

SAVE VTC 200 L

Item no. 24803

Version: Filter F7-G4

Document type: **Product card**
 Document date: **2016-07-06**
 Generated by: **Systemair Online Catalogue**



Description

- A high-efficiency heat recovery unit with about 90 % heat recovery
- Energy-efficient RadiCal fans with modern EC technology
- Separate settings of supply and extract air flow
- Start-up wizard for easy commissioning
- Automatic defrosting (built-in humidity sensor)
- Demand ventilation regulation as standard by the built-in humidity sensor
- Modbus communication via RS-485

The SAVE VTC 200 is designed for installation on the wall and preferably installed in a secondary room, for example a storeroom or laundry room. The SAVE VTC 200 is designed for applications up to approx. 160 m².

The casing is built of sheet metal and well insulated against condensation. The inner part of the case is made of expanded polypropylene (EPP) and provides extremely good insulation in terms of noise and heat losses. All components are easily removed for maintenance and service.

Commissioning of the unit will be done from one or more CD control panels. A start-up wizard will make the commissioning easier, which can avoid that the unit is running at wrong conditions. Symbols and text in the display will indicate chosen settings; Supply air temperature and fan speed. Commissioning of airflow on supply and extract, will be done at start-up but can be set from the menu settings as well. Timer-function for automatic change between day and night operation is integrated. Setting of filter period is also available. Alarm signal will indicate possible malfunctions.

The unit is equipped with outputs to control an external hot water battery and inputs prepared for demand controlled ventilation from external sensors, e.g. CO₂, presence or humidity sensor (potential free contact). Unit is delivered with built in moisture sensor that not only provides you demand controlled ventilation as standard but also is used for detecting and control defrosting in colder climate

The unit has an automatic defrost function with the built in moisture sensor 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 0°C. Without preheater when unbalance is allowed the unit works down to -3°C. With preheater the unit works down to -20°C depending on the preheater size. The CB preheater can be obtained as an accessory together with the preheater card

The unit is delivered with supply air filter G4 and extract air filter G4. Option for F7 supply air filter is available.



Technical parameters

Unit	
Frequency	50 Hz
Weight	42 kg
Recommended fuse	10 A
Enclosure class	IP24 IP
Voltage	230 V
Phase	1 ~
Heat exchanger	
Exchanger type	Counter flow
Heater	
Heating type	None
Supply fan	

Supply filter

Filter, supply air

G4 (Standard)

Extract filter

Filter, extract air

G4 (Standard)

