SAVE VTC 700 L

Item no. 88781

Version: No heater; Filter M5/ePM10 50% + M5/ePM10 50%; Filter(s) included with the unit

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 function**
• **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 550 m^2.
Left and right handed models are available.
The SAVE VTC 700 is designed for installation on the floor in a laundry room or storeroom.
SAVE VTC 700 is a unit with white painted double skinned panels and comes with complete control functions. 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 SAVE Touch 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 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 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 700 can be supplemented with a re-heater battery (4,5 kW, 400 V power supply is necessary).
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 filters

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

Panel filter F7/ePM1 60% and bag filter F7/ePM1 60% for supply air are available as accessories.

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1 / 6

Technical parameters

Unit		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Weight	151	kg
Recommended fuse	10	A
Enclosure class	IP24	
Color casing	RAL9010	

Heat exchanger	
Exchanger type	Counter flow heat exchanger

Heater	
Heating type	None

Supply fan		
Input power (P1)	170	W

Extract fan		
Input power (P1)	170	W

Supply filter	
Filter, supply air	ePM10 50%

Extract filter	
Filter, extract air	ePM10 50%

Others	
Mounting type	Vertical units
Supply side	Left

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

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Energy class label

Energy class, basic unit
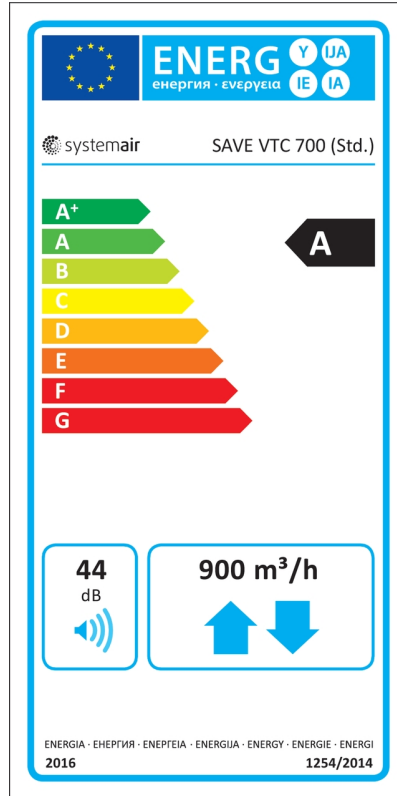
Energy class, unit with local demand control
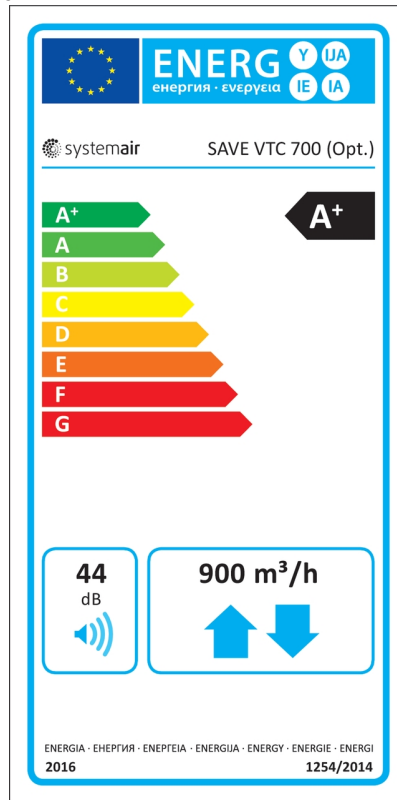
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Diagrams

