

# SAVE VTR 150/K L 500W S.S

Item no. 88148

Version: Filter M5-M5; 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
- SAVECair 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/K 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/K has an integrated cooker hood and should be placed above the hob. The unit with modern design suits different kitchen environments. The integrated cooker hood has push buttons for the damper, forcing and lighting. The damper is opened during food preparation by pushing the button once. Pushing it second time will force the ventilation and a third time will close the ventilation damper in the cooker hood and the unit will go back to normal operation. The extract air from the cooker hood is being by-passed, so the heat exchanger is not being exposed to extract air from the kitchen.

SAVE VTR 150/K is a unit with stainless steel 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 SAVECair 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.

SAVECair AUTO mode has many functions available that regulate the airflow according to CO<sub>2</sub>, 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
- Extract air filter M5

Low pressure panel filter F7 is available as an accessory for supply air filtering.

**Note: No continuous ventilation through the cooker hood**

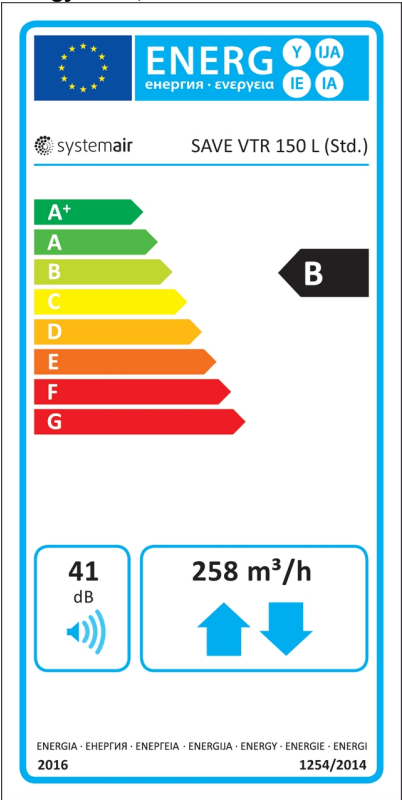


## Technical parameters

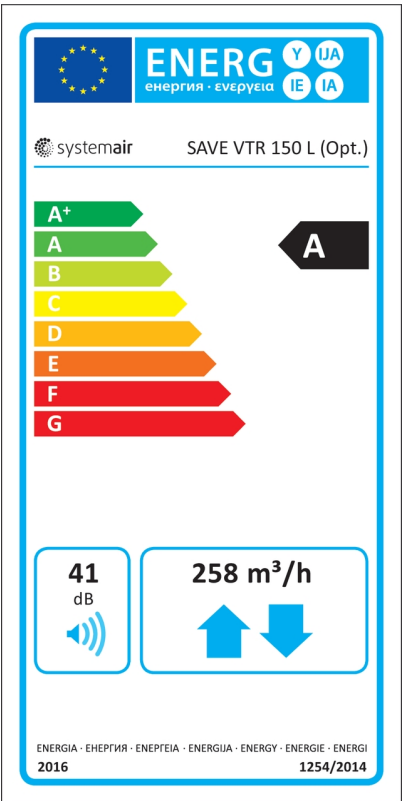
Unit		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Weight	61	kg
Recommended fuse	10	A
Enclosure class	IP24	IP
Heat exchanger		
Rotor drive	Variable speed	
Exchanger type	Rotating heat exchanger	
Heater		
Input power, electrical heating battery	0.5	kW
Heating type	Electric	
Supply fan		
Input power (P1)	86	W
Extract fan		
Input power (P1)	86	W
Supply filter		
Filter, supply air	M5	
Extract filter		
Filter, extract air	M5	
Others		
Mounting type	Vertical units	
Supply side	Left	
ErP		
Energy class, basic unit	B	
Energy class, basic unit option	A	
ErP ready	ErP 2016/ErP 2018	

Energy class label

Energy class, basic unit



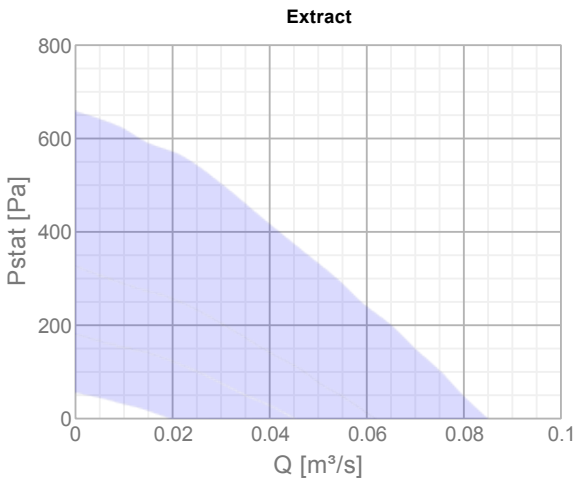
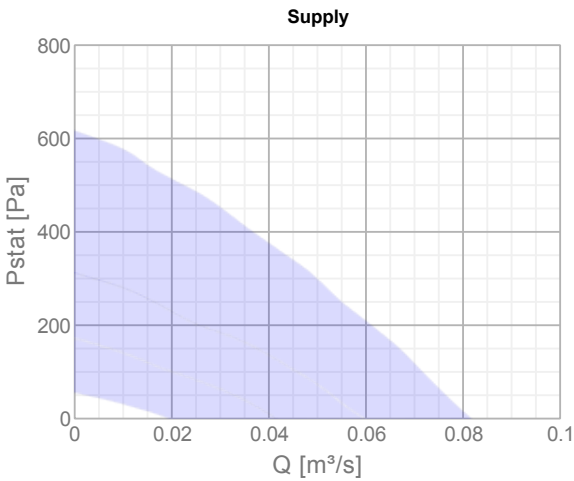
Unit with local demand control



