

SAVE VSC

Air Handling Unit

100/200/300

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 550m².

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.

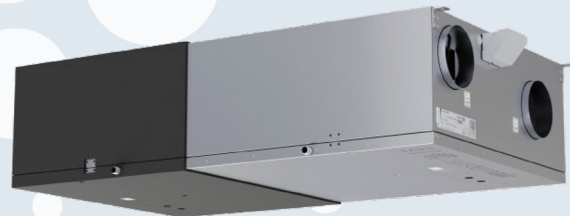
Warranty

2 years from date of invoice, no extensions.

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



SAVE VSC 100



SAVE VSC 300

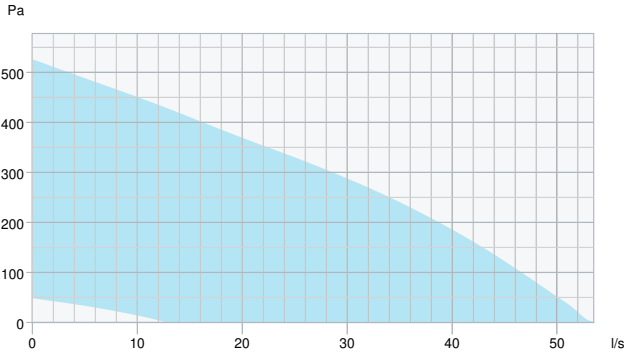


SAVE VSC 200

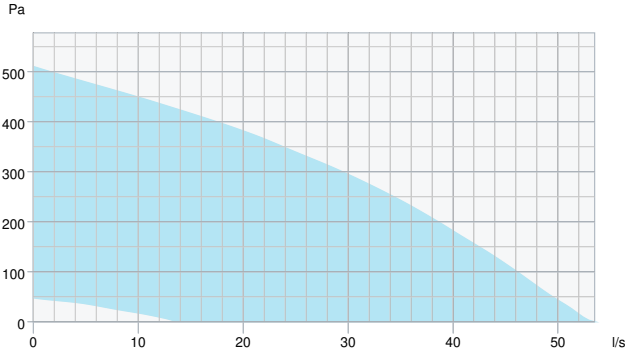
Technical Parameters	100	200	300
Unit			
Frequency	50 Hz	50 Hz	50 Hz
Voltage (nominal)	230 V	230 V	230 V
Phases	1~	1~	1~
Recommended fuse	10 A	10 A	10 A
Enclosure class	IP24	IP24	IP24
Speed regulation	Stepless	Stepless	Stepless
Air flow [m ³ /h]	0.0278 m ³ /s	0.0556 m ³ /s	0.0833 m ³ /s
Product type	Heat recovery unit	Heat recovery unit	Heat recovery unit
Supply fan			
Input power (P1), supply fan	27 W	83 W	115 W
Supply air filter			
Filter class, supply air	ePM1 60%	ePM1 60%	ePM1 60%
Extract air filter			
Filter class, extract air	ePM10 50%	ePM10 50%	ePM10 50%
Exchanger			
Heat exchanger	Counter flow	Counter flow	Counter flow
Connections			
Duct dimension; Circular, inlet	125 mm	125 mm	160 mm
Duct dimension; Circular, outlet	125 mm	125 mm	160 mm
Return fan / Extract fan			
Input power, extract fan	27 W	83 W	115 W
Others			
Fan control	Stepless voltage control	Stepless voltage control	Stepless voltage control
Installation type	False ceiling	False ceiling	False ceiling
Supply side	Right; Left	Left; Right	Right; Left
Color casing			
Color casing	Galvanized steel	Galvanized steel	Galvanized steel
Dimensions and weights			
Weight	47 kg	70 kg	80 kg
ErP			
Energy class, Basic unit	A	A	A
Energy class, Local demand	A+	A	A
ErP ready	ErP 2018	ErP 2018; ErP 2016	ErP 2018

