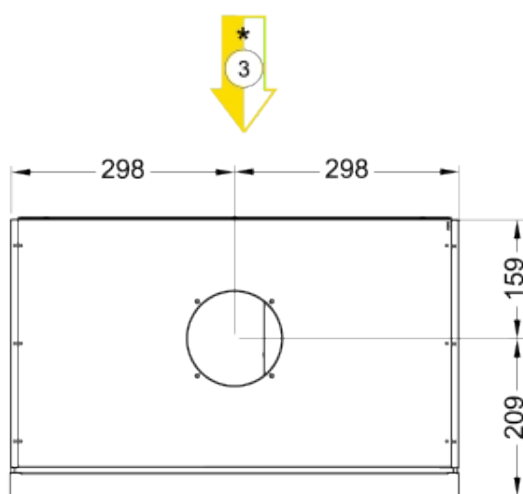
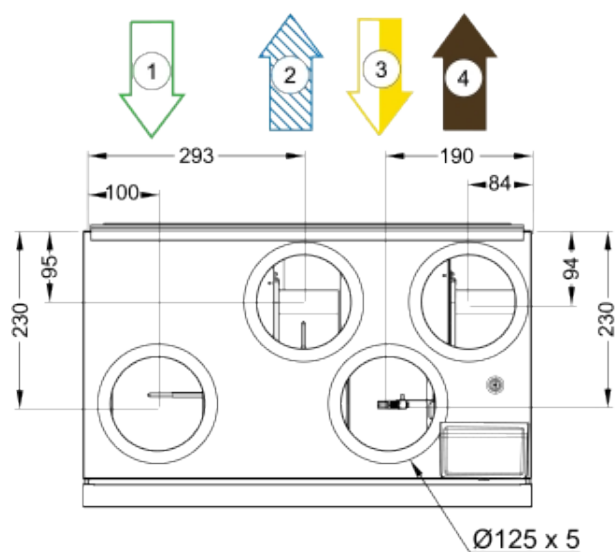
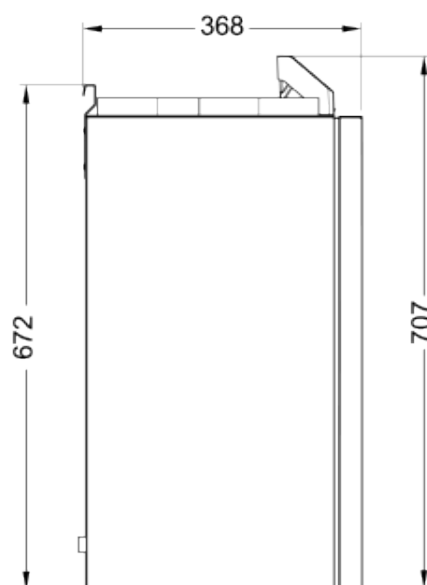
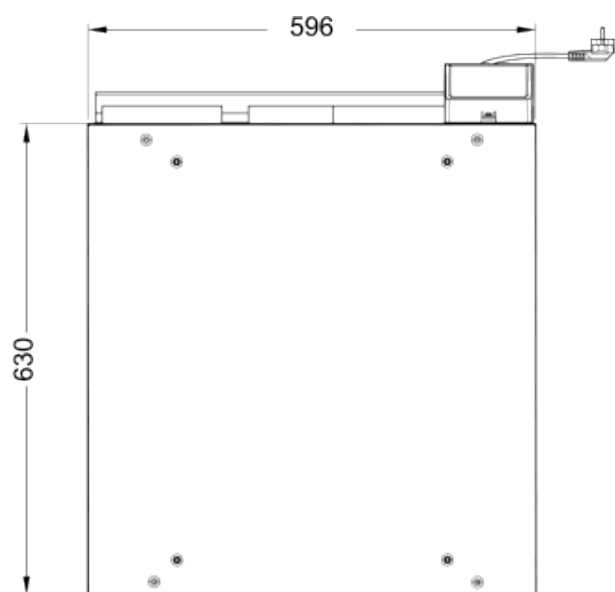
Performance

Diagrams

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



Dimensions



* Cooker hood connection

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

Accessories

Electric accessories

CB 125-0.6 230V/1 Duct heater (5289)
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)
392-10/B Slimline Int.600White (77265)
SAVE Touch White SPR (138077)
SAVE Touch Black SPR (138078)
VAV/CAV conversion kit (140777)
CB Preheater Kit 1 phase (142852)
Internet access module (IAM) (211243)
Systemair-E CO2 RH Temperature (211522)
Surface sensor -30-150C (211523)
Duct sensor -30-70C (211524)
Room sensor 0-50C (211525)
RMK-T (153548)
RMK (153549)
251-10/B Cookerhood White (96698)
251-10/B Cookerhood Stainless (96699)
RS-24V (159484)

Accessories

CWK 125-3-2,5 Duct cooler_circ (30021)
VBC 125-2 Water heating batt (5457)
LDC 125-600 Silencer (5190)
LDC 125-900 Silencer (5191)
FK 125 Fast clamp (1608)
ZTV 15-0,4 2-way valve (9829)
VBC 125-3 Water heating batt (9839)
ZTR 15-0,4 valve 3-way (9670)
Connectduct Ø 125/1,0 M/F (2556)
ZTR 15-0,6 valve 3-way (6573)
ZTV 15-0,6 2-way valve (6571)
TUNE-R-125-3-M4 (311968)
Duct Cover S.Steel VTR 150/K (19567)
Duct Cover White VTR 150/K (19566)
CVVX 125 Combi grille, white (26422)
CVVX 125 Combi grille, black (26421)
PF VTR 150 M5/ePM10 50% Ext (211120)
PF VTR 150 M5/ePM10 50% Sup (211121)
PF VTR 150 F7/ePM1 60% Sup (211122)
SAVE Touch Wall Mounted Kit (140736)
BF VTR 150 M5/Coarse 70% Sup (210253)
BF VTR 150 M5/Coarse 70% Ext (210254)
PF VTR 150 STD kit (145777)
PF VTR 150 OPT kit (145920)
BF VTR 150 OPT kit (153439)
Front cover White VTR150/B (157226)

Documentation



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



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



212024 SAVE_VTR_150B_Installation_and_service_EN_SE_DE_FI_20190415_rev29.pdf (9,03MB)



212025 SAVE_VTR_150B_User_manual_EN_SE_DE_FI_20190415_rev29.pdf (5,39MB)



Systemair_SAVE_VTR_150B_disassembly_guide_EN_SE_DE_NO_FI_20181207.pdf (602,49kB)



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



212027 VTR 150_B wiring diagram_en A001.pdf (939,04kB)



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



Systemair_SAVE_Commissioning_record_EN_20190109.pdf (1,13MB)



96155_SAVE_VTR150_B_L.dxf (1,20MB)



SAVE Touch_quick_guide_20181211.pdf (568,48kB)



VTR 150_B Scheme EN.pdf (682,38kB)