

## SAVE VSR 150/B

Item no. 88199

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Version: Filter F7/ePM1 55% - 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
- SAVECair control with a capacitive color touch screen for easy use and commissioning
- Connection board inside of the unit for easy installation
- Modbus communication via RS-485 as standard
- Internet communication over the Systemair cloud (IAM) is available as accessory
- Inspection hatch on both sides
- Cooker hood connection

Heat recovery unit designed for ventilated areas up to approximately 100 m<sup>2</sup>.

SAVE VSR 150/B 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.

The unit can be mounted on the wall or in the ceiling.

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.

Anti-vibration ceiling mounting brackets and inspection doors on both sides makes the unit easy to place and clean. Filters can be changed by easy access on the side of the unit.

All settings and features are available from the SAVECair control panel that connects to the side of the unit 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 filter F7/ePM1 55% for supply and G3/Coarse 50% for extract air. Panel filter G3/Coarse 50% for supply air is available as an accessory.

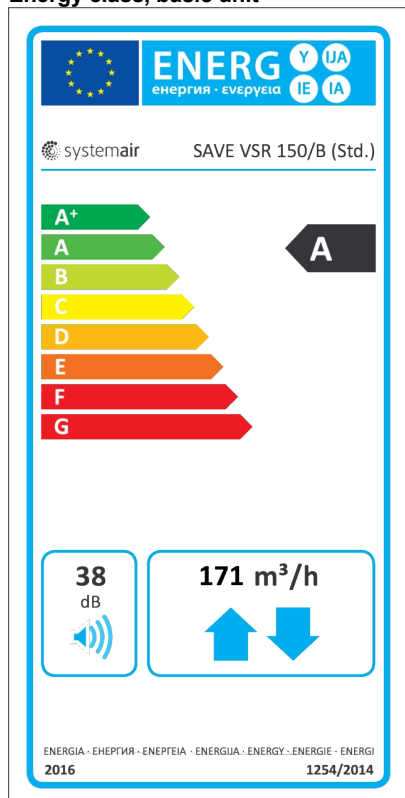


## Technical parameters

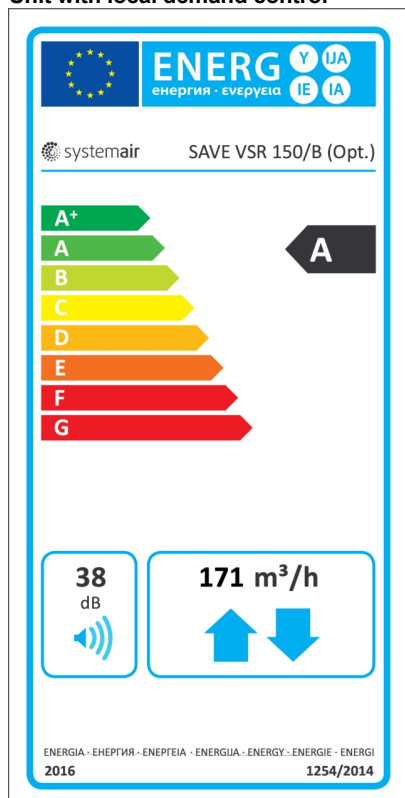
Unit	
Voltage	230 V
Frequency	50 Hz
Phase	1 ~
Weight	58 kg
Recommended fuse	10 A
Enclosure class	IP24
Heat exchanger	
Rotor drive	Variable speed
Exchanger type	Rotating
Heater	
Input power, electrical heating battery	0,5 kW
Heating type	Electric
Supply fan	
Input power (P1)	37 W
Extract fan	
Input power (P1)	37 W
Supply filter	
Filter, supply air	ePM1 55%
Extract filter	
Filter, extract air	Coarse 50%
Others	
Mounting type	False ceiling
Supply side	Right
ErP	
Energy class, basic unit	<b>A</b> 
Energy class, basic unit option	<b>A</b> 
ErP ready	ErP 2016/ErP 2018

