

Home Solutions for Residential Ventilation

Counterflow Product Range with Enthalpy Heat Exchangers



WHY YOU SHOULD CHOOSE SAVE

The Eurovent-certified and ErP-compliant (1253:2014, 1254:2014) SAVE series offers a comprehensive range of residential air handling units designed to meet diverse application needs.

High efficiency and low energy consumption

SAVE units are engineered for high energy efficiency and low Specific Fan Power (SFP), certified by the Eurovent programme for residential applications in accordance with EN 13141-7:2010. Equipped with advanced EC fan technology, the units ensure optimised performance across the entire operating range. This enables precise airflow control, low sound levels and reliable long-term operation, contributing to reduced energy use and improved indoor air quality.

Flexible application range

The SAVE series is designed to suit both new-build and renovation projects, offering flexible installation options across a wide range of residential applications.

Modern design

With a clean, contemporary design, selected SAVE units are developed to integrate seamlessly into modern living environments.

Smart and user-friendly control

SAVE units are delivered with the SAVE CONNECT 3.0 module as standard, enabling control via mobile app and providing professionals with a unified overview of multiple installations through the SAVE PRO portal. Internet connectivity allows for over-the-air updates and remote technical support. For local control, units can be complemented with the SAVE TOUCH display or the SAVE LIGHT control panel, while the integrated web interface simplifies commissioning and troubleshooting.

We take our environmental responsibility seriously



Eurovent examines air conditioning and ventilation products' energy efficiency and performance. The Eurovent certificate is proof of high quality and performance of the product in accordance with specified design. All Systemair residential units are Eurovent-certified.



EC technology is straightforward and ecologically effective, with no compromises in quality or functionality. All SAVE units are equipped with energy-efficient fan motors with modern EC technology.



EU's Ecodesign Directive aims to reduce the environmental impact of products, including the energy consumption during the entire product life cycle. As a European manufacturer of fans, Systemair has been preparing for the transition to the new EU directive and we are now well-positioned to adapt to relevant requirements.



At Systemair, we are aware of our responsibility towards the environment. Our main contribution to modern environmental protection is efficient use of energy. The Green Ventilation symbol identifies intelligent technology in harmony with the environment.

COUNTERFLOW HEAT EXCHANGERS SAVE UNITS

Principle of operation

Counterflow heat exchangers are engineered to achieve high efficiency, low leakage and long-term mechanical stability. They are constructed from aluminum, plastic or advanced polymer materials, with precisely formed flow channels that maximize the heat-transfer surface while maintaining controlled air velocities. The plate geometry is designed to promote a balanced level of turbulence, which increases the heat-transfer coefficient while keeping the pressure drop within acceptable limits for fan performance.

Supply and extract air are fully separated, but minor internal leakage may occur due to manufacturing tolerances and pressure differences - typically below 1%.

Enthalpy counter flow heat exchangers

Enthalpy heat exchangers transfer both sensible and latent heat via polymer membranes that allow vapour diffusion. These membranes have controlled pore structures that allow moisture transfer but block particles, microorganisms and gases from migrating between channels. High chemical resistance and stable vapor-transmission characteristics ensure hygienic operation.

In winter, humidity is recovered from the extract air, preventing dry indoor conditions. In summer, incoming humid air is partly dehumidified, improving comfort. Because condensation is avoided, no condensate drain is required.

Since some moisture is returned, these exchangers are less prone to frost, and their freezing point is significantly lower than a conventional exchanger. However, active frost protection – such as preheating or bypass control – is still required.

Depending on the outdoor and extract conditions, not all water vapor may be transferred through the membrane. Therefore, a drip tray is typically installed on the exhaust side of the exchanger to manage any condensate. Their lower freezing point also reduces energy demand compared to aluminium or plastic plate heat exchangers.

Aluminum and plastic counter flow heat exchangers

Counterflow heat exchangers made of aluminum or plastic transfer sensible heat between supply and extract air with efficiencies of up to 90%. Whenever the exhaust-air dewpoint falls below the plate surface temperature, condensate forms inside the channels. For this reason, the system must include correctly sized drainage points and water-sealed siphons to prevent backflow of air.

When condensate freezes, frost protection becomes necessary, typically below -3°C . This can be achieved by preheating outdoor air, using a bypass with reheating, or, more efficiently, a brine-to-air ground exchanger.

Fan-speed reduction for frost control is no longer effective in airtight modern homes. Frost protection always results in energy use and added costs.

Counterflow heat exchangers are core components of modern mechanical ventilation units. These engineering principles support efficient and reliable operation ensuring high recovery performance, reduced energy demand, and consistent indoor-air comfort across a wide range of climates.

Aluminum and plastic counterflow units maximize **energy efficiency**, while enthalpy versions enhance comfort by **recovering moisture**. The optimal choice depends on climate, building tightness, and humidity requirements, balancing efficiency, frost protection, and indoor air quality.

Energy-efficient ventilation for all kinds of homes



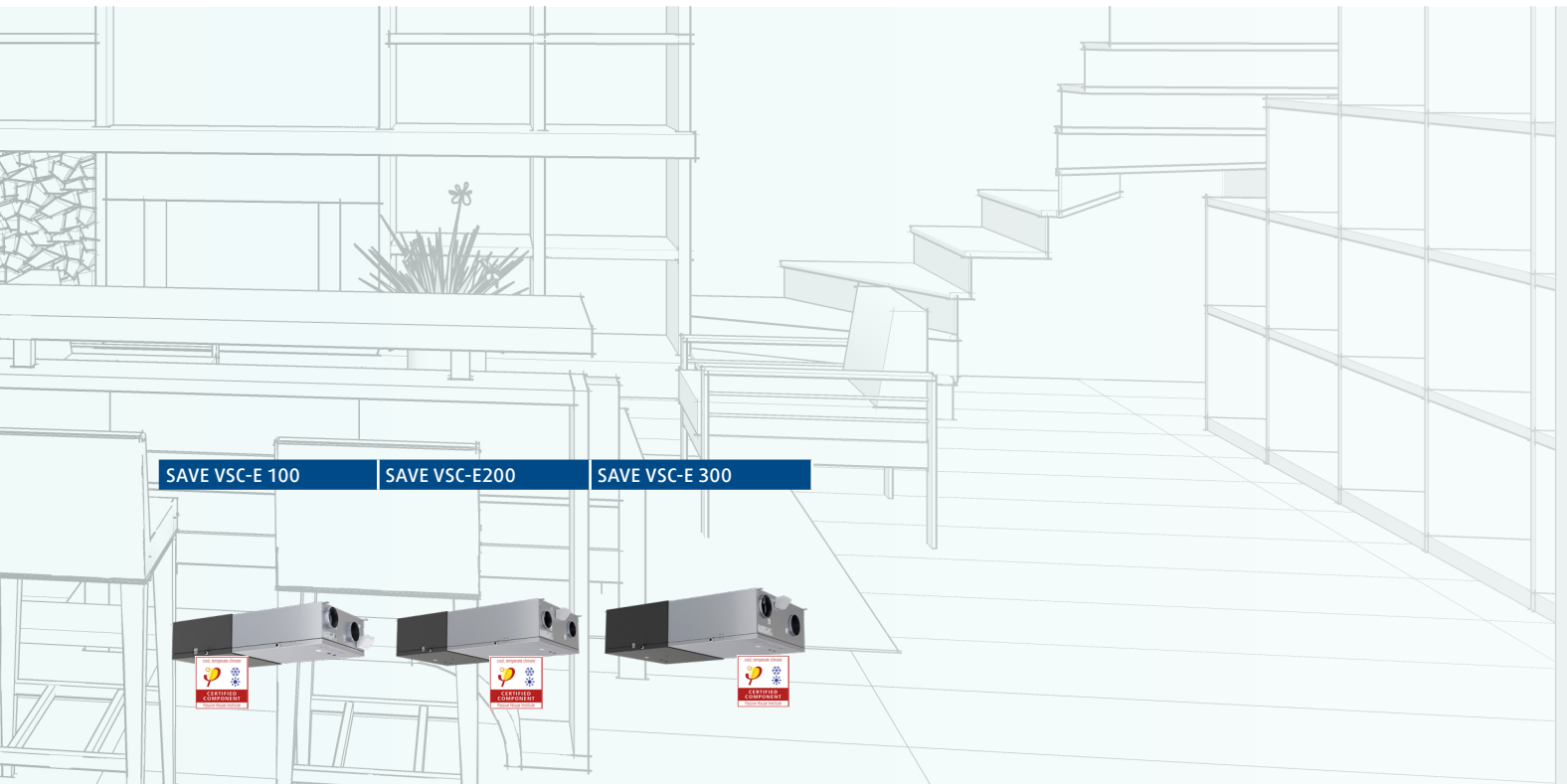
The Eurovent-certified SAVE series includes a wide selection of energy-efficient ventilation units with modern designs to suit both houses and apartment blocks. All SAVE units surpass market requirements for a healthy indoor climate and low energy consumption. All units are suitable for use in both new and renovated buildings and always come preprogrammed, tested and ready to install. All you have to do is "plug & breathe".