Diagrams

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

Supply

Extract
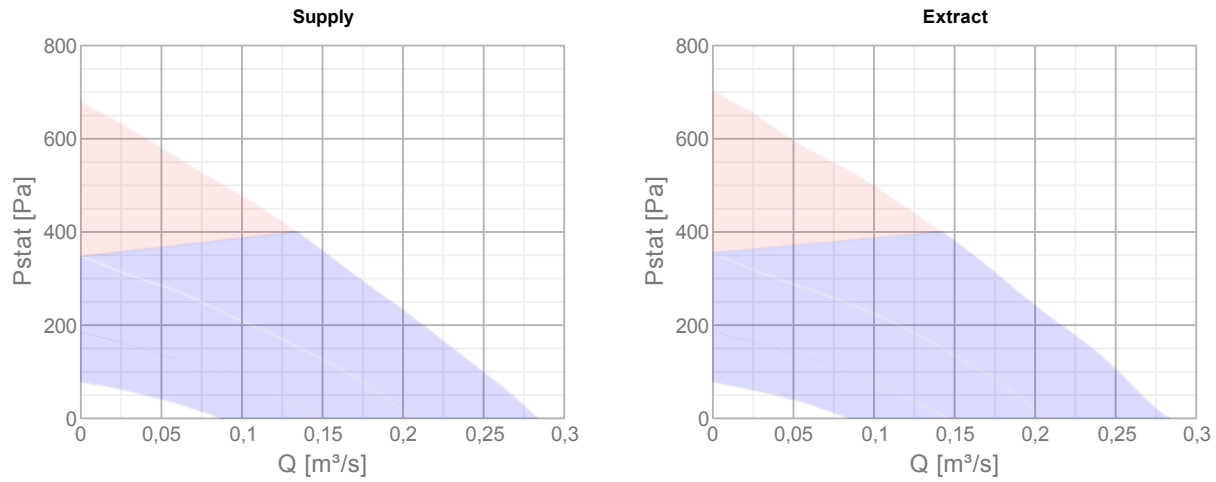
Dimensions
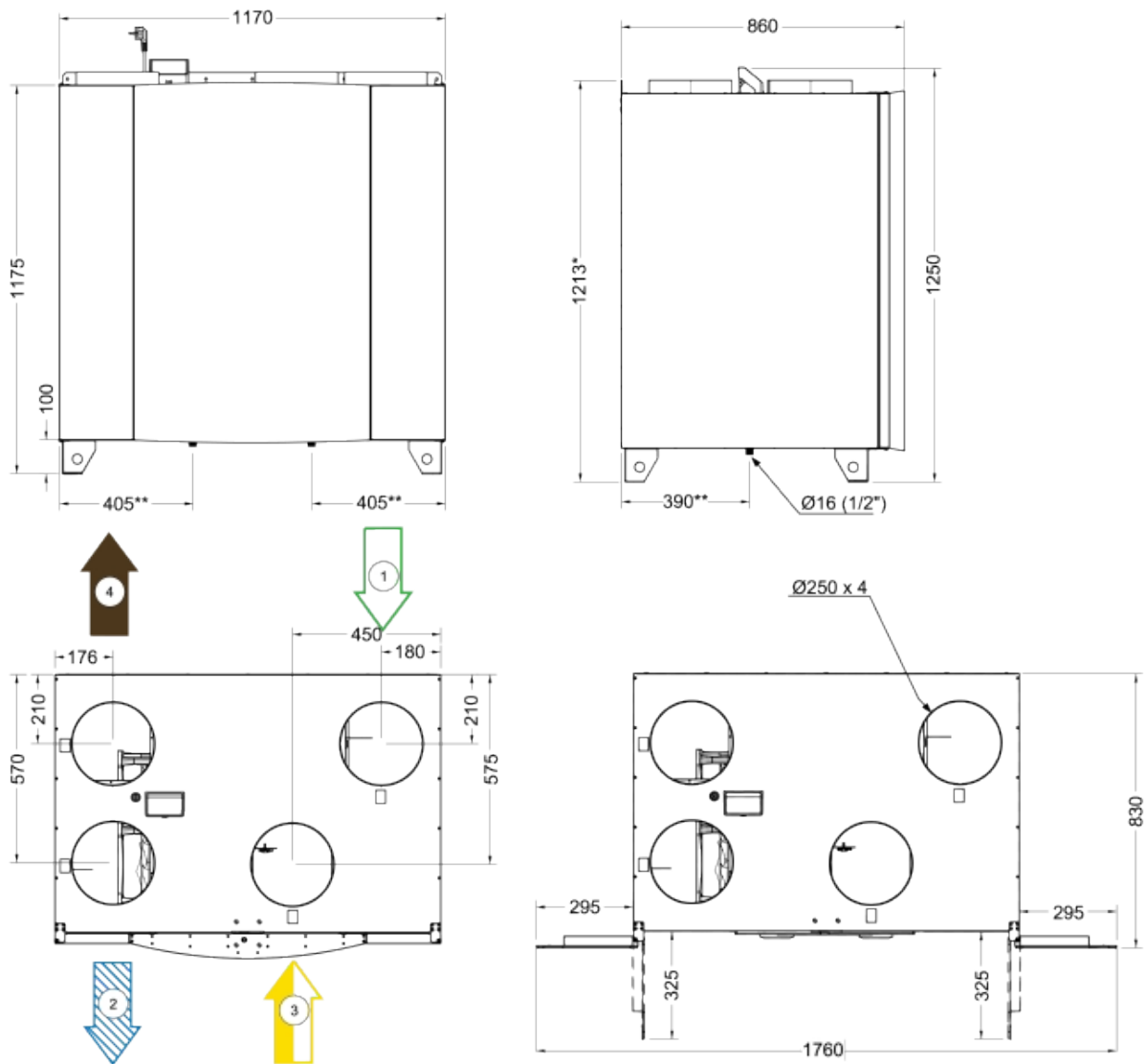
* Drainage
** Height with mounting bracket