Performance / 100

Supply - Performance curve

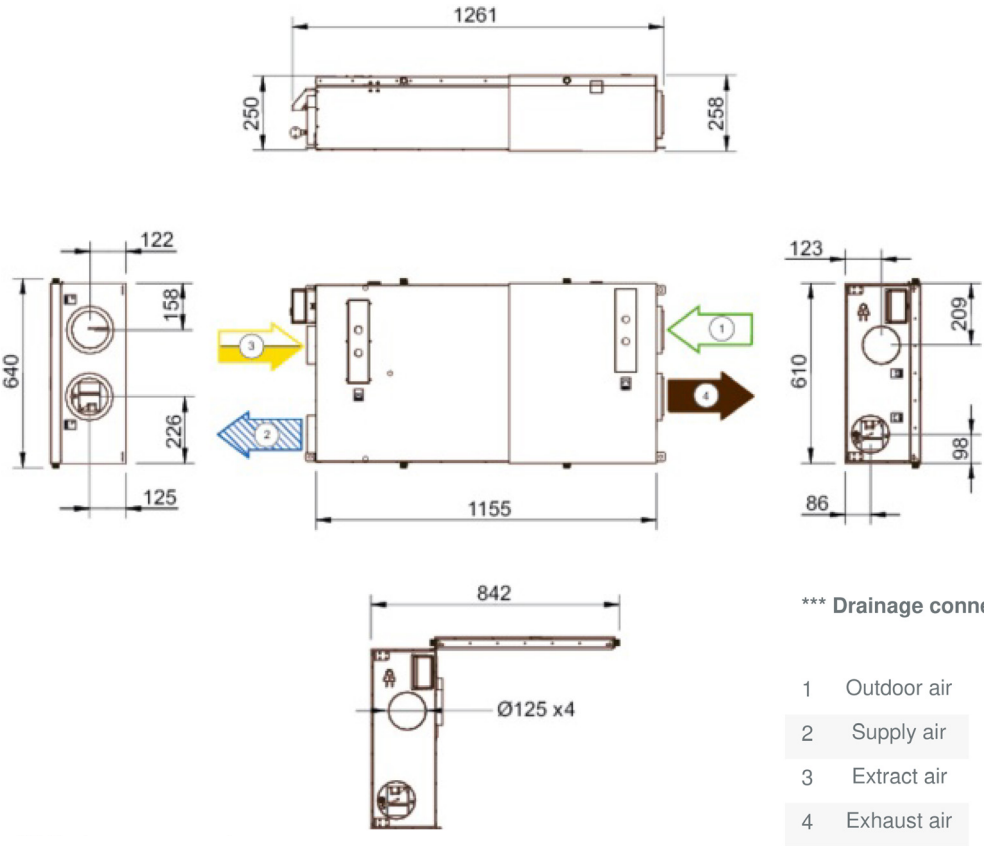


Extract - Performance curve



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

Dimensions / 100



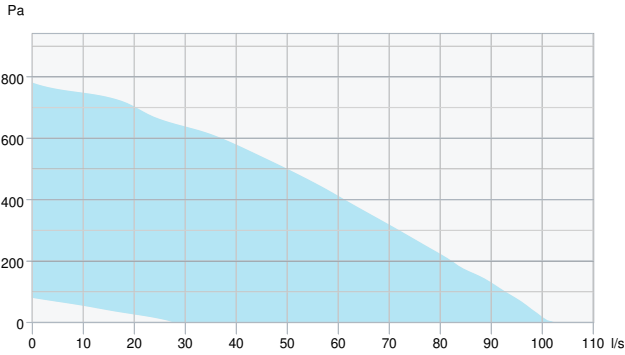
*** Drainage connection

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

