

# SAVE VTC

## Air Handling Unit

200 L&R / 300 L&R / 500 L&R / 700 L&R

### Key Features

#### Unlock even greater efficiency

SAVE AHUs come with different heating and cooling recovery methods. Allowing you to further boost the energy efficiency of your units, wherever they are installed.

#### Performance you can rely on

Our heat exchanger systems automatically regulates the heat/cool recovery and has automatic defrosting functions. Your SAVE AHUs will keep you comfortable inside, no matter the weather on the outside.

#### For buildings big and small

Whether you're building a new home or renovating an apartment block, SAVE air handling units are a perfect match for any indoor spaces up to 550m<sup>2</sup>.

#### Health and safety first

SAVE air handling units are Eurovent certified and ErP compliant, easy to service and maintain. So you can relax – knowing the air you breathe is clean and pure.

#### Full control, from anywhere

All SAVE units come with SAVE Control – multiple, easy-to-use interfaces that let you communicate with your AHUs wherever you are.

#### Warranty

2 years from date of invoice, no extensions.

- Year 1 – Parts and labour.
- Year 2 – Parts only.



**SAVE VTC 200 L&R**  
Left model displayed



**SAVE VTC 300 L&R**  
Left model displayed



**SAVE VTC 500 L&R**  
Left model displayed



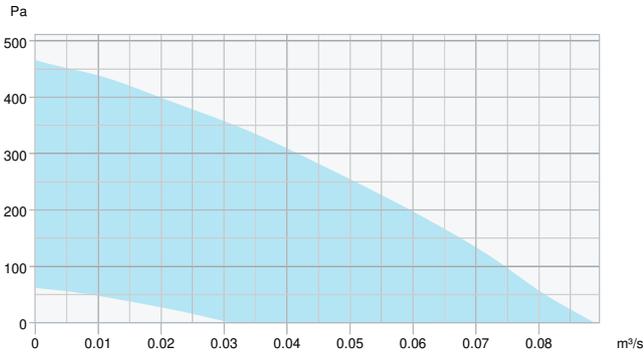
**SAVE VTC 700 L&R**  
Right model displayed

## Technical Parameters

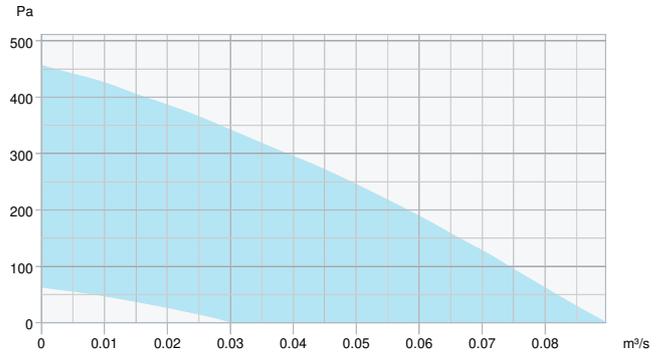
	200 L&R	300 L&R	500 L&R	700 L&R
<b>Unit</b>				
Frequency	50; 60 Hz	50; 60 Hz	50; 60 Hz	50; 60 Hz
Voltage (nominal)	230 V	230 V	230 V	230 V
Phases	1~	1~	1~	1~
Recommended fuse	10 A	10 A	10 A	10 A
Enclosure class	IP24	IP24	IP24	IP24
Speed regulation	Stepless	Stepless	Stepless	Stepless
Product type	Heat recovery unit	Heat recovery unit	Heat recovery unit	Heat recovery unit
Temperature	-15 to 40 °C			
<b>Supply fan</b>				
Input power (P1), supply fan	85 W	85 W	170 W	170 W
<b>Supply air filter</b>				
Filter class, supply air	Coarse 65%	ePM1 60%	ePM1 60%	ePM1 60%
<b>Extract air filter</b>				
Filter class, extract air	Coarse 65%	ePM10 50%	ePM1 50%	ePM10 50%
<b>Exchanger</b>				
Heat exchanger	Counter flow	Counter flow	Counter flow	Counter flow
<b>Return fan / Extract fan</b>				
Input power (P1), extract fan	85 W	85 W	170 W	170 W
<b>Others</b>				
Fan control	Stepless voltage control	Stepless voltage control	Stepless voltage control	Stepless voltage control
Installation type	Vertical	Vertical	Vertical	Vertical
Supply side	Left / Right	Left /Right	Left / Right	Left / Right
<b>Color casing</b>				
Color casing	White	White	White	White
Color casing RAL	RAL 9010	RAL 9010	RAL 9010	RAL 9010
<b>Dimensions and weights</b>				
Weight	47 kg	72 kg	82 kg	151 kg
<b>ErP</b>				
Energy class, Basic unit	A	A+	A	A
Energy class, Local demand	A+	A	A	A+
ErP ready	Left: ErP 2018; ErP 2016 Right: ErP 2016; ErP 2018	Left: ErP 2018; ErP 2016 Right: ErP 2016; ErP 2018	Left: ErP 2018; ErP 2016 Right: ErP 2016; ErP 2018	Left: ErP 2018; ErP 2016 Right: ErP 2016; ErP 2018