Air handling unit	SAVE VTC-E 200-1	SAVE VTC-E 300	SAVE VTC-E 500	SAVE VTC-E 700
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Energy efficiency class					
Standard unit		A	A	A	A
Standard unit with accessories		A	A+	A	A+
Technical data					
Design up to living space	m ²	180	240	400	550
Qref at 50 Pa	l/s m ³ /h	56/200	71/255	117/421	166/599
Qmax at 100 Pa	l/s m ³ /h	79/285	101/364	167/602	237/856
Sound power level (LwA)	dB(A)	47	40	44	41
Efficiency heat recovery	%	83	83	81	79
Filter, Supply air		F7/ePM1 60%	F7/ePM1 60%	F7/ePM1 60%	F7/ePM1 60%
		F8/ePM1 70%*	F8/ePM1 70%*	F8/ePM1 70%*	F8/ePM1 70%*
Filter, Extract air		M5/ePM10 50%	M5/ePM10 50%	M5/ePM10 50%	M5/ePM10 50%
Duct connections	mm	125	160	200	250
Max. power, fan(s)	W	81	85	169	170
Electrical heater	W	-	1670*	1670*	4500*
Recommended fuse	A	10	10	13	10
Width (with connection box)	mm	-	-	-	-
Width (without connection box)	mm	598	762	880	1170
Height (with connection box)	mm	629	883	880	1250
Height (without connection box)	mm	550	800	800	1175
Depth	mm	550	615	615	860
Weight	kg	47	72	82	151
Isolation of casing	mm	30	30	30	30
Condensate connection		1/2" (2x)	1/2" (2x)	1/2" (2x)	1/2" (2x)
Application					
Flats		•			
Single-family house		•	•	•	
Apartment building, centrally					•
Light commercial			•	•	•
Built in cooker hood					
Connection for external cooker hood					

* Available as accessories.



SAVE VSC-E 100	SAVE VSC-E200	SAVE VSC-E 300
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A	A	A
A+	A	A
100	200	320
32/116	65/233	99/358
46/166	93/333	142/511
36	45	46
85	83	79
F7/ePM1 60%	F7/ePM1 60%	F7/ePM1 60%
F8/ePM1 70%*	F8/ePM1 70%*	F8/ePM1 70%*
M5/ePM10 50%	M5/ePM10 50%	M5/ePM10 50%
125	125	160
27	81	119
-	-	-
10	10	10
1263	1473	1473
1220	1430	1430
-	-	-
258	328	355
640	750	840
47	70	80
20	20	20
1/2" (2x)	1/2" (2x)	1/2" (2x)
•	•	•
	•	•
		•

SAVE VTC-E 200-1

Enthalpy model



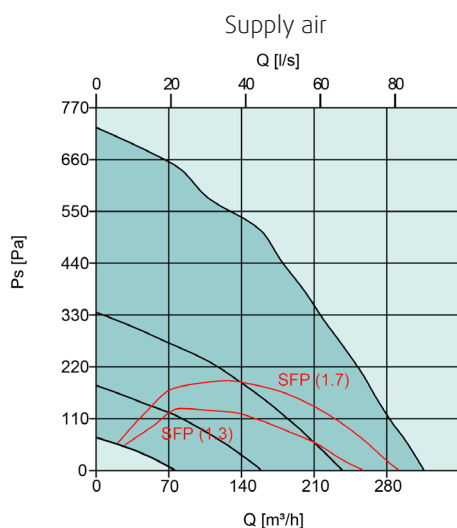
A

- High efficiency enthalpy heat exchanger with high performance EC fans
- Demand ventilation control is standard with the built in humidity sensor
- Automatic defrosting
- Preheater needed for outdoor temperature < -10°C
- Selection of different control panels available:
 - SAVE TOUCH for full functionality
 - SAVE LIGHT for basic functionality
- Connection board for easy access
- Modbus communication RS-485 as standard

		Mid-frequency band, Hz							
LwA dB(A)	Tot	63	125	250	500	1k	2k	4k	8k
Supply air	70	79	79	73	67	64	58	49	39
Extract air	60	71	59	66	54	51	39	26	25
Surrounding	47	46	50	54	39	33	30	27	26

The sound data table indicates the sound power level LwA, which should not be confused with the sound pressure level LpA (based on the operation point - 56 l/s at 50 Pa).

Performance data (Right unit)



SAVE VTC-E 200-1 is a top connected counter flow unit designed for installation on the wall in laundry rooms, storerooms etc. in a home with a ventilated area of up to approx. 180 m².

VTC-E 200-1 unit is white painted, fully insulated and comes with complete control functionality. The unit automatically regulates the recovery of heating/cooling by the built in damper and has automatic defrosting function.

SAVE CONNECT 2.0 is delivered as standard with all units for remote control via mobile APP.

SAVE PRO web application for own or client device remote monitoring, control and troubleshooting.



Download SAVE CONNECT app via Google Play or Apple store.

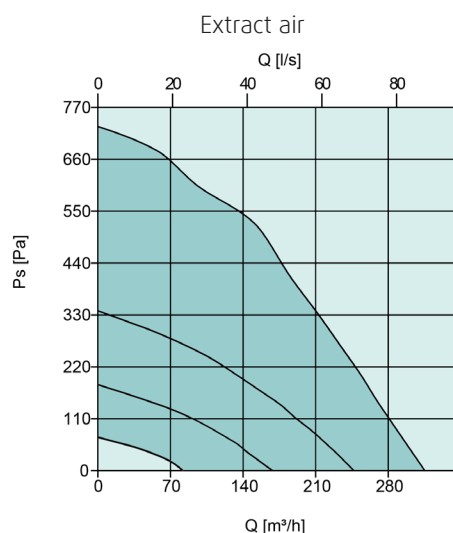
Technical data SAVE VTC-E 200-1

Art no.	Right/Left	488903/488904
Energy efficiency class		A
Standard unit		A
Standard unit with accessories*		A
Voltage/Frequency	V/50 Hz	230
Power rating per fan	W	34
at example duty point:		56 l/s at 50 Pa 200 m³/h at 50 Pa
SFP	kW/m³/s	1.22
Efficiency according EN 13141-7		83%
Fuse	A	10
Input power, fan motor	W	2 x 81
Filter, supply air		
Pleat filter (PF)		ePM1 60%
Filter, extract air		
Pleat filter (PF)		ePM10 50%
Weight	kg	48