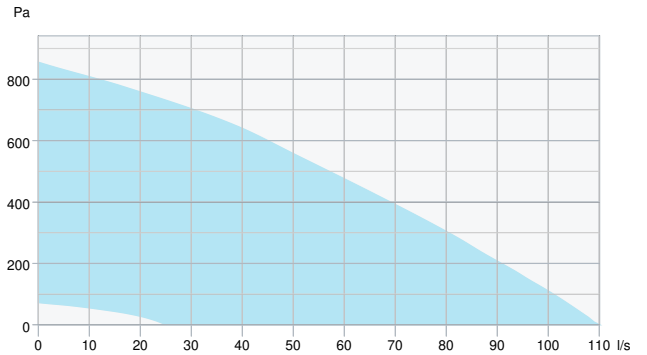


Performance / 200

Supply - Performance curve

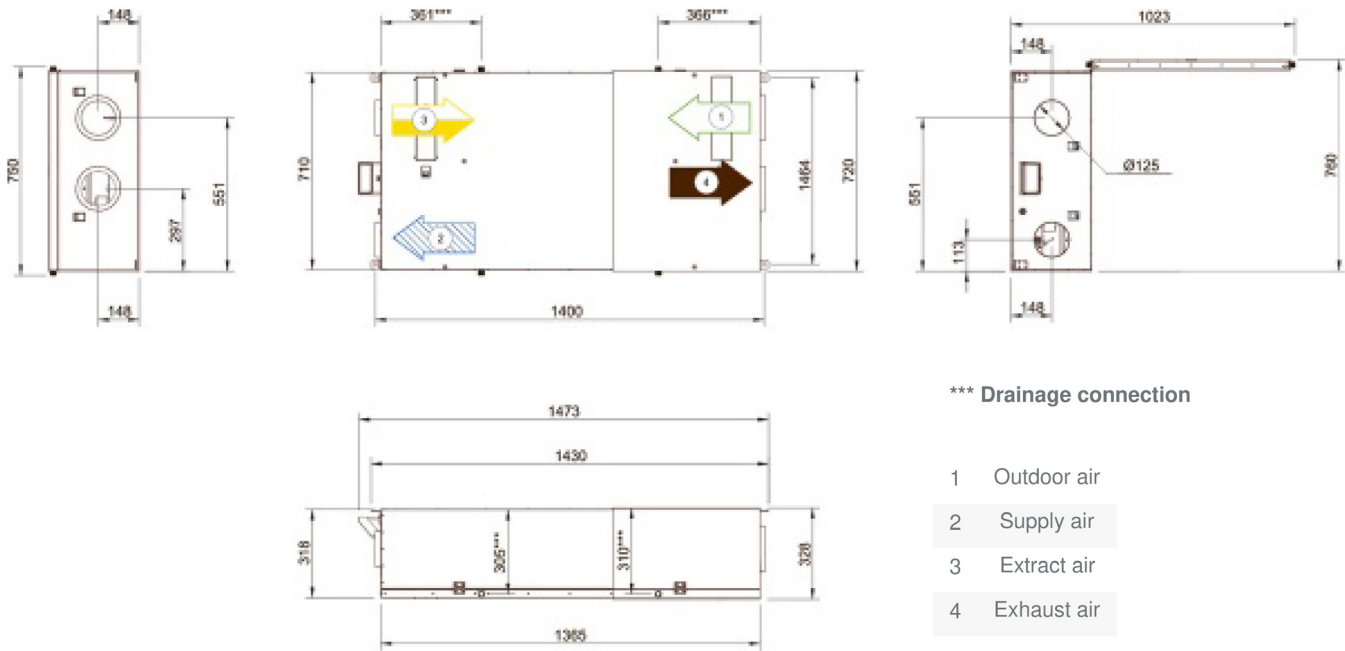


Extract - Performance curve



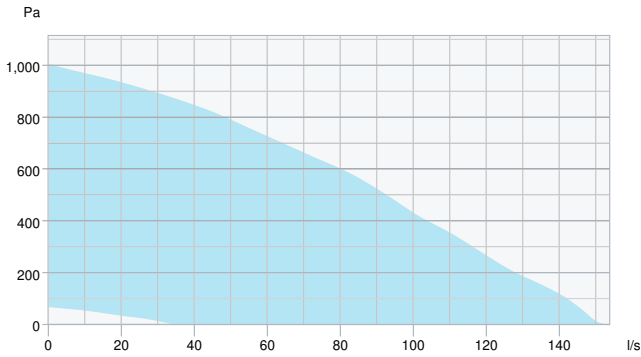
Unit	Supply	Extract
Air density	1.204 kg/m ³	
Supply air temperature	-20.0 °C	
Sound pressure level (reverberant field)	Total	