**Performance / 200 L&R**

**Supply - Performance curve**

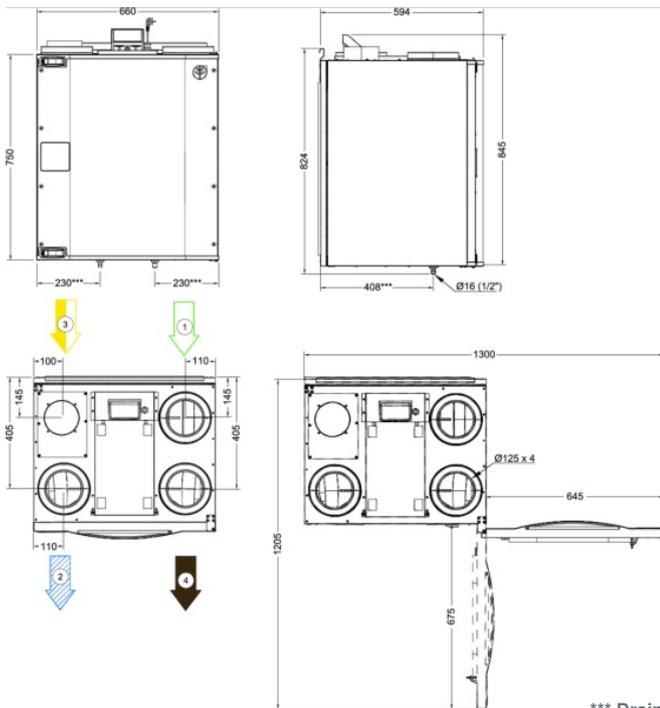


**Extract - Performance curve**

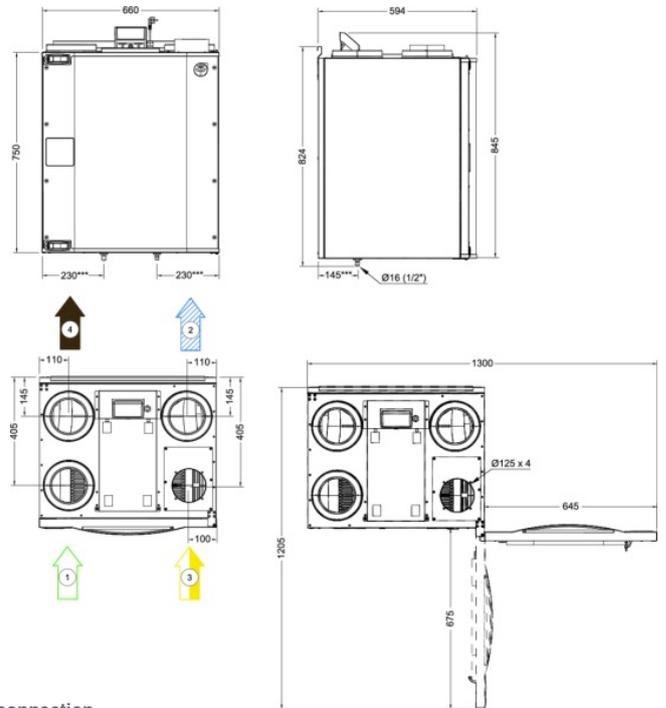


Unit	Supply	Extract
Air density	1.204 kg/m <sup>3</sup>	
Supply air temperature	-20.0 °C	
Sound pressure level (reverberant field)	Total	