* With Indoor Air Quality accessories

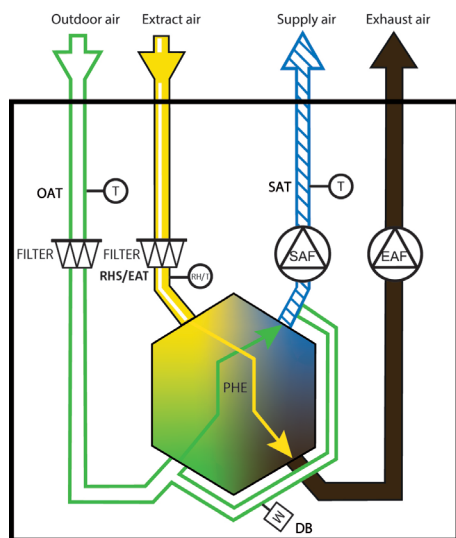
SFP = Specific Fan Power (kW/m³/s)

The SFP value stated applies to the complete unit.



Scheme

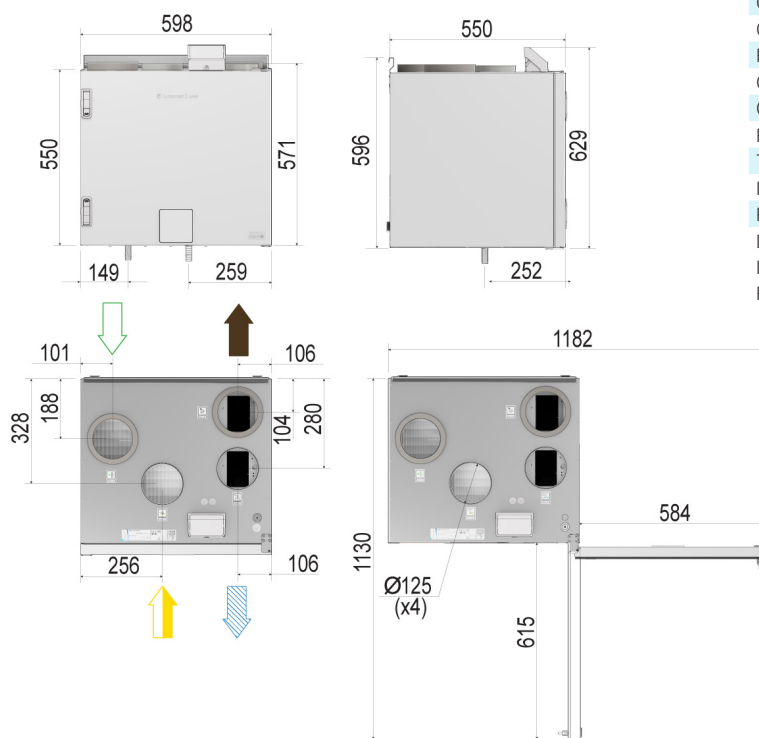
Right-hand version



SAF	Supply fan
EAF	Extract fan
FILTER	Extract/Supply filter
OAT	Outdoor air temp. sensor
SAT	Supply air temp. sensor
RHS/EAT	Relative humidity sensor/Extract air temp. sensor
DB	Bypass damper drive
PHE	Plate Heat Exchanger

Dimensions

SAVE VTC-E 200-1 Right-hand version



Accessories

Accessories SAVE VTC-E 200-1		Art. no.
Controls		
SAVE TOUCH White	Touch display white	138077
SAVE TOUCH Black	Touch display black	138078
SAVE LIGHT White	SAVE Light White	319118
SAVE LIGHT Black	SAVE Light Black	319119
SAVE Wall Mounted Kit	Control panel frame	140736
CEC Cable 12m	VK-12	24782
CEC Cable 6m	VK-6	24783
Diverting Plug	Diverting Plug	254978
Diverting Plug	Diverting Plug	254978
Indoor Air Quality Wired		
Systemair-E CO2 sensor	T8100-E-SA-1000RTD	14904
Systemair-E CO2 + RH + Temperature	T8100-E-H-SA-10R	211522
Systemair-1 CO2 duct sensor	T8041	14906
Duct sensor NTC10K (-30-70C) 1,5 m	TG-K3/NTC10-01	211524
Room sensor NTC10K (0-50C)	TG-R5/NTC10-01	211525
Presence detector	-	6995
VAV/CAV conversion kit	-	140777
Heating/Cooling		
Duct Water heating battery 2 Rows	VBC 125-2	5457
Duct Water heating battery 3 Rows	VBC 125-3	9839
Surface sensor NTC10K (-30-150C) 1,5 m	TG-A1/NTC10-01	211523
Actuator 0-10V	RVAZ4 24A	9862
2-Way-Valve	ZTV 15-0,4	9829
2-Way-Valve	ZTV 15-0,6	6571
3-Way-Valve	ZTR 15-0,4	9670
3-Way-Valve	ZTR 15-0,6	6573
Electrical duct heater	CB 125-0.6 230V/1	5289
Electrical duct heater	CB 125-1.2 230V/1	5290
Electrical duct heater	CB 125-1.8 230V/1	5377
CB heater connection kit	1-Phase kit	142852
Duct cooler	CWK 125-3-2.5	30021
Filters		
PF VTC 200-1 STD kit	F7/ePM1 60% Supply M5/ePM10 50% Extract	398081
PF VTC 200-1 OPT kit	F8/ePM1 70% Supply M5/ePM10 50% Extract	398082
Other		
Combi grille 125, White	CVVX 125, white	26422
Combi grille 125, Black	CVVX 125, black	26421
Fast clamp 125	FK 125	1608
Connection duct D 125/1,0 M/F	SCD Flexible Silencer	2556
Silencer	LDC 125-600	5190
Silencer	LDC 125-900	5191
Control damper	TUNE-R-125-3-M1	311938
Control damper (Spring)	TUNE-R-125-3-M4	311968
Relay mounting kit (no traf)	RMK	153549
Control damper	TUNE-R-125-3-M2	311948
Control damper (Spring)	TUNE-R-125-3-M5	311978
Relay mounting kit (with traf)	RMK-T	153548
Transformer 24V	PSS48 24V	204385
Iris Damper	SPI-125 C	6751
Pressure guard with pitot tube	DPR200T	212987
Duct cover	Duct cover VTC 200	113227
Iris Damper	SPI-125 C	6751
Pressure guard with pitot tube	DPR200T	212987



*** Drainage connection

SAVE VTC-E 300

Enthalpy model



SAVE VTC-E 300 is a top connected counter flow unit designed for installation on the wall in laundry rooms, storerooms etc. in a home with a ventilated area of up to approx. 240 m².

VTC-E 300 is white painted, double skinned, fully insulated and comes with control panel with complete control functionality. The unit automatically regulate the recovery of heating/cooling by the built in damper and has automatic defrosting function.

SAVE CONNECT 2.0 is delivered as standard with all units for remote control via mobile APP.

