



SAVE Air Handling Units

Crisp, fresh, and clean air for every home.



[Find more details in our online catalogue](#)

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're 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.

Technical parameters

Unit		
Frequency	50	Hz
Voltage (nominal)	230	V
Phases	1~	
Recommended fuse	10 A	
Enclosure class	IP24	
Speed regulation	Stepless	
Product type	Heat recovery unit	
Supply fan		
Input power (P1), supply fan	85	W
Supply air filter		
Filter class, supply air	Coarse 65%	
Extract air filter		
Filter class, extract air	Coarse 65%	
Exchanger		
Heat exchanger	Counter flow	
Return fan / Extract fan		
Input power (P1), extract fan	85	W
Others		
Fan control	Stepless voltage control	
Installation type	Vertical	
Supply side	Left	
Color casing		
Color casing	White	
Color casing, RAL	RAL 9010	
Dimensions and weights		
Weight	47	kg

ErP

Energy class, Basic unit	A
Energy class, Local demand	A+
ErP ready	ErP 2018; ErP 2016

Ecodesign

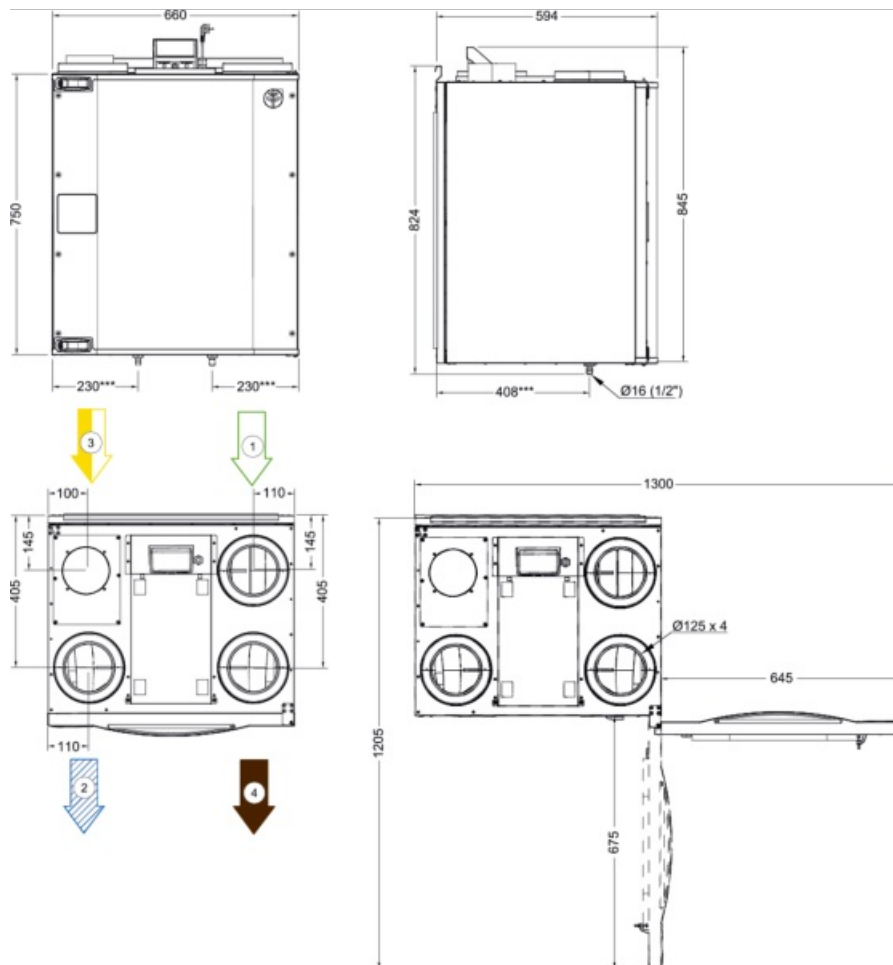
Product

Trade name	Systemair
Product name	SAVE VTC 200 L

Basic unit		
ErP compliance	2018	
SEC Average	-39.9	kWh/(m².a)
SEC Cold	-84.7	kWh/(m².a)
SEC Warm	-14.2	kWh/(m².a)
SEC Class	A	
Unit category	RVU	
Unit type	BVU	
Drive	Integrated VSD	
Heat recovery type	Recuperative	
Temperature ratio	92	%
qv max	267	m³/h
P max	142	W
Sound power (LWA)	45	dB(A)
qv ref	0.052	m³/s
Ps ref	50	Pa
SPI	0.287	W/(m³/h)
CTRL	0.85	
MISC	1.1	
x-value	2	
External Leakage	2	%
Internal Leakage	1	%
Type of product	RAHU/AAHE	
AEC average	304	kWh
AEC cold	843	kWh
AEC warm	259	kWh
AHS Average	4,684	kWh/a
AHS Cold	9,163	kWh/a
AHS Warm	2,118	kWh/a

