

SAVE VTC 300 L

Item no. 88381

Version: No heater; Filter G4-G4; Filter(s) included with the unit

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Description

- High efficiency heat recovery unit with counter flow heat exchanger
- Energy efficient RadiCal-fans, with EC-technology enables very low SFP and low sound
- Automatic defrosting funktion
- 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

Heat recovery unit designed for ventilated areas up to approximately 240 m². Left and right handed models are available.

The SAVE VTC 300 is designed for installation on the wall in a laundry room or storeroom.

SAVE VTC 300 is a unit with white painted double skinned panels and comes with complete control functionality. The unit is equipped with a high efficiency counter flow heat exchanger. 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 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.

SAVECair 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 has an automatic defrosting function that can be chosen in 3 different modes depending on the indoor environment as well as the outdoor conditions.

Without preheater in tight houses / passive houses where unbalanced airflow is not allowed the unit works down to -5°C. Without preheater when unbalance is allowed the unit works down to -15°C. Below -15°C a preheater is needed.

The VTC 300 can be supplemented with a re-heater battery.

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. Built in electric/water re-heater is available as accessory.

The unit is delivered with low pressure panel G4 filters for supply air filter and extract air. Panel filter F7 and bag filter F7 for supply air are available as accessories. Panel filter M5 is available as an accessory for extract air filtering.



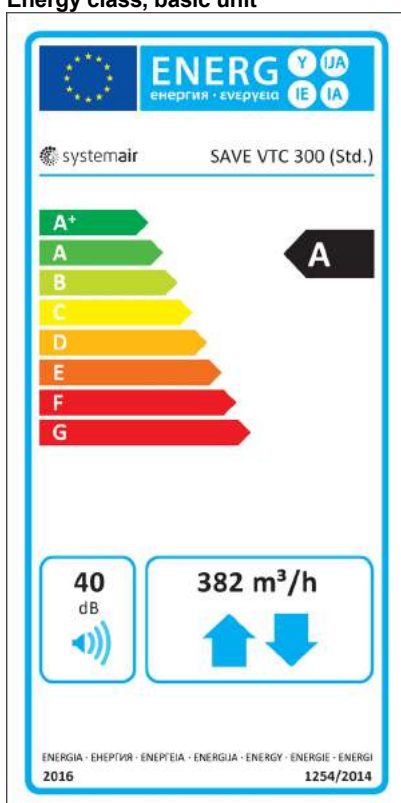
Technical parameters

Unit	
Voltage	230 V
Frequency	50 Hz
Phase	1 ~
Weight	72 kg
Recommended fuse	10 A
Enclosure class	IP24 IP

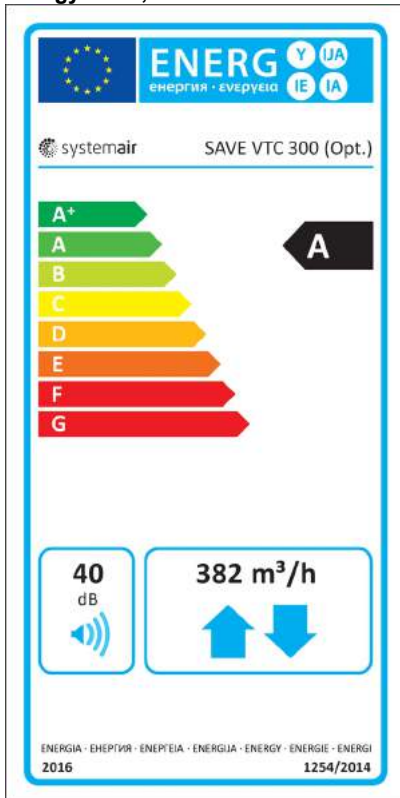
Heat exchanger	
Exchanger type	Counter flow
Heater	
Heating type	None
Supply fan	
Input power (P1)	85 W
Extract fan	
Input power (P1)	85 W
Supply filter	
Filter, supply air	G4
Extract filter	
Filter, extract air	G4
Others	
Mounting type	Vertical
Supply side	Left
ErP	
Energy class, basic unit	A
Energy class, basic unit option	A
ErP ready	ErP 2016/ErP 2018