## Energy class label

### Energy class, basic unit



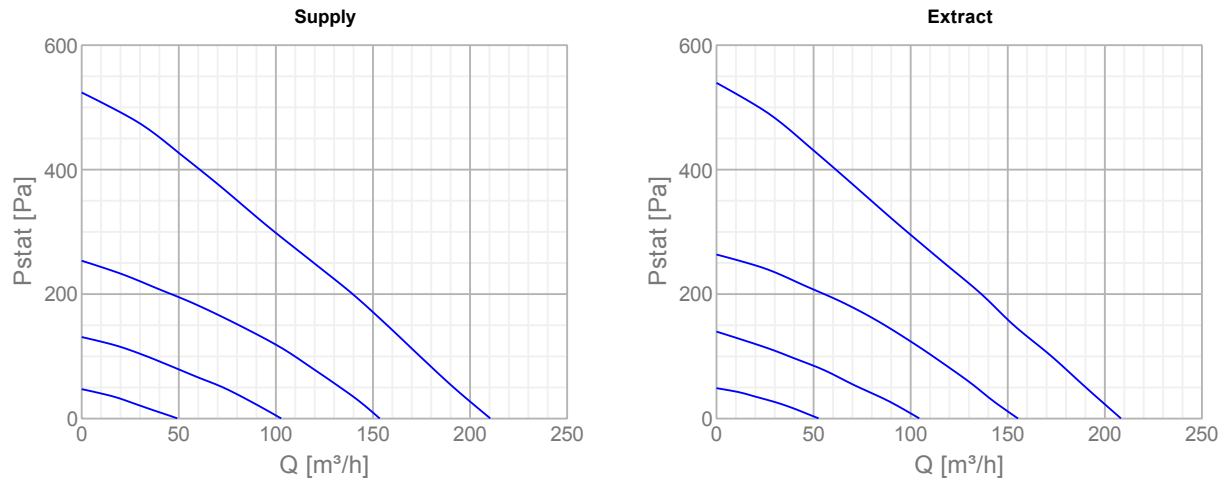
### Unit with local demand control



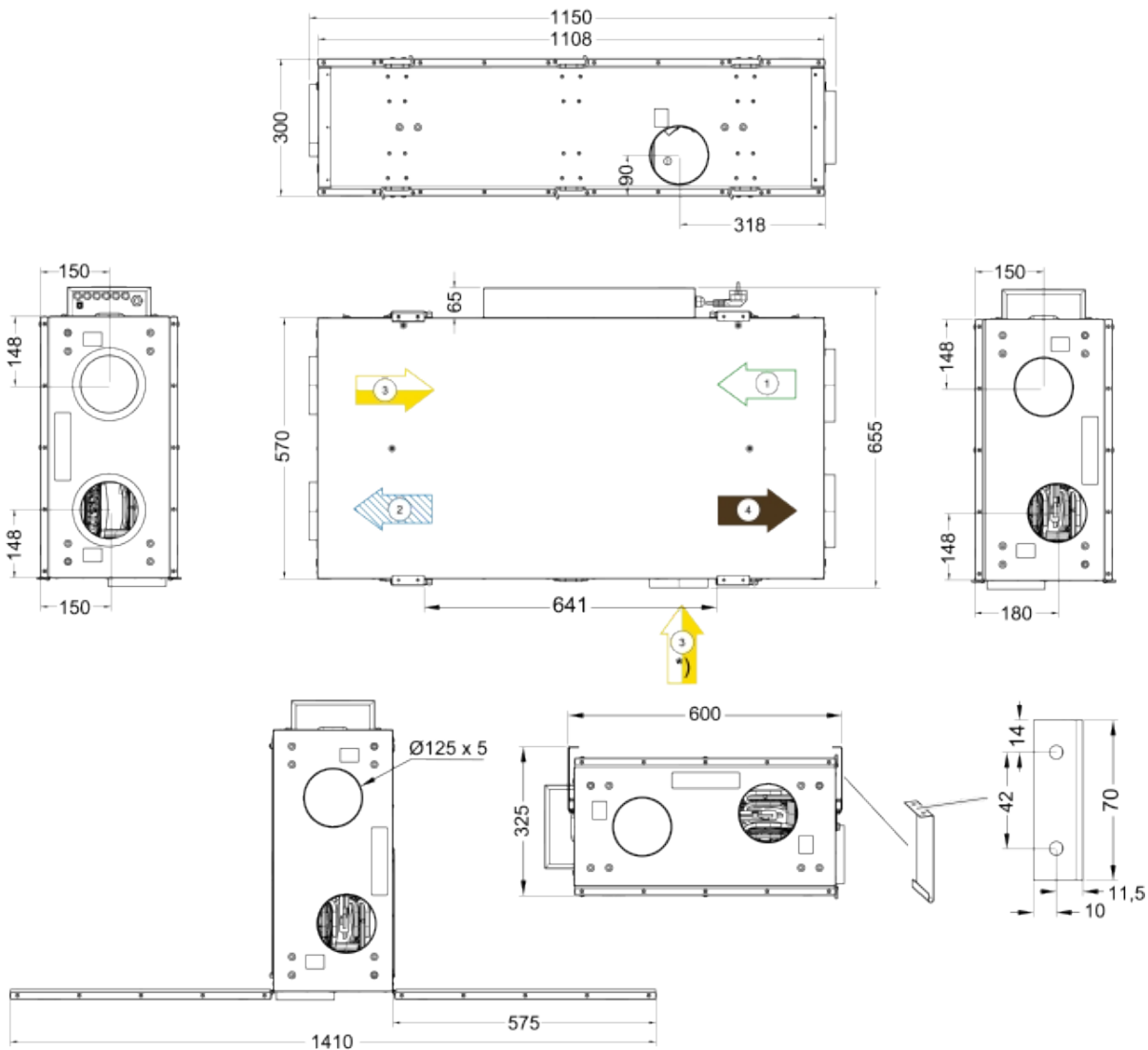
## Performance

### Diagrams

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



## Dimensions



\*) Connection for cooker hood

- 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)
- 251-10/B white 60 cm (12023)
- 251-10/B steel 60 cm (12929)
- PSS48 Transformer 24V (204385)
- RVAZ4 24A Actuator 0-10V (9862)
- Push button, impulse (9693)
- TUNE-R-125-3-M4 (311968)
- 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)
- 602-10/B Cookerhood White (47561)
- 602-10/B Cookerhood S.Steel (47562)
- 762-10/B OPAL Wall 600 steel (78970)
- 762-10/B OPAL Wall 900 steel (78971)
- 772-10/B OPAL Free 900 steel (78972)
- 782-10/B STIL Wall 600 steel (78973)
- 782-10/B STIL Wall 900 steel (78974)
- 792-10/B STIL Free 900 steel (78975)
- 722-10/B TENDER Wall 600 steel (78976)
- 722-10/B TENDER Wall 900 steel (78977)
- 722-10/B TENDER Wall 600 white (78978)
- 392-10/B Slimline Int.600White (77265)
- SAVECair HMI white SPR (138077)