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Technical data SAVE VTC-E 300

Art. no.	Right/Left	488905/488906
Energy efficiency class		A
Standard unit		A
Standard unit with accessories*		A+
Voltage/Frequency	V/50 Hz	230
Power rating per fan	W	32
at example duty point:		71 l/s at 50 Pa 255m ³ /h at 50 Pa
SFP	kW/m ³ /s	0,9
Efficiency according EN 13141-7		83%
Fuse	A	10
Input power, fan motor	W	2 x 85
Filter, supply air		
Pleat filter (PF)		F7/ePM1 60%
Filter, extract air		
Pleat filter (PF)		M5/ePM10 50%
Weight	kg	72

* With Indoor Air Quality accessories

SFP = Specific Fan Power (kW/m³/s)

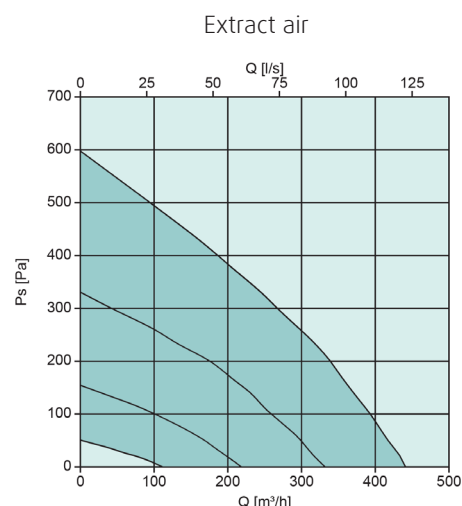
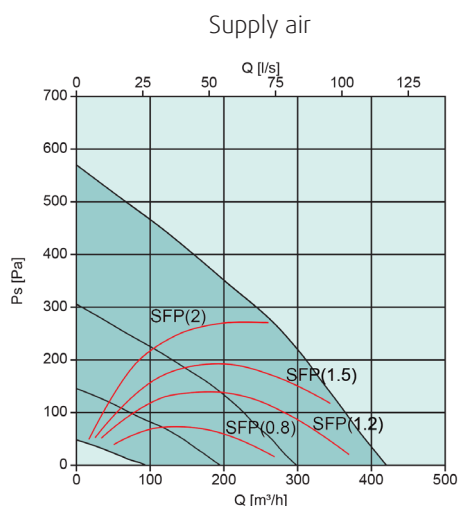
The SFP value stated applies to the complete unit.

- High efficiency enthalpy heat exchanger with high performance EC fans
- Demand ventilation control is standard with the built in humidity sensor
- Automatic defrosting
- Preheater needed for outdoor temperature < -10°C
- Selection of different control panels available:
 - SAVE TOUCH for full functionality
 - SAVE LIGHT for basic functionality
- Connection board for easy access
- Modbus communication RS-485 as standard
- Built in electrical re-heater as accessory

		Mid-frequency band, Hz							
LwA dB(A)	Tot	63	125	250	500	1k	2k	4k	8k
Supply air	61	70	65	61	56	52	56	49	44
Extract air	48	66	55	51	43	40	36	25	25
Surrounding	40	43	41	42	33	31	32	33	28

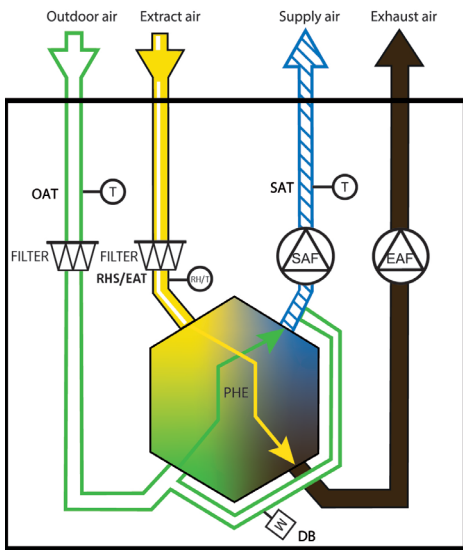
The sound data table indicates the sound power level LwA, which should not be confused with the sound pressure level LpA (based on the operation point - 71 l/s at 50 Pa).

Performance data (Right unit)



Scheme

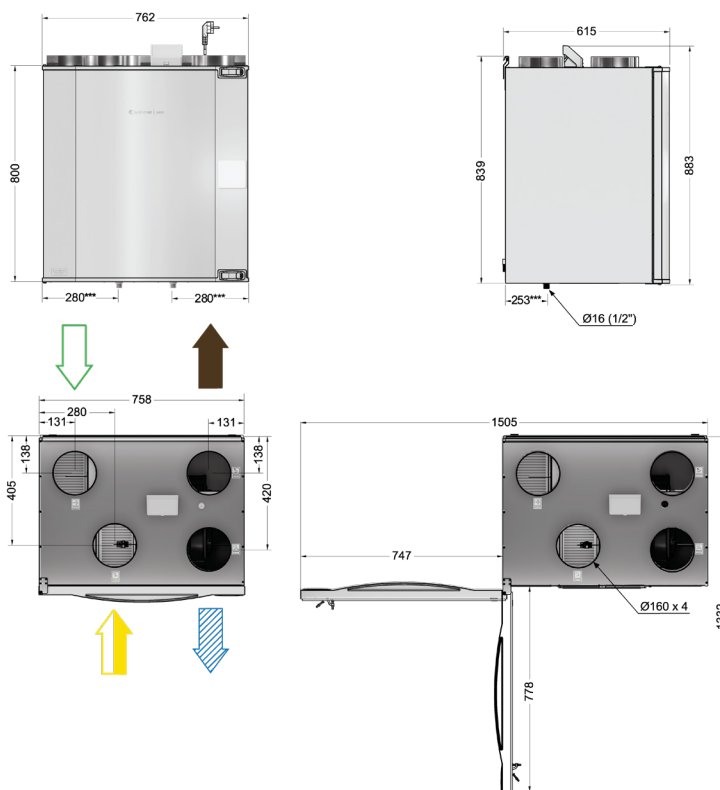
Right-hand version



SAF	Supply fan
EAF	Extract fan
FILTER	Extract/Supply filter
OAT	Outdoor air temp. sensor
SAT	Supply air temp. sensor
RHS/EAT	Relative humidity sensor/Extract air temp. sensor
DB	Bypass damper drive
PHE	Plate Heat Exchanger