Units with local demand control		
ErP compliance	2018	
SEC Average	-43.1	kWh/(m².a)
SEC Cold	-88.4	kWh/(m².a)
SEC Warm	-17.2	kWh/(m².a)
SEC Class	A+	
Unit category	RVU	
Unit type	BVU	
Drive	Integrated VSD	
Heat recovery type	Recuperative	
Temperature ratio	92	%
qv max	267	m³/h
P max	142	W
Sound power (LWA)	45	dB(A)
qv ref	0.052	m³/s
Ps ref	50	Pa
SPI	0.287	W/(m³/h)
CTRL	0.65	
MISC	1.1	
x-value	2	
External Leakage	2	%
Internal Leakage	1	%
Type of product	RAHU/AAHE	
AEC average	197	kWh
AEC cold	735	kWh
AEC warm	152	kWh
AHS Average	4,735	kWh/a
AHS Cold	9,263	kWh/a
AHS Warm	2,141	kWh/a

Dimension

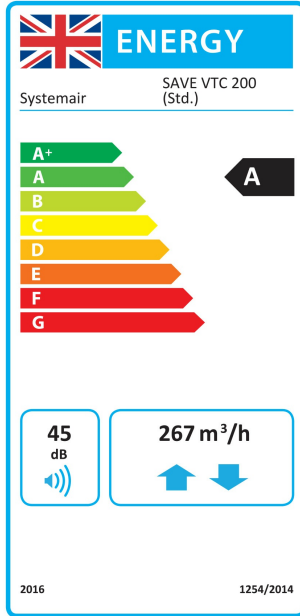


*** Drainage connection

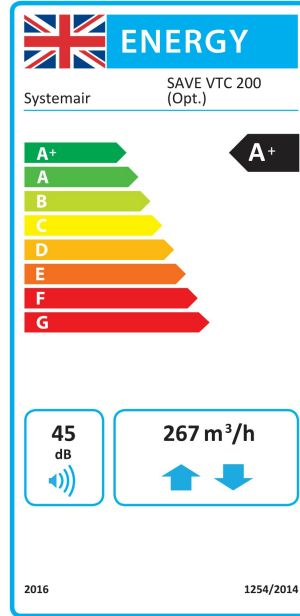
- 1 Outdoor air
- 2 Supply air
- 3 Extract air
- 4 Exhaust air

Energy class label

Energy class, Basic unit



Energy class, Local demand



Accessories

- SAVE LIGHT Black (319119)
- SAVE TOUCH Black (138078)
- CB heater connection kit 1 ~ (142852)
- PSS20 Transformer 24V (202692)
- Systemair-E CO2 sensor (14904)
- VBC 125-3 Water heating batt (9839)
- CB 125-1,2 230V/1 Duct heater (5290)
- CEC Cable w/plug 12m (24782)
- CEC Cable w/plug 6m (24783)
- FK 125 Fast clamp (1608)
- LDC 125-900 Silencer (5191)
- CVVX 125 Combi grille, black (26421)
- Duct Cover VTC 200 (113227)
- SPI-125 C Iris damper (6751)
- TUNE-R-125-3-M2 (311948)
- TUNE-R-125-3-M5 (311978)
- ZTR 15-0,6 valve 3-way (6573)
- ZTV 15-0,6 2-way valve (6571)
- SAVE LIGHT White (319118)
- SAVE TOUCH White (138077)
- Presence detector/IR24-P (6995)
- SAVE Wall Mounted Kit (140736)
- VAV/CAV conversion kit (140777)
- CB 125-0,6 230V/1 Duct heater (5289)
- CB 125-1,8 230V/1 Duct heater (5377)
- CEC Cable w/plug 15m (306594)
- CWK 125-3-2,5 Duct cooler,circ (30021)
- LDC 125-600 Silencer (5190)
- VBC 125-2 Water heating batt (5457)
- CVVX 125 Combi grille, white (26422)
- RVAZ4 24A Actuator 0-10V (9862)
- TUNE-R-125-3-M1 (311938)
- TUNE-R-125-3-M4 (311968)
- ZTR 15-0,4 valve 3-way (9670)
- ZTV 15-0,4 2-way valve (9829)

Documents

- SAVE Touch_quick_guide_20181211.pdf
- Control panel installation quick guide
- Energy label placement quick guide
- Modbus variable list
- SAVE_VTC_200_INSTALLATION_EN_V01_20210316.PDF
- SAVE_VTC_200_SERVICE_AND_ACCESSORIES_INSTALLATION_EN_V1_1.PDF
- SAVE_VTC_200_USER_MANUAL_EN_V01_20210316.PDF
- Systemair_SAVE VTC 200_disassembly_EN_SE_DE_NO_FI_20181207.pdf
- 88281_SAVE_VTC200_L.dxf
- Certificate Passive House Institute - SAVE VTC 200
- Eurovent Certification Diploma
- Commissioning record
- Technical fiche
- SAVE_VTC_200_SCHEMA.PDF
- UK_declaration_of_conformity
- WD_VTC_200_MUL_20210315_075213095.PDF

Specification

Filter kits:

239542 PF STD kit (G4/Coarse 65% supply and G4/Coarse 65% extract)

239543 PF OPT kit (accessory) (F7/ePM1 60% supply and G4/Coarse 65% extract)

SAVE VTC 200 is designed for ventilated areas up to 180 m².

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
- Passive House and 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. The unit is prepared for control panel installation in the front door. The cable for external control panel installation is not included and has to be ordered separately.

INSTALLATION

The unit can be installed on the wall and preferably in a storeroom or laundry room. Mounted on a wall. Left and right handed models are available. 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. 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.

The unit can be operated in a variety of ways:

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.