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

Accessories

Electric accessories

CB 250-9,0 400V/3 Duct heater (5373)
CB 250-3,0 230V/1 Duct heater (5385)
Presence detector/IR24-P (6995)
PSS48 Transformer 24V (204385)
CEC Cable w/plug 15m (306594)
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)
CB 250-6,0 400V/2 Duct heater (5372)
Reheater VTC 700 L (137746)
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 250-3-2,5 Duct cooler,circ (30024)
VBC 250-2 Water heating batt (5460)
LDC 250-900 Silencer (5196)
FK 250 Fast clamp (1612)
ZTV 15-1,6 2-way valve (9824)
VBC 250-3 Water heating batt (9843)
ZTR 15-1,6 valve 3-way (9673)
Connectduct Ø 250/1,0 M/F (2561)
BF VTC 700 F7/ePM1 60% GF Sup (207470)
PF VTC/VTR700 M5/ePM10 50% S/E (207471)
PF VTC/VTR 700 F7/ePM1 60% Sup (207472)
CVVX 250 Combi grille, black (8498)
TUNE-R-250-3-M4 (311971)
SAVE Touch Wall Mounted Kit (140736)

Documentation

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

📄 211566 SAVE_VTC_700_User_manual_EN_SE_DE_20190415_sw1.8.0.pdf (2,65MB)

📄 Systemair_SAVE_VTC_700_disassembly_EN_SE_DE_NO_FI_20181207.pdf (515,54kB)

📄 211565 SAVE_VTC_700_Installation_and_service_EN_DE_SE_20190415_sw1.8.0.pdf (6,64MB)

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

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

📄 211469 SAVE_VTC_700_Wiring_diagram_EN (A001).pdf (1,92MB)

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

📄 SAVE VTC 700 Passive House Certificate 2019.pdf (167,77kB)

📄 Systemair_SAVE_Commissioning_record_EN_20190109.pdf (1,13MB)

📄 88781_SAVE_VTC700_L.dxf (19,78MB)

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SAVE Touch_quick_guide_20181211.pdf (568,48kB)

VTC_700_Scheme_EN (A002).pdf (848,95kB)

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