Others

Mounting type

Vertical

Supply side

Left

ErP

Energy class, basic unit

A

Energy class, basic unit option

A+

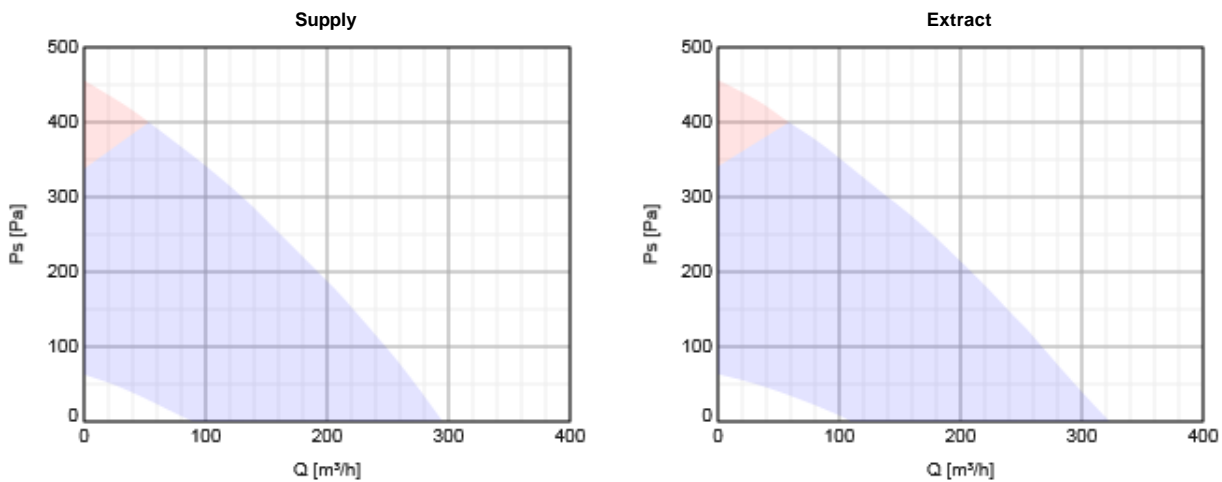
ErP ready

ErP 2016/ErP 2018

Extract fan

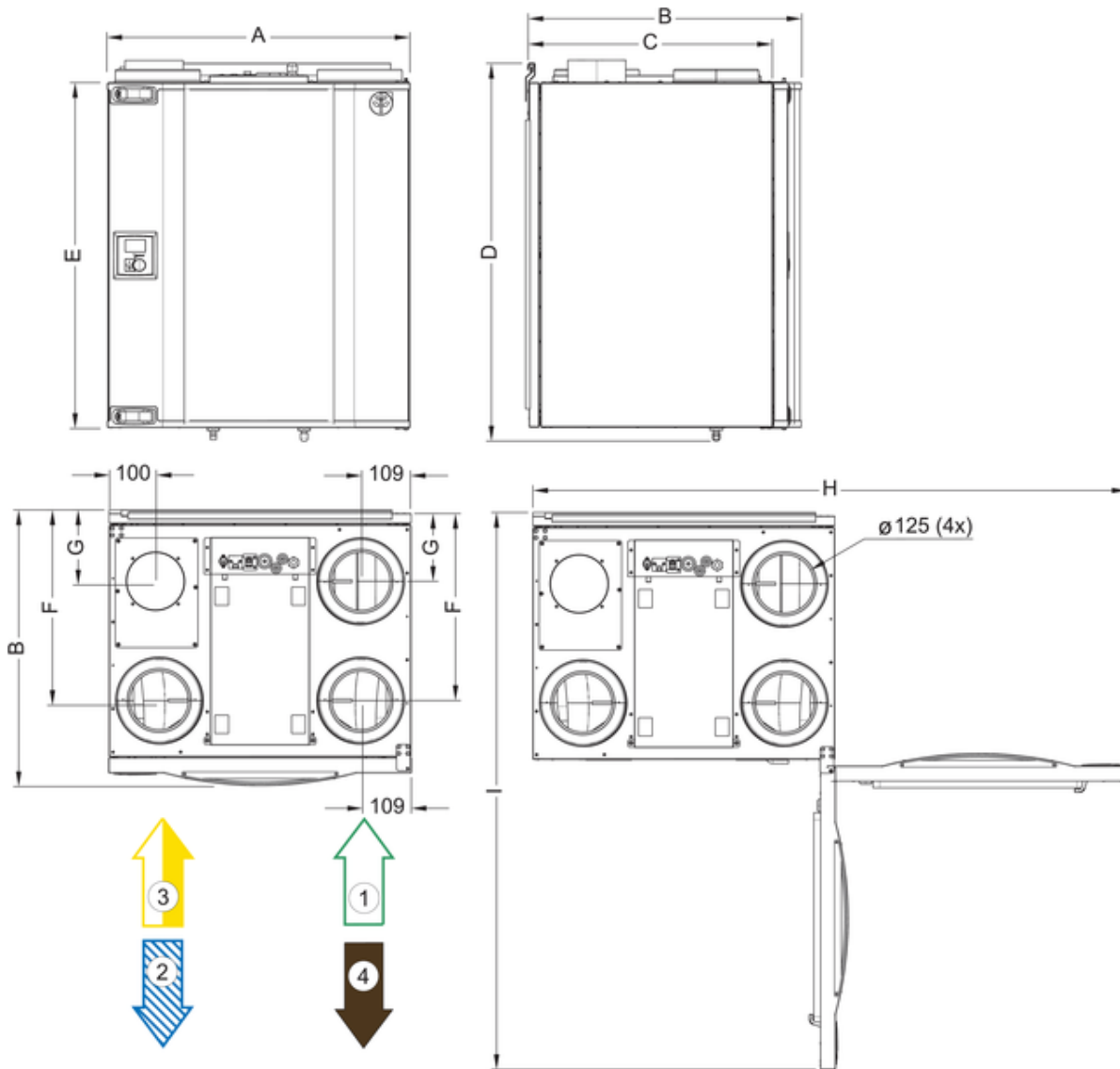
Input power (P1)