Energy class label

Energy class, basic unit



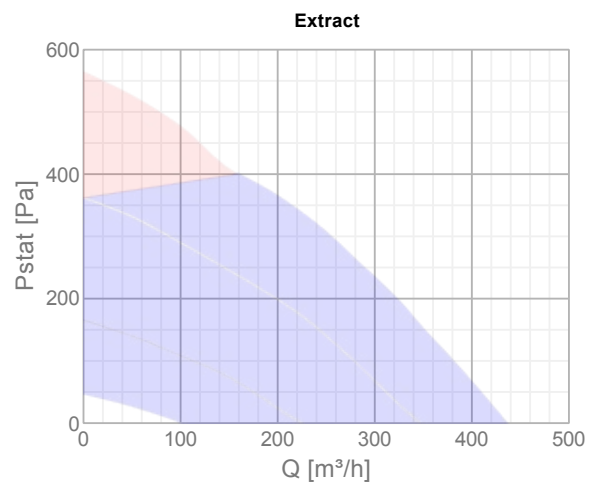
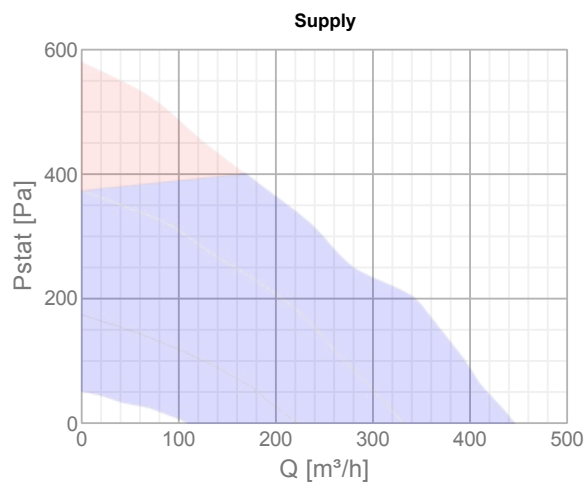
Energy class, unit with local demand control



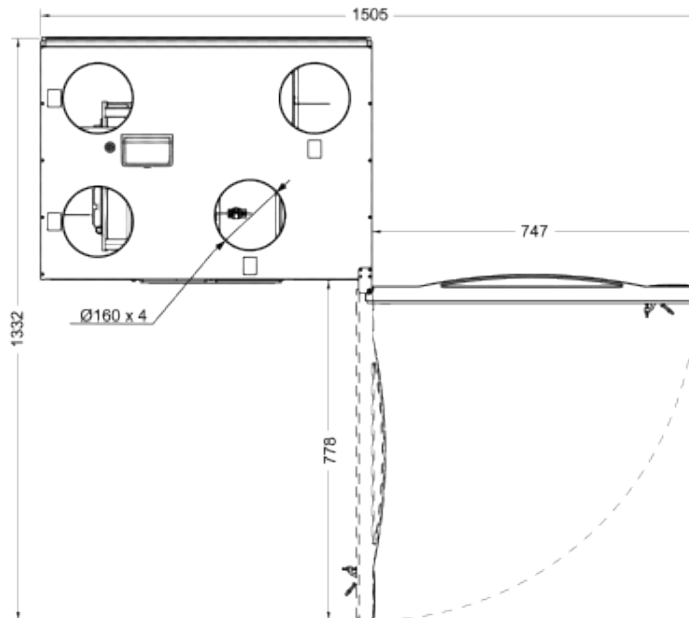
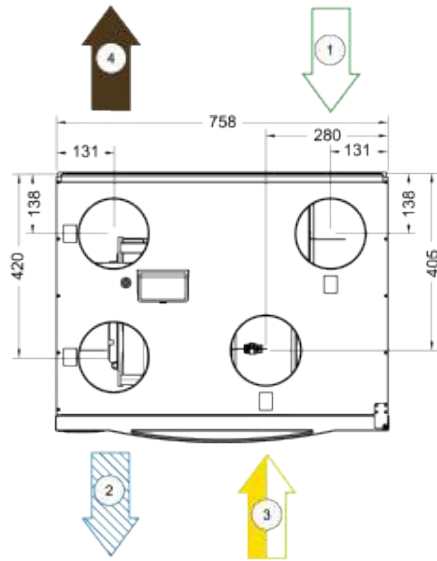
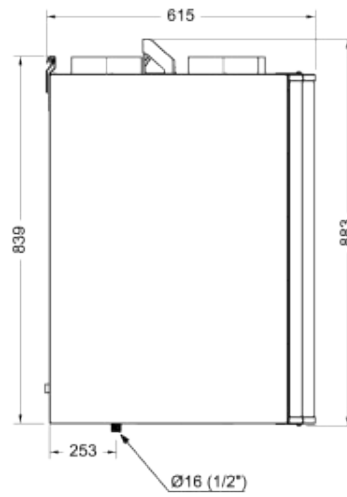
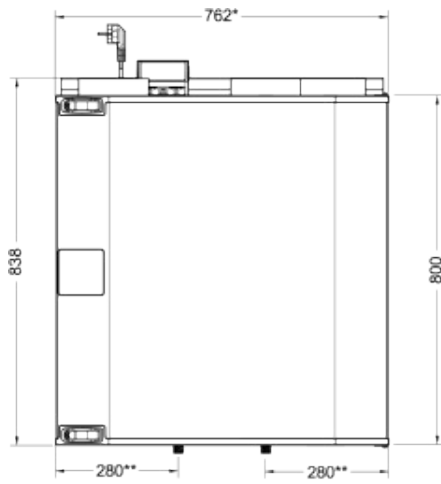
Performance