Dimensions

SAVE VTC-E 300 Right-hand version



Accessories

Accessories SAVE VTC-E 300		Art. no.
Controls		
SAVE TOUCH White	Touch display white	138077
SAVE TOUCH Black	Touch display black	138078
SAVE LIGHT White	SAVE Light White	319118
SAVE LIGHT Black	SAVE Light Black	319119
SAVE Wall Mounted Kit	Control panel frame	140736
CEC Cable 12m	VK-12	24782
CEC Cable 6m	VK-6	24783
Diverting Plug	Diverting Plug	254978
Indoor Air Quality Wired		
Systemair-E CO2 sensor	T8100-E-SA-1000RTD	14904
Systemair-E CO2 + RH + Temperature	T8100-E-H-SA-10R	211522
Systemair-1 CO2 duct sensor	T8041	14906
Duct sensor NTC10K (-30-70C) 1,5 m	TG-K3/NTC10-01	211524
Room sensor NTC10K (0-50C)	TG-R5/NTC10-01	211525
Presence detector	-	6995
VAV/CAV conversion kit	-	140777
Heating / Cooling		
Duct Water heating battery 2 Rows	VBC 160-2	5458
Duct Water heating battery 3 Rows	VBC 160-3	9840
Surface sensor NTC10K (-30-150C) 1,5 m	TG-A1/NTC10-01	211523
Actuator 0-10V	RVAZ4 24A	9862
2-Way-Valve	ZTV 15-0,4	9829
2-Way-Valve	ZTV 15-0,6	6571
3-Way-Valve	ZTR 15-0,4	9670
3-Way-Valve	ZTR 15-0,6	6573
El. Reheater VTC 300 R	ELH VTC 300 R	138107
El. Reheater VTC 300 L	ELH VTC 300 L	139312
Electrical Duct Heater	CB 160-1,2 230V/1	5291
Electrical Duct Heater	CB 160-2,1 230V/1	5292
Electrical Duct Heater	CB 160-2,7 200V/1	5382
CB heater connection kit	1-Phase kit	142852
Duct Cooler	CWK 160-3-2,5	30022
Filters		
PF VTC 300 STD kit	F7/ePM1 60% Supply M5/ePM10 50% Extract	317699
PF VTC 300 OPT kit 1	F8/ePM1 70% Supply M5/ePM10 50% Extract	317700
BF VTC 300 OPT kit 2	F7/ePM1 60% Supply M5/ePM10 50% Extract	317701
Other		
Combi grille 160, White	CVVX 160, white	25396
Combi grille 160, Black	CVVX 160, black	25394
Fast clamp 160	FK 160	1610
Connection duct D 160/1,0 M/F	SCD Flexible Silencer	2558
Silencer	LDC 160-600	5192
Silencer	LDC 160-900	5193
Control damper	TUNE-R-160-3-M1	311939
Control damper (Spring)	TUNE-R-160-3-M4	311969
Relay mounting kit (no traf)	RMK	153549
Control damper	TUNE-R-160-3-M2	311949
Control damper (Spring)	TUNE-R-160-3-M5	311979
Relay mounting kit (with traf)	RMK-T	153548
Transformer 24V	PSS20 24V	202692
Iris Damper	SPI-160 C	6753
Pressure guard with pitot tube	DPR200T	212987



*** Drainage connection

SAVE VTC-E 500

Enthalpy model



SAVE VTC-E 500 is a top connected counter flow unit designed for installation on the wall in laundry rooms, storerooms etc. in a home with a ventilated area of up to approx. 400 m².

VTC 500-E is white painted, double skinned, fully insulated and comes with control panel with complete control functionality. The unit automatically regulate the recovery of heating/cooling by the built in damper and has automatic defrosting function.

SAVE CONNECT 2.0 is delivered as standard with all units for remote control via mobile APP.

SAVE PRO web application for own or client device remote monitoring, control and troubleshooting.



Download SAVE CONNECT app via Google Play or Apple store.

Technical data SAVE VTC-E 500		
Art. no.	Right/Left	488907/488908
Energy efficiency class		
Standard unit		A
Standard unit with accessories*		A
Voltage/Frequency	V/50 Hz	230
Power rating per fan	W	67
at example duty point:		117 l/s at 50 Pa 421 m³/h at 50 Pa
SFP	kW/m³/s	1,15
Efficiency according EN 13141-7		81%
Fuse	A	10
Input power, fan motor	W	2 x 85
Filter, supply air		
Pleat filter (PF)		F7/ePM1 60%
Filter, extract air		
Pleat filter (PF)		M5/ePM10 50%
Weight	kg	80

* With Indoor Air Quality accessories

SFP = Specific Fan Power (kW/m³/s)

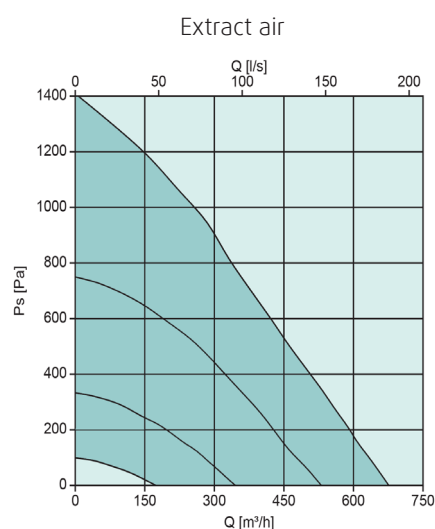
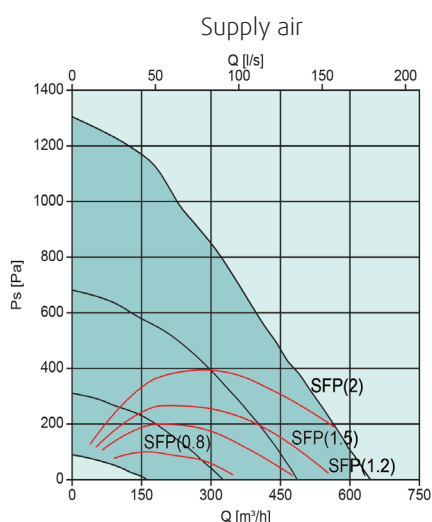
The SFP value stated applies to the complete unit.

- High efficiency enthalpy heat exchanger with high performance EC fans
- Demand ventilation control is standard with the built in humidity sensor
- Automatic defrosting
- Preheater needed for outdoor temperature < -10°C
- Selection of different control panels available:
 - SAVE TOUCH for full functionality
 - SAVE LIGHT for basic functionality
- Connection board for easy access
- Modbus communication RS-485 as standard
- Built in electrical re-heater as accessory

		Mid-frequency band, Hz							
LwA dB(A)	Tot	63	125	250	500	1k	2k	4k	8k
Supply air	68	74	71	70	66	61	57	51	40
Extract air	53	70	61	56	51	46	40	28	21
Surrounding	44	49	48	49	41	35	32	25	21

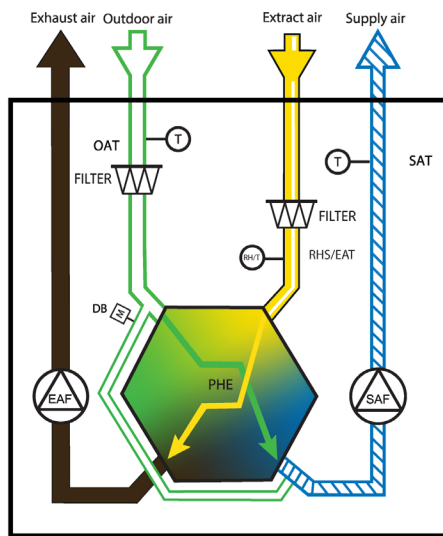
The sound data table indicates the sound power level LwA, which should not be confused with the sound pressure level LpA (based on the operation point - 117 l/s at 50 Pa).

Performance data (Right unit)



Scheme

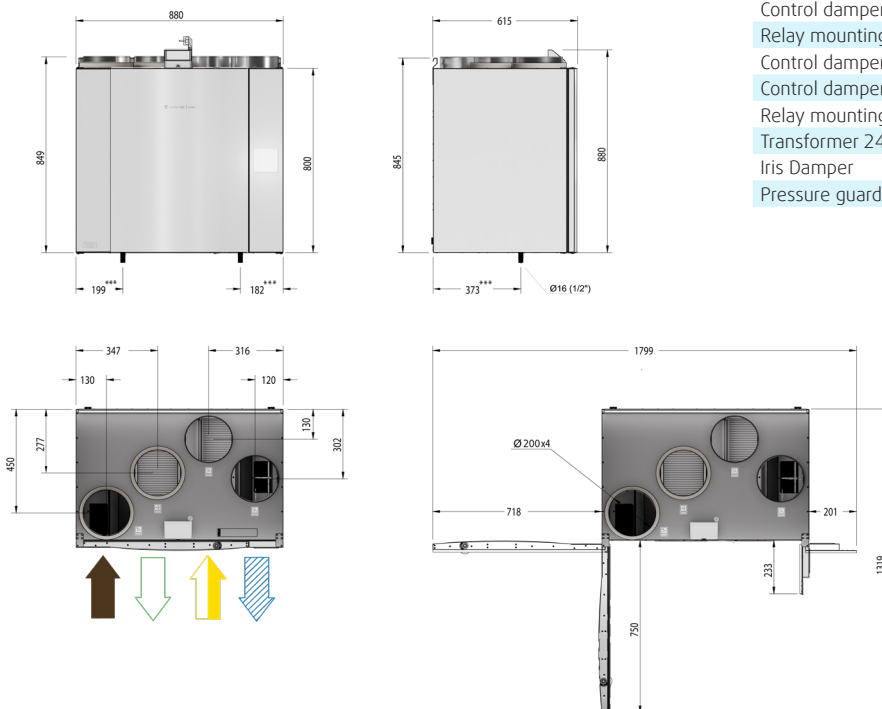
Right-hand version



SAF	Supply fan
EAF	Extract fan
FILTER	Extract/Supply filter
OAT	Outdoor air temp. sensor
SAT	Supply air temp. sensor
RHS/EAT	Relative humidity sensor/Extract air temp. sensor
DB	Bypass damper drive
PHE	Plate Heat Exchanger