- SAVECair HMI Black SPR (138078)
- VAV/CAV kit SAVECair (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)
- Relay F4031-24V with socket (146700)
- RMK-T (153548)
- RMK (153549)


### 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)
- PF VSR 150 G3/Coarse 50% S/E (208232)
- PF VSR 150 F7/ePM1 55% Supply (208233)
- CVVX 125 Combi grille, white (26422)
- CVVX 125 Combi grille, black (26421)
- Wall mounting kit VSR 150/B (115599)
- HMI SAVECair wall mounted kit (140736)


## Documentation


 211578 SAVECair panel mounting instructions (A001).pdf (168,89kB)

 SAVECair Modbus variable list\_EN (A001) (166,62kB)


 211556 VSR150\_User\_manual\_MUL (B001).pdf (4,09MB)

 211555 VSR150\_Installation\_and\_service\_CE\_MUL (B001).pdf (8,15MB)


 211577 Energy label placement SAVE (SAVECair) A001.pdf (671,96kB)


 211460 VSR\_150\_300\_500\_Wiring\_diagram\_EN (A001).pdf (607,10kB)

 Eurovent Certification Diploma 2018.pdf (1,78MB)

 211579 SAVE\_Commissioning\_record\_EN (A001).pdf (1,19MB)

 VSR150.dxf (2,06MB)

 211575 SAVECair\_quick\_guide A002.pdf (1,05MB)

 VSR\_150\_Scheme\_EN (A001).pdf (703,00kB)