Dimensions / 200

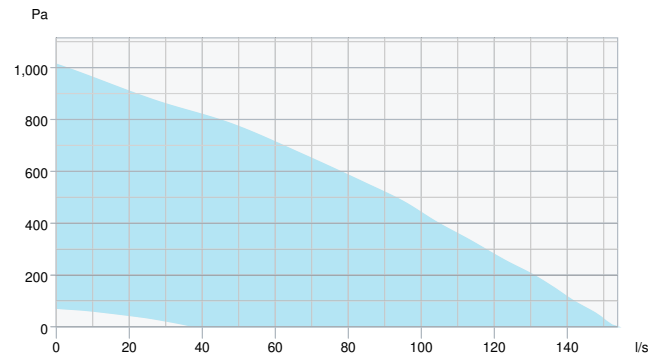


Performance / 300

Supply - Performance curve

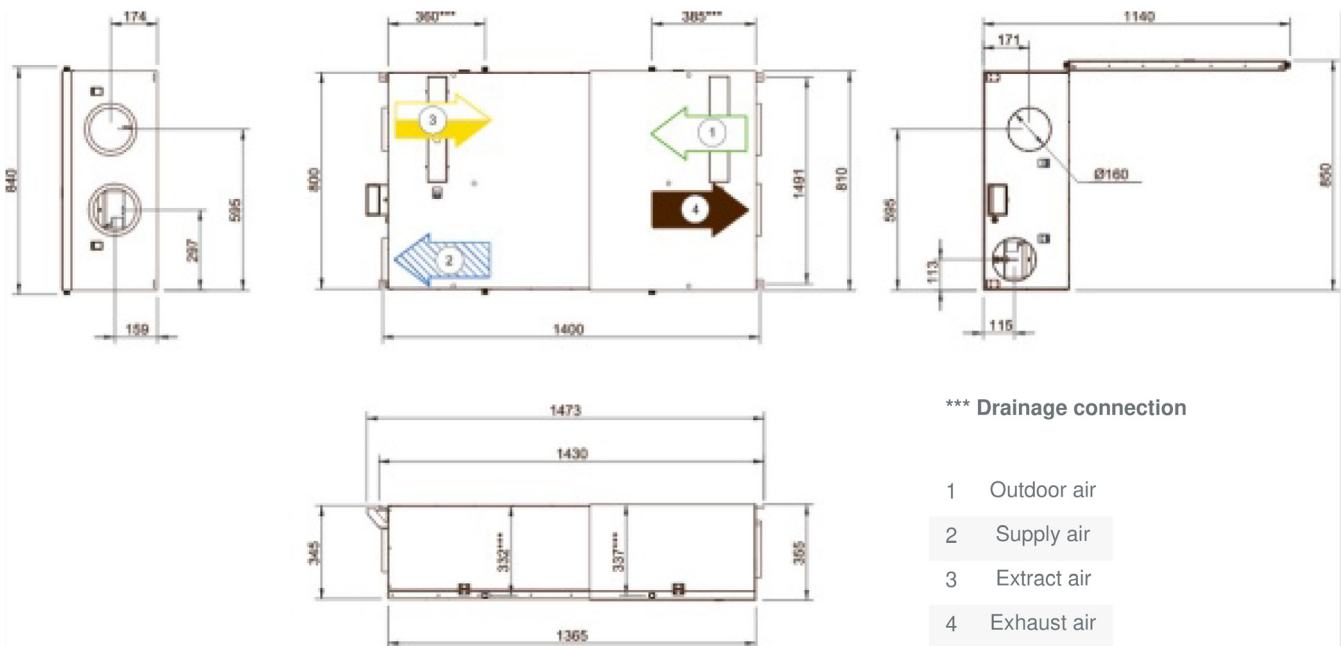


Extract - Performance curve



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

Dimensions / 300



Specification

Filter kits / 100	Filter kits / 200	Filter kits / 300
<ul style="list-style-type: none"> • 239523 PF STD kit (F7/ePM1 60% supply and M5/ePM10 50% extract) • 239524 PF OPT kit (accessory) (F7/ePM1 70% supply and M5/ePM10 50% extract) <p>SAVE VSC 100 is designed for ventilated areas up to 100 m</p>	<ul style="list-style-type: none"> • 251905 PF STD kit (F7/ePM1 60% supply and M5/ePM10 50% extract) • 251906 PF OPT kit (accessory) (F7/ePM1 70% supply and M5/ePM10 50% extract) <p>SAVE VSC 200 is designed for ventilated areas up to 200 m</p>	<ul style="list-style-type: none"> • 251909 PF STD kit (F7/ePM1 60% supply and M5/ePM10 50% extract) • 251910 PF OPT kit (accessory) (F7/ePM1 70% supply and M5/ePM10 50% extract) <p>SAVE VSC 300 is designed for ventilated areas up to 320 m²</p>

Specification / 100 / 200 / 300

MAIN FEATURES

- High energy-efficiency counter flow heat exchanger and EC technology fans
- Demand control regulation with the built-in humidity sensor
- Automatic defrosting
- Multiple control options to choose from
- Connection board for easy access and connection of accessories
- Modbus communication RS-485 as standard
- Eurovent Certification

THE UNIT CAN BE OPERATED IN 3 WAYS

- **SAVE LIGHT** – control panel for basic functions such as airflow control, general alarm and filter change indication.
- **SAVE TOUCH** – control panel with touch screen and full access to all functions and settings. The home screen displays information such as airflow, temperature, air quality and active functions. You can select between MANUAL and AUTO mode or select preferred settings from the pre-configured user modes and much more.
- **SAVE CONNECT** – Home solutions by Systemair mobile application and Internet Access Module for wireless control of the SAVE unit. The mobile application mirrors functionality of SAVE TOUCH control panel and allows you to access all control functions on your smartphone.

Each control method is optional and have to be ordered separately as an accessory. 6 meter cable for the control panel connection to the unit is included with the unit.

INSTALLATION

- The unit can be installed under the ceiling.
- External connection board that has prewired inputs and outputs allows easy installation and setup of external sensors as well as external heaters / coolers and other accessories.

COMPONENTS

The casing is built of sheet metal and well insulated against condensation. 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.

DEFROSTING

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.



Talk to our sales and distribution partner today.

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energylabuk.com • [in @the-energy-lab-solutions](https://www.linkedin.com/company/the-energy-lab-solutions)

Supporting you at every install.

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