Dimensions

SAVE VTC-E 500 Right-hand version



Accessories

Accessories SAVE VTC-E 500		Art. no.
Controls		
SAVE TOUCH White	Touch display white	138077
SAVE TOUCH Black	Touch display black	138078
SAVE LIGHT White	SAVE Light White	319118
SAVE LIGHT Black	SAVE Light Black	319119
SAVE Wall Mounted kit	Control panel frame	140736
CEC Cable 12m	VK-12	24782
CEC Cable 6m	VK-6	24783
Diverting Plug	Diverting Plug	254978
Indoor Air Quality Wired		
Systemair-E CO2 sensor	T8100-E-SA-1000RTD	14904
Systemair-E CO2 + RH + Temperature	T8100-E-H-SA-10R	211522
Systemair-1 CO2 duct sensor	T8041	14906
Duct sensor NTC10K (-30-70C) 1,5 m	TG-K3/NTC10-01	211524
Room sensor NTC10K (0-50C)	TG-R5/NTC10-01	211525
Presence detector	-	6995
VAV/CAV conversion kit	-	140777
CAV kit	-	161100
Heating / Cooling		
Duct Water heating battery 2 Rows	VBC 200-2	5459
Duct Water heating battery 3 Rows	VBC 200-3	9841
Surface sensor NTC10K (-30-150C) 1,5 m	TG-A1/NTC10-01	211523
Actuator 0-10V	RVAZ4 24A	9862
2-Way-Valve	ZTV 15-0,6	6571
2-Way-Valve	ZTV 15-1,0	9823
3-Way-Valve	ZTR 15-0,6	6573
3-Way-Valve	ZTR 15-1,0	9672
El. Reheater VTC 500 R	ELH VTC 500 R 1,67kW	158105
El. Reheater VTC 500 L	ELH VTC 500 L 1,67kW	158109
Electrical Duct Heater	CB 200-2,1 230V/1	5384
CB heater connection kit	1-Phase kit	142852
Duct Cooler	CWK 200-3-2,5	30023
Filters		
PF VTC 500 STD kit	F7/ePM1 60% Supply M5/ePM10 50% Extract	161251
PF VTC 500 OPT kit	F8/ePM1 70% Supply M5/ePM10 50% Extract	161252
Other		
Combi grille 200, White	CVVX 200, white	25397
Combi grille 200, Black	CVVX 200, black	25395
Fast clamp 200	FK 200	1611
Connection duct D200/1,0 M/F	SCD Flexible Silencer	2560
Silencer	LDC 200-600	5194
Silencer	LDC 200-900	5195
Control damper	TUNE-R-200-3-M1	311940
Control damper (Spring)	TUNE-R-200-3-M4	311970
Relay mounting kit (no traf)	RMK	153549
Control damper	TUNE-R-200-3-M2	311950
Control damper (Spring)	TUNE-R-200-3-M5	311980
Relay mounting kit (with traf)	RMK-T	153548
Transformer 24V	PSS20 24V	202692
Iris Damper	SPI-200 C	6754
Pressure guard with pitot tube	DPR200T	212987

SAVE VTC-E 700

Enthalpy model

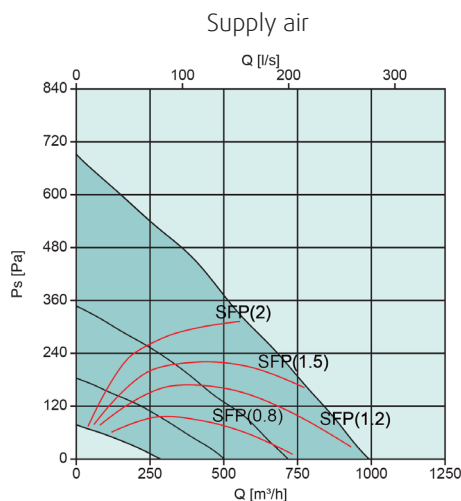


- High efficiency enthalpy heat exchanger with high performance EC fans
- Demand ventilation control is standard with the built in humidity sensor
- Automatic defrosting
- Preheater needed for outdoor temperature $< -10^{\circ}\text{C}$
- Selection of different control panels available:
 - SAVE TOUCH for full functionality
 - SAVE LIGHT for basic functionality
- Connection board for easy access
- Modbus communication RS-485 as standard
- Built in electrical re-heater as accessory

Mid-frequency band, Hz									
LwA dB(A)	Tot	63	125	250	500	1k	2k	4k	8k
Supply air	64	64	57	59	55	59	59	48	40
Extract air	48	52	49	48	43	45	38	24	25
Surrounding	41	49	46	47	36	35	32	24	26

The sound data table indicates the sound power level LwA, which should not be confused with the sound pressure level LpA (based on the operation point 166 l/s at 50 Pa).

Performance data (Right unit)



SAVE VTC-E 700 is a top connected high efficiency counter flow unit designed for installation on the floor in premises with a ventilated area of up to approx. 550 m².

VTC-E 700 is white painted, double skinned, fully insulated and comes with control panel with complete control functionality. The unit automatically regulates the recovery of heating/cooling by the built in damper and has automatic defrosting function.

SAVE CONNECT 2.0 is delivered as standard with all units for remote control via mobile APP.

SAVE PRO web application for own or client device remote monitoring, control and troubleshooting.



Download SAVE CONNECT app via Google Play or Apple store.

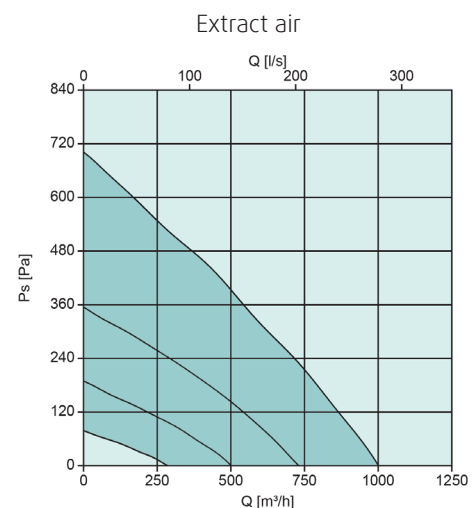
Technical data SAVE VTC-E 700

Art. no.	Right/Left	488913/488914
Energy efficiency class		A
Standard unit		A+
Standard unit with accessories*		
Voltage/Frequency	V/50 Hz	230
Power rating per fan	W	64
at example duty point:		166 l/s at 50 Pa 599 m ³ /h at 50 Pa
SFP	kW/m ³ /s	0,77
Efficiency according EN 13141-7		79%
Fuse	A	10
Input power, fan motor	W	2 x 170
Filter, supply air		
Pleat filter (PF)		F7/ePM1 60%
Filter, extract air		
Pleat filter (PF)		M5/ePM10 50%
Weight	kg	151