Diagrams

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



Dimensions



* Inspection hatch

** Drainage

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

Accessories


Electric accessories


[CB 160-2,7 230V/1 Duct heater \(5382\)](#)
[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 \(138078\)](#)
[Reheater VTC 300 L \(139312\)](#)
[VAV/CAV kit SAVECair \(140777\)](#)
[CB Preheater Connection Kit \(142852\)](#)
[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 \(211525\)](#)

Accessories

[VBC 160-2 Water heating batt \(5458\)](#)
[LDC 160-600 Silencer \(5192\)](#)
[LDC 160-900 Silencer \(5193\)](#)
[FK 160 Fast clamp \(1610\)](#)
[EFD 160 Damper + TF230 motor \(7122\)](#)
[ZTV 15-0,4 2-way valve \(9829\)](#)
[VBC 160-3 Water heating batt \(9840\)](#)
[ZTR 15-0,4 valve 3-way \(9670\)](#)
[Connectduct Ø 160/1,0 M/F \(2558\)](#)
[ZTR 15-0,6 valve 3-way \(6573\)](#)
[ZTV 15-0,6 2-way valve \(6571\)](#)
[PF VTC 300 G4 \(207039\)](#)
[PF VTC 300 M5 \(207040\)](#)
[PF VTC 300 F7 \(207041\)](#)
[BF VTC 300 F7 \(207042\)](#)
[TUNE-R-160-3-M4 \(311969\)](#)
[CVVX 160 Combi grille, black \(25394\)](#)
[CVVX 160 Combi grille, white \(25396\)](#)
[HMI SAVECair wall mounted kit \(140736\)](#)

Documentation

-  [211578 SAVECair panel mounting instructions \(A001\).pdf \(168,89kB\)](#)
-  [SAVECair Modbus variable list_EN \(A001\) \(166,62kB\)](#)
-  [211464 VTC_300_Installation_and_Service_CE_EN \(A001\).pdf \(4,70MB\)](#)
-  [211465 VTC_300_User_manual_EN \(A001\).pdf \(2,36MB\)](#)
-  [211466 SAVE_VTC_300_Wiring_diagram_en-GB \(A001\).pdf \(1,54MB\)](#)
-  [PHI certificate SAVE VTC 300 EN 2017.pdf \(166,39kB\)](#)
-  [Eurovent Certification Diploma 2017-2018.pdf \(1,78MB\)](#)
-  [211579 SAVE_Commissioning_record_EN \(A001\).pdf \(1,19MB\)](#)
-  [VTC300_Left.dxf \(3,90MB\)](#)
-  [211575 SAVECair_quick_guide A002.pdf \(1,05MB\)](#)

 VTC_300_Scheme_EN (A001).pdf (837,48kB)