**Dimensions / 200 L**



**Dimensions / 200 R**

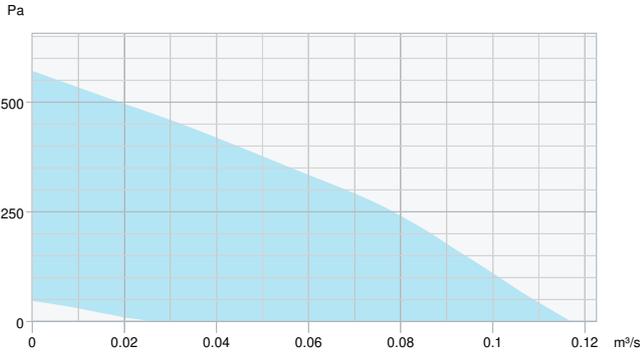


\*\*\* Drainage connection

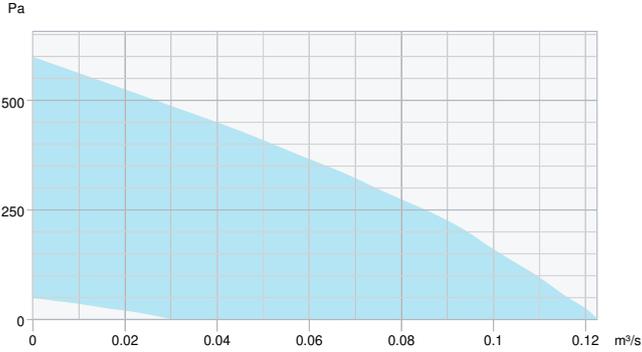
- 1 Outdoor air
- 2 Supply air
- 3 Extract air
- 4 Exhaust air