* With Indoor Air Quality accessories

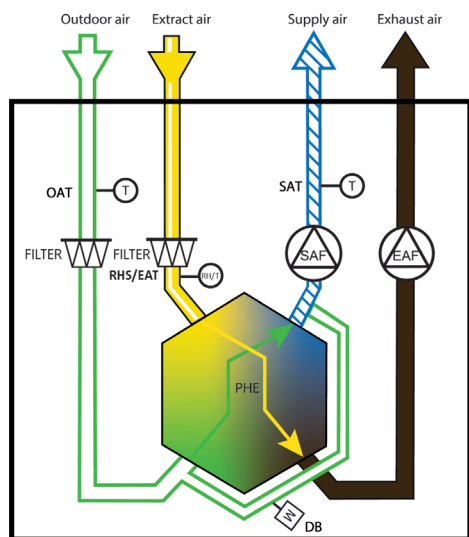
SFP = Specific Fan Power (kW/m³/s)

The SFP value stated applies to the complete unit.



Scheme

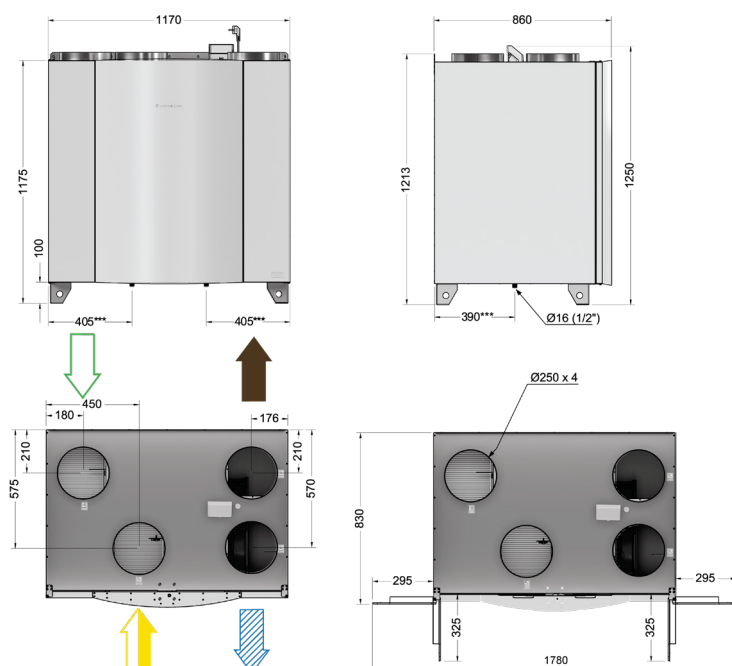
Right-hand version



SAF	Supply fan
EAF	Extract fan
FILTER	Extract/Supply filter
OAT	Outdoor air temp. sensor
SAT	Supply air temp. sensor
RHS/EAT	Relative humidity sensor/Extract air temp. sensor
DB	Bypass damper drive
PHE	Plate Heat Exchanger

Dimensions

SAVE VTC-E 700 Right-hand version



Accessories

Accessories SAVE VTC-E 700		Art. no.
Controls		
SAVE TOUCH White	Touch display white	138077
SAVE TOUCH Black	Touch display black	138078
SAVE LIGHT White	SAVE Light White	319118
SAVE LIGHT Black	SAVE Light Black	319119
SAVE Wall Mounted Kit	Control panel frame	140736
CEC Cable 12m	VK-12	24782
CEC Cable 6m	VK-6	24783
Diverting Plug	Diverting Plug	254978
Indoor Air Quality Wired		
Systemair-E CO2 sensor	T8100-E-SA-1000RTD	14904
Systemair-E CO2 + RH + Temperature	T8100-E-H-SA-10R	211522
Systemair-1 CO2 duct sensor	T8041	14906
Duct sensor NTC10K (-30-70C) 1,5 m	TG-K3/NTC10-01	211524
Room sensor NTC10K (0-50C)	TG-R5/NTC10-01	211525
Presence detector	-	6995
VAV/CAV conversion kit	-	140777
Heating / Cooling		
Duct Water heating battery 2 Rows	VBC 250-2	5460
Duct Water heating battery 3 Rows	VBC 250-3	9843
Surface sensor NTC10K (-30-150C) 1,5 m	TG-A1/NTC10-01	211523
Actuator 0-10V	RVAZ4 24A	9862
2-Way-Valve	ZTV 15-1.6	9824
3-Way-Valve	ZTR 15-1.6	9673
El. Reheater VTC 700 R	ELH VTC 700 R	138200
El. Reheater VTC 700 L	ELH VTC 700 L	137746
Electrical Duct Heater	CB 250-3,0 230V/1	5385
Electrical Duct Heater	CB 250-6,0 400V/2	5372
Electrical Duct Heater	CB 250-9,0 400V/3	5373
CB heater connection kit	1-Phase kit	142852
CB heater connection kit	2/3-Phase kit	151612
Duct Cooler	CWK 250-3-2.5	30024
Filters		
PF VTR/VTC 700 STD kit	F7/ePM1 60% Supply M5/ePM10 50% Extract	145849
PF VTR/VTC 700 OPT kit 1	F8/ePM1 70% Supply M5/ePM10 50% Extract	145924
BF VTC 700 OPT kit 2	F7/ePM1 60% Supply M5/ePM10 50% Extract	317703
Other		
Combi grille 250, White	CVVX 250, white	146260
Combi grille 250, Black	CVVX 250, black	8498
Fast clamp 250	FK 250	1612
Connection duct D250/1,0 M/F	SCD Flexible Silencer	2561
Silencer	LDC 250-900	5196
Control damper	TUNE-R-250-3-M1	311941
Control damper (Spring)	TUNE-R-250-3-M4	311971
Relay mounting kit (no traf)	RMK	153549
Control damper	TUNE-R-250-3-M2	311951
Control damper (Spring)	TUNE-R-250-3-M5	311981
Relay mounting kit (with traf)	RMK-T	153548
Transformer 24V	PSS20 24V	202692
Iris Damper	SPI-250 C	6755
Pressure guard with pitot tube	DPR200T	212987



*** Drainage connection

SAVE VSC-E 100

Enthalpy model

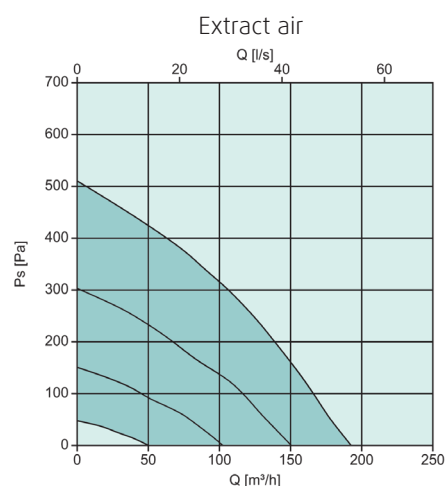
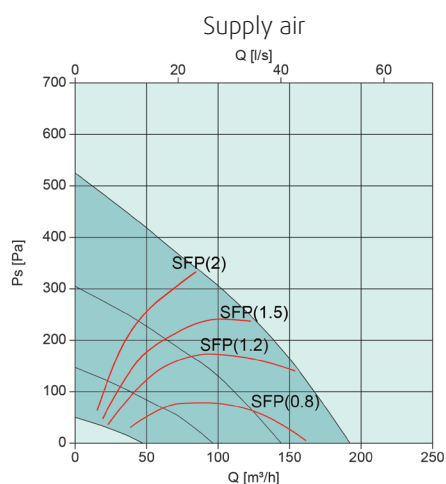


- High efficiency enthalpy heat exchanger with high performance EC fans
- Demand ventilation control is standard with the built in humidity sensor
- Automatic defrosting
- Preheater needed for outdoor temperature $< -10^{\circ}\text{C}$
- Selection of different control panels available:
 - SAVE TOUCH for full functionality
 - SAVE LIGHT for basic functionality
- Connection board for easy access
- Modbus communication RS-485 as standard

Mid-frequency band, Hz									
LwA dB(A)	Tot	63	125	250	500	1k	2k	4k	8k
Supply air	61	71	64	62	59	55	49	44	28
Extract air	42	62	46	47	38	28	16	16	21
Surrounding	36	43	42	42	33	21	16	17	21

The sound data table indicates the sound power level LwA, which should not be confused with the sound pressure level LpA (based on the operation point - 32 l/s at 50 Pa).