68 W

Performance**Diagrams**

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

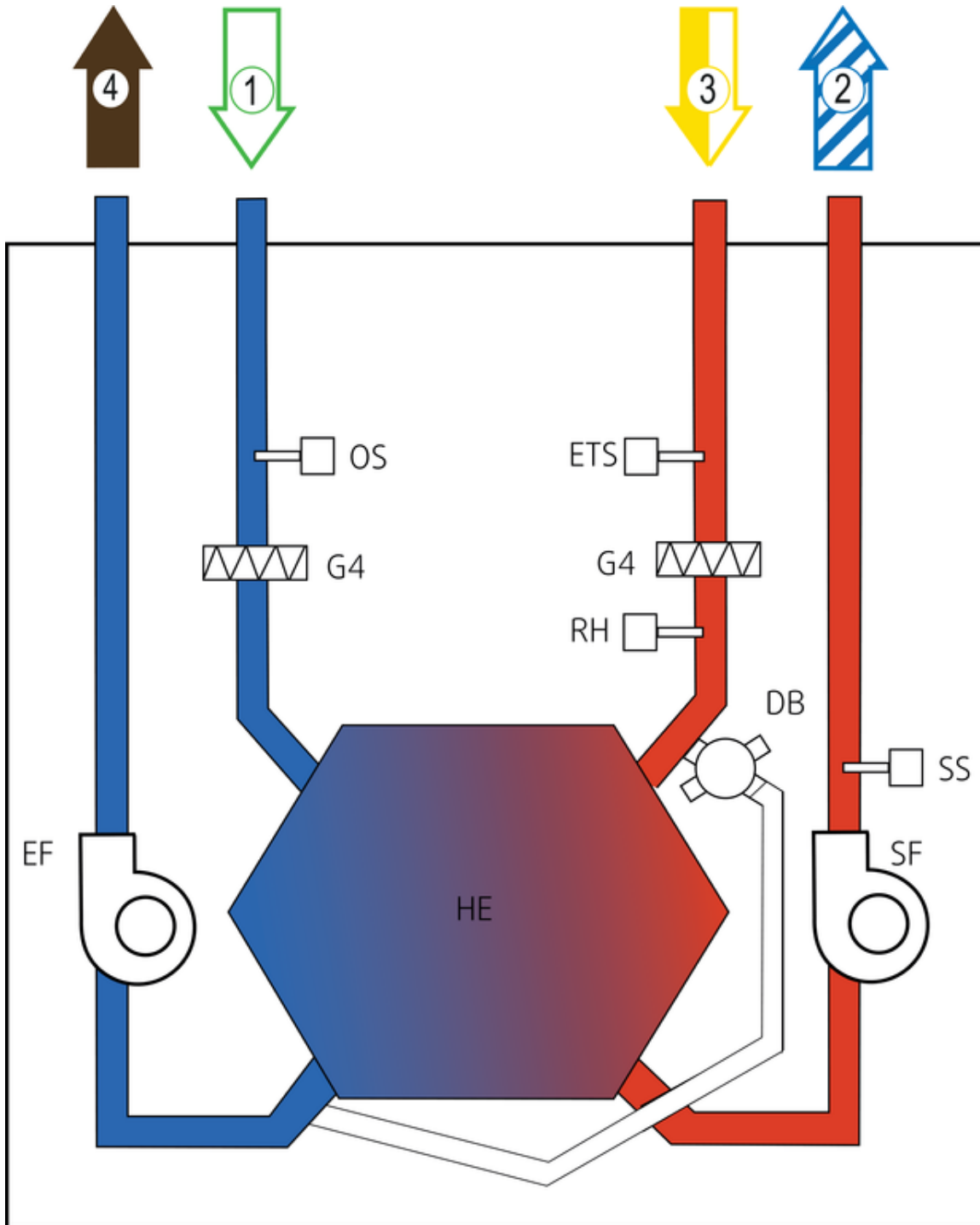
Dimensions



SAVE VTC 200	A	B	C	D	E	F	G	H	I
	660	597	534	824	752	412	152	1302	1211


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

Wiring



- F7 = Filter outdoor air
- VR = Rotary heat recovery unit
- EF = Extract fan
- G3 = Filter extract air
- G4 = Extract/Supply filter (only for VTC unit)
- ETS = Extract air temp. sensor
- SF = Supply fan
- EH = Electric heater
- SS = Supply air temp. sensor
- OT = Overheating thermostat
- ET = Emergency thermostat
- EHS = Exhaust air sensor
- OS = Outdoor air sensor
- BP = Bypass cooker hood
- BD = Bypass integrated cooker hood
- DB = Bypass damper
- RH = Relative humidity sensor
- 1 = Outdoor air
- 2 = Supply air
- 3 = Extract air
- 4 = Exhaust air

Wiring diagram

 [VTC_200_WD_208759_en-GB \(A003\).pdf \(511,07kB\)](#)