**Performance / 300 L&R**

**Supply - Performance curve**



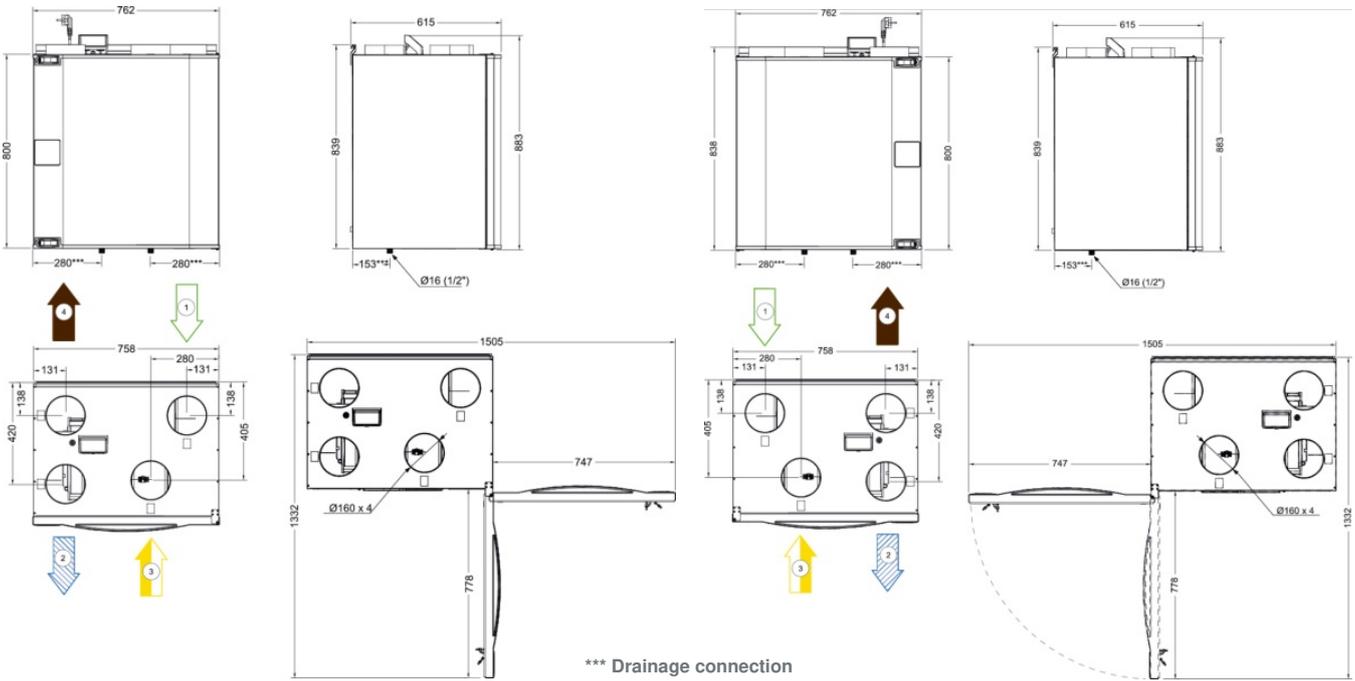
**Extract - Performance curve**



Unit	Supply	Extract
Air density	1.204 kg/m <sup>3</sup>	
Supply air temperature	-20.0 °C	
Sound pressure level (reverberant field)	Total	