Performance data (Right unit)



SAVE VSC-E 100 is a side connected counter flow unit designed for installation in the ceiling in a home with a ventilated area of up to approx. 100 m².

VSC-E 100 is galvanized, double skinned, fully insulated and comes with complete control functionality. The unit automatically regulates the recovery of heating/cooling by the built in damper and has automatic defrosting function.

SAVE CONNECT 2.0 is delivered as standard with all units for remote control via mobile APP.

SAVE PRO web application for own or client device remote monitoring, control and troubleshooting.



Download SAVE CONNECT app via Google Play or Apple store.

Technical data SAVE VSC-E 100

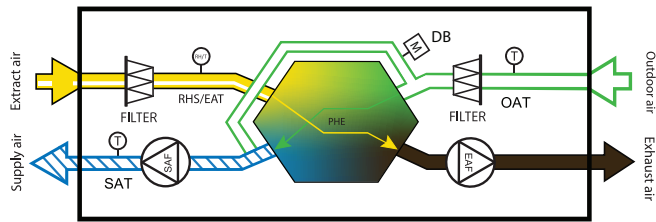
Art. no.	488900
Energy efficiency class	A
Standard unit	A+
Standard unit with accessories*	A+
Voltage/Frequency	V/50Hz 230
Power rating per fan	W 12
at example duty point:	32 l/s at 50 Pa 116 m³/h at 50 Pa
SFP	kW/m³/s 0,74
Efficiency according EN 13141-7	85%
Fuse	A 10
Input power, fan motor	W 2 x 27
Filter, supply air	
Pleat filter (PF)	F7/ePM1 60%
Filter, extract air	
Pleat filter (PF)	M5/ePM10 50%
Weight	kg 48

* With Indoor Air Quality accessories

SFP = Specific Fan Power (kW/m³/s)

The SFP value stated applies to the complete unit.

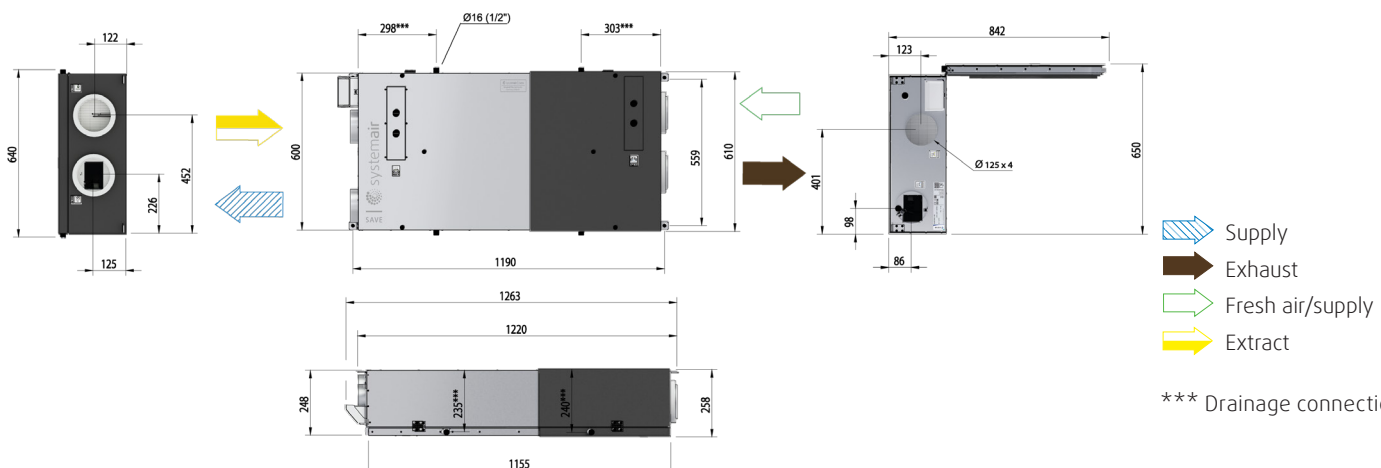
Scheme



SAF	Supply fan
EAF	Extract fan
FILTER	Extract/Supply filter
OAT	Outdoor air temp. sensor
SAT	Supply air temp. sensor
RHS/EAT	Relative humidity sensor/Extract air temp. sensor
DB	Bypass damper drive
PHE	Plate Heat Exchanger

Dimensions

SAVE VSC-E 100



Accessories

Accessories SAVE VSC-E 100		Art. no.
Controls		
SAVE TOUCH White	Touch display white	138077
SAVE TOUCH Black	Touch display black	138078
SAVE LIGHT White	SAVE Light White	319118
SAVE LIGHT Black	SAVE Light Black	319119
SAVE Wall Mounted Kit	Control panel frame	140736
CEC Cable 12m	VK-12	24782
CEC Cable 6m	VK-6	24783
Diverting Plug	Diverting Plug	254978
Indoor Air Quality Wired		
Systemair-E CO2 sensor	T8100-E-SA-1000RTD	14904
Systemair-E CO2 + RH + Temperature	T8100-E-H-SA-10R	211522
Systemair-1 CO2 duct sensor	T8041	14906
Duct sensor NTC10K (-30-70C) 1,5 m	TG-K3/NTC10-01	211524
Room sensor NTC10K (0-50C)	TG-R5/NTC10-01	211525
Presence detector	-	6995
VAV/CAV conversion kit	-	140777
Heating / Cooling		
Duct Water heating battery 2 Rows	VBC 125-2	5457
Duct Water heating battery 3 Rows	VBC 125-3	9839
Surface sensor NTC10K(-30-150C)1,5 m	TG-A1/NTC10-01	211523
Actuator 0-10V	RVAZ4 24A	9862
2-Way-Valve	ZTV 15-0,4	9829
2-Way-Valve	ZTV 15-0,6	6571
3-Way-Valve	ZTR 15-0,4	9670
3-Way-Valve	ZTR 15-0,6	6573
Electrical Duct Heater	CB 125-0,6 230V/1	5289
Electrical Duct Heater	CB 125-1,2 230V/1	5290
Electrical Duct Heater	CB 125-1,8 230V/1	5377
CB heater connection kit	1-Phase kit	142852
Duct Cooler	CWK 125-3-2,5	30021
Filters		
PF VSC 100 STD kit	F7/ePM1 60% Supply M5/ePM10 50% Extract	239523
PF VSC 100 OPT kit	F8/ePM1 70% Supply M5/ePM10 50% Extract	239524
Other		
Combi grille 125, White	CVVX 125, white	26422
Combi grille 125, Black	CVVX 125, black	26421
Fast