Accessories

Electric accessories


CO2RT-R-D Transmitter (6993)
Presence detector/IR24-P (6995)
Push button, impulse (9693)
CEC Cable w/plug 12m (12398)
CEC Cable w/plug 6m (12283)
TG-A130 Surface sensor 0-30°C (5159)
F-T120 Timer frame (5137)
T 120 Timer (5165)
TG-K360 Duct sensor 0-60°C (4846)
U-EK plastic housing AP1R IP54 (30198)
RVAZ4 24A Actuator 0-10V (9862)
PSS48 Transformer 24V (204385)
PSS20 Transformer 24V (202692)
CO2 Sensor Wireless (25126)
Humidity Sensor Wireless (25127)
Input Module Wireless (25128)
SmartDial (25129)
RS485 Gateway Wireless (25130)
Accessory kit Pre-heaterVTC200 (209967)
CE/CD-diverting plug 4pin (37367)


Accessories

ZTR 15-0,4 valve 3-way (9670)
PFVTC 200 F7 Supply (208671)
VBC 125-2 Water heating batt (5457)
CB 125-0,6 230V/1 Duct heater (5289)
CB 125-1,2 230V/1 Duct heater (5290)
CB 125-1,8 230V/1 Duct heater (5377)
ZTV 15-0,4 2-way valve (9829)
VBC 125-3 Water heating batt (9839)
ZTV 15-0,6 2-way valve (6571)
ZTR 15-0,6 valve 3-way (6573)
LDC 125-600 Silencer (5190)
LDC 125-900 Silencer (5191)
Connectduct Ø 125/1,0 M/F (2556)
CWK 125-3-2,5 Duct cooler,circ (30021)
FK 125 Fast clamp (1608)
PFVTC 200 G4 Extract/Supply (208670)
Duct Cover VTC 200 (113227)
CVVX 125 Combi grille, black (26421)
CVVX 125 Combi grille, white (26422)
RDR-80/15-50m³/h (37293)


Documentation


 [SAVE_VTC_200_Installation_and_service_208699_CE_en-GB \(A004\).pdf \(2,15MB\)](#)

 [SAVE_VTC_200_User_guide_208700_en-GB \(A003\).pdf \(1,17MB\)](#)

 [SAVE_VTC200_Pre-heater_kit_installation_guide_209390.pdf \(140,46kB\)](#)

 [CD panel Instruction for wall mounting 206858 GB_SE.pdf \(221,37kB\)](#)

 [Modbus for Residential units_D24810_User_manual \(A005\).pdf \(263,77kB\)](#)

 [Eurovent Certification Diploma 20160125095348,227.pdf \(1,78MB\)](#)

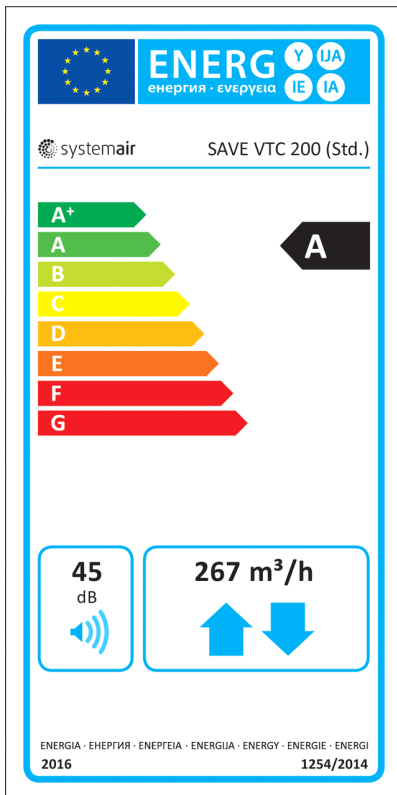
 [PHI certificate SAVE VTC 200 - EN.pdf \(166,11kB\)](#)

 [24803 VTC 200 L.dxf \(2,16MB\)](#)

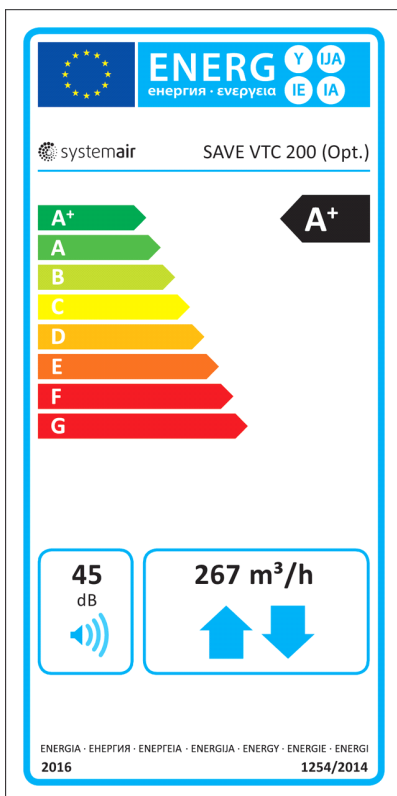
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Energy class label

Energy class, basic unit



Unit with local demand control



EPS diagrams

Specification text