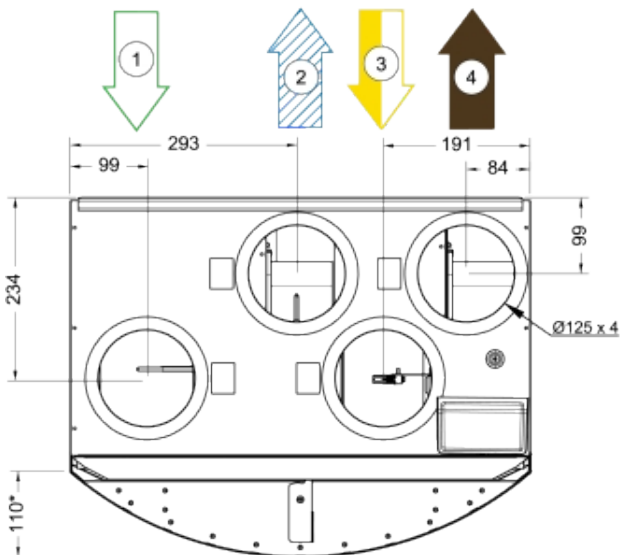
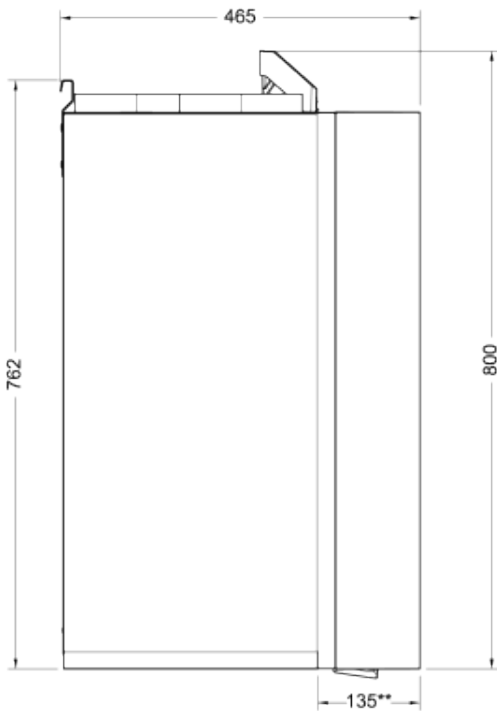
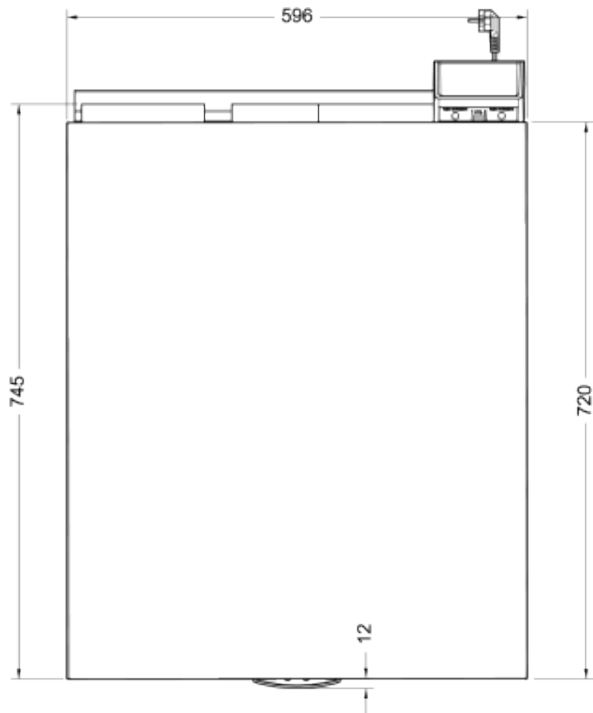
Diagrams

Diagrams

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



Dimensions



- \* Curved part of the hatch
- \*\* Hatch

- 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 \(37367\)](#)
- [SAVECair HMI white SPR \(138077\)](#)
- [SAVECair HMI Black SPR \(138078\)](#)
- [VAV/CAV kit SAVECair \(140777\)](#)
- [Internet access module \(IAM\) \(211243\)](#)
- [Systemair-E CO2 RH Temperature \(211522\)](#)

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 \(6571\)](#)
- [Duct Cover S.Steel VTR 150/K \(19567\)](#)
- [CVVX 125 Combi grille, black \(26421\)](#)
- [CVVX 125 Combi grille, white \(26422\)](#)
- [TUNE-R-125-3-M4 \(311968\)](#)
- [HMI SAVECair wall mounted kit \(140736\)](#)
- [PF VTR 150/K M5 Extract Air \(211120\)](#)
- [PF VTR 150/K M5 Supply Air \(211121\)](#)
- [PF VTR 150/K F7 Supply Air \(211122\)](#)

Documentation

-  211578 SAVECair panel mounting instructions (A001).pdf (168,89kB)
-  SAVECAir Modbus variable list\_EN (A001).pdf (166,62kB)
-  211470 VTR150\_Installation\_and\_service\_CE\_EN (A001).pdf (3,83MB)
-  211471 VTR150\_User\_manual\_EN (A001).pdf (1,94MB)
-  211472 VTR\_150\_Wiring\_diagram\_EN (A001).pdf (613,50kB)
-  Eurovent Certification Diploma 2017-2018.pdf (1,78MB)
-  211579 SAVE\_Commissioning\_record\_EN (A001).pdf (1,19MB)
-  VTR150 L.dxf (1,41MB)
-  211575 SAVECair\_quick\_guide A002.pdf (1,05MB)



VTR 150 Scheme (A001).pdf (682,22kB)