**Dimensions / 300 L**

**Dimensions / 300 R**



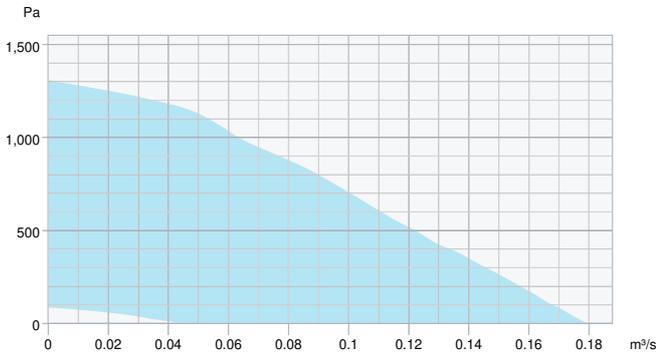
\*\*\* Drainage connection

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

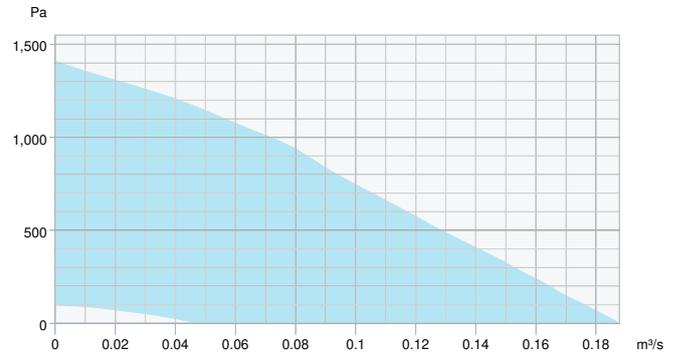


**Performance / 500 L&R**

**Supply - Performance curve**

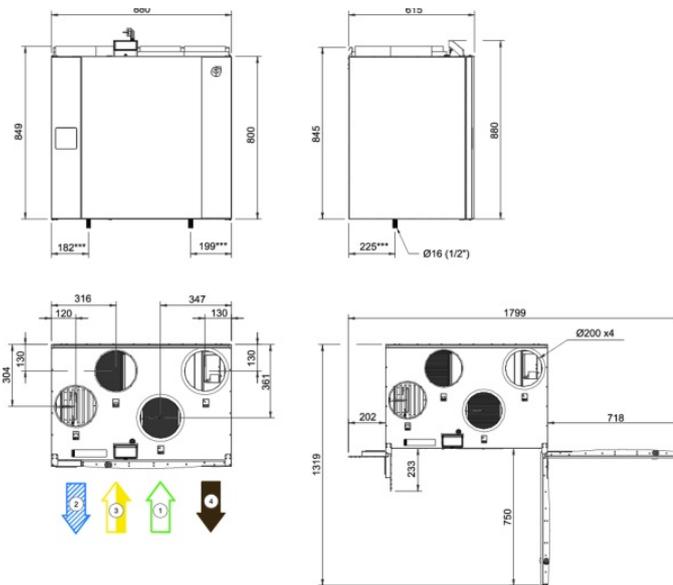


**Extract - Performance curve**

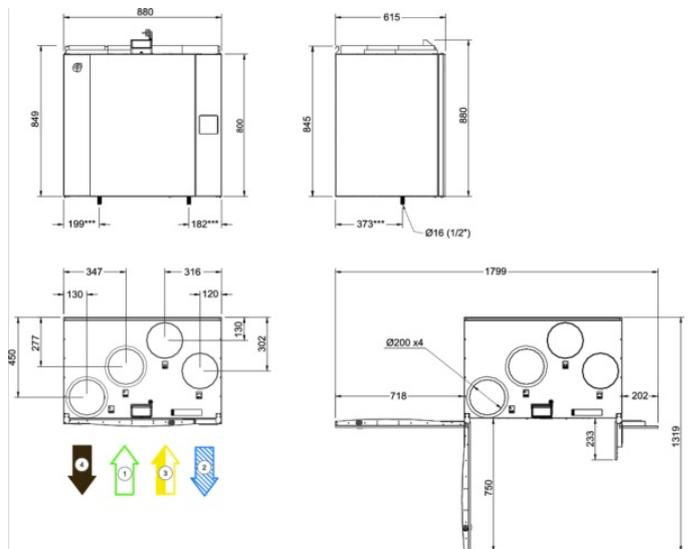


Unit	Supply	Extract
Air density	1.204 kg/m <sup>3</sup>	
Supply air temperature	-20.0 °C	
Sound pressure level (reverberant field)	Total	

**Dimensions / 500 L**



**Dimensions / 500 R**

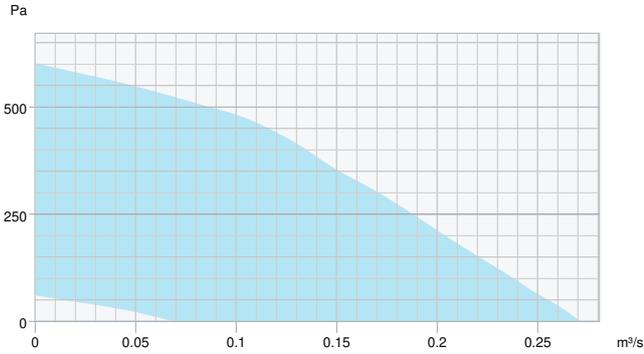


\*\*\* Drainage connection

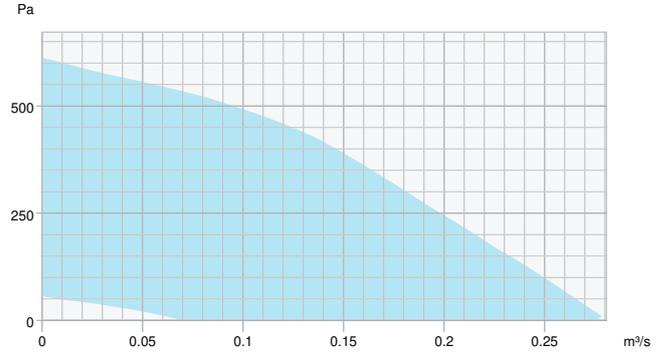
- 1 Outdoor air
- 2 Supply air
- 3 Extract air
- 4 Exhaust air

**Performance / 700 L&R**

**Supply - Performance curve**

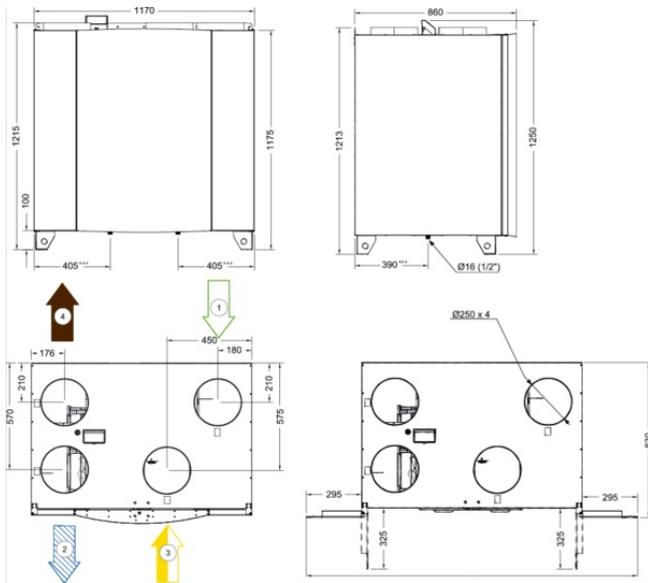


**Extract - Performance curve**

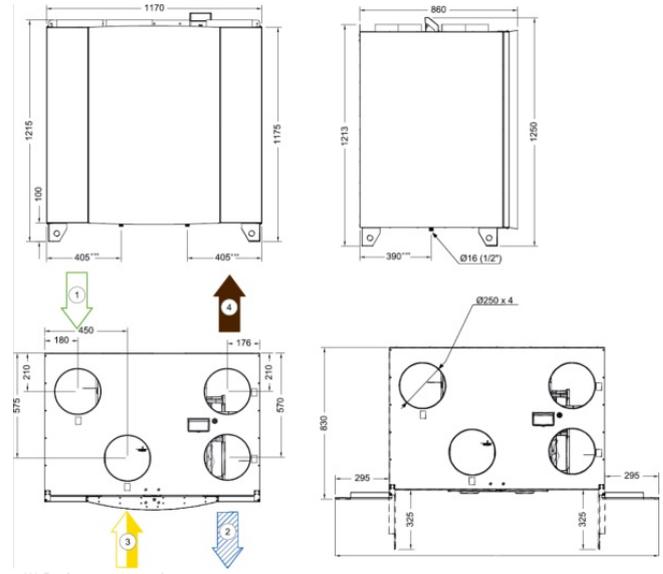


Unit	Supply	Extract
Air density	1.204 kg/m <sup>3</sup>	
Supply air temperature	-20.0 °C	
Sound pressure level (reverberant field)	Total	

**Dimensions / 700 L**



**Dimensions / 700 R**



\*\*\* Drainage connection

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

## Specification

Filter kits / 200	Filter kits / 300
<ul style="list-style-type: none"> <li>• 239542 PF STD kit (G4/Coarse 65% supply and G4/Coarse 65% extract)</li> <li>• 239543 PF OPT kit (accessory) (F7/ePM1 60% supply and G4/Coarse 65% extract)</li> </ul> <p><b>SAVE VTC 200</b> is designed for ventilated areas up to 180 m<sup>2</sup>.</p>	<ul style="list-style-type: none"> <li>• 317699 PF STD kit (F7/ePM1 60% supply and M5/ePM10 50% extract)</li> <li>• 317700 PF OPT kit 1 (accessory) (F8/ePM1 70% supply and M5/ePM10 50% extract)</li> <li>• 317701 BF OPT kit 2 (accessory) (F7/ePM1 60% supply and M5/ePM10 50% extract)</li> </ul> <p><b>SAVE VTC 300</b> is perfect for ventilating areas up to 240 m<sup>2</sup>.</p>
Filter kits / 500	Filter kits / 700
<ul style="list-style-type: none"> <li>• 161251 PF STD kit (F7/ePM1 60% supply and M5/ePM10 50% extract)</li> <li>• 161252 PF OPT kit (accessory) (F8/ePM1 70% supply and M5/ePM10 50% extract)</li> </ul> <p><b>SAVE VTC 500</b> are perfect for ventilating areas up to 400 m<sup>2</sup>.</p>	<ul style="list-style-type: none"> <li>• 145849 PF STD kit (F7/ePM1 60% supply and M5/ePM10 50% extract)</li> <li>• 145924 PF OPT kit 1 (accessory) (F8/ePM1 70% supply and M5/ePM10 50% extract)</li> <li>• 317703 BF OPT kit 2 (accessory) (F7/ePM1 60% supply and M5/ePM10 50% extract)</li> </ul> <p><b>SAVE VTC 700</b> is perfect for ventilated areas up to 550 m<sup>2</sup>.</p>

Key components / 200	Key components / 300
<ul style="list-style-type: none"> <li>• 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 loss. All components can be easily removed for maintenance and service. The unit is equipped with a high efficiency counter flow heat exchanger. Energy efficient fans with EC motors as well as low-pressure filters reduce the energy consumptions and ensures low SFP factor (Specific Fan Power) and sound level. The built-in humidity sensor in extract air can be used for demand control.</li> <li>• The unit can be operated in a variety of ways.</li> </ul>	<ul style="list-style-type: none"> <li>• SAVE VTC 300 has white painted double skinned panels. Maintenance is effortless with easily removable components.</li> <li>• The unit is equipped with a high efficiency counter flow heat exchanger. Energy efficient fans with EC motors as well as low-pressure filters reduce the energy consumptions and ensures low SFP factor (Specific Fan Power) and sound level.</li> <li>• The built-in humidity sensor in extract air can be used for demand control.</li> </ul>
Key components / 500	Key components / 700
<ul style="list-style-type: none"> <li>• SAVE VTC 500 has white painted double skinned panels. The unit is equipped with a high efficiency counter flow heat exchanger. Energy efficient fans with EC motors as well as low-pressure filters reduce the energy consumptions and ensures low SFP factor (Specific Fan Power) and sound level. The built-in humidity sensor in extract air can be used for demand control.</li> <li>• SAVE VTC 500 can be supplemented with a built-in electrical re-heater which is available as an accessory.</li> </ul>	<ul style="list-style-type: none"> <li>• SAVE VTC 700 has white painted double skinned panels. The unit is equipped with a high efficiency counter flow heat exchanger. Energy efficient fans with EC motors as well as low-pressure filters reduce the energy consumptions and ensures low SFP factor (Specific Fan Power) and sound level.</li> <li>• The built-in humidity sensor in extract air can be used for demand control.</li> <li>• SAVE VTC 700 can be supplemented with a built in electrical re-heater which is available as an accessory (4,5 kW, 400 V 3~ power supply is required).</li> </ul>

## Specification 200 / 300 / 500 / 700

Take control of your SAVE residential ventilation unit with the user-friendly SAVE CONNECT app. Adjust and manage your unit remotely, making home ventilation simpler and more convenient than ever.

Rest assured, the SAVE unit comes with the SAVE CONNECT module included, putting remote control firmly in your hands.

### MAIN FEATURES

- High energy-efficiency rotary heat exchanger with EC technology fans
- Demand control regulation with the built-in humidity sensor
- Moisture transfer function to minimize condensation in supply air during wintertime
- Remote control via the SAVE CONNECT app
- Optional SAVE TOUCH and SAVE LIGHT control panels
- Local control and configuration via WEB interface
- Connection board for easy access and connection of accessories
- Modbus communication RS-485 as standard
- Eurovent Certification

### EXPAND YOUR CONTROL WITH ADDITIONAL PANELS

You can choose and buy these panels separately, adding more convenience to your setup.

**SAVE LIGHT** – control panel for basic functions to keep things simple and easy. You can control the airflow, get alerts for general alarms and filter changes.

**SAVE TOUCH** – Take it up a notch with the **SAVE TOUCH** panel. It has a touch screen that lets you control everything and mirrors functionality of the **SAVE CONNECT** app. You can see info like airflow, temperature, and air quality. Each control method is optional and has to be ordered separately as an accessory.

A six meter cable for the external control panel connection is already included with the unit.

### SIMPLE INSTALLATION SOLUTIONS

- The unit can be installed on the floor and preferably in a storeroom or laundry room. Left and right-handed models are available.
- Our external connection board comes ready with prewired inputs and outputs, making it a breeze to set up external sensors, heaters, coolers, and more. Embrace hassle-free installation and harness the power of customization.

### DEFROSTING / VTC 200

- The unit has an automatic defrosting function with 3 different modes to choose from, depending on the indoor environment as well as the outdoor conditions.

Without a preheater, the unit works down to 0°C in tight houses / passive houses where unbalanced airflow is not allowed. When airflow unbalance is allowed, without a preheater the unit works down to -3 °C. Below -3 °C a preheater is always needed. The pre-heater and a CB Preheater Connection kit can be ordered as accessories.

### DEFROSTING / 300 / 500 / 700

- The product has an automatic defrost function with 3 different modes for different indoor environments as well as the outdoor conditions.
- The pre-heater is always recommended for frost protection when the outside air temperature is below -15 °C. The pre-heater increases the intake air temperature and reduces the need for the defrost function. During the defrosting process the supply air fan may be stopped periodically to remove frost from the heat exchanger.
- When the unbalanced airflow is not desired, for example in tight or passive houses, the pre-heater is always required when the outside air temperature is -5 °C to prevent supply air fan from stopping during defrost mode.
- The pre-heater and a CB Preheater Connection kit can be ordered as accessories.



**Talk to our sales and distribution partner today.**

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**Supporting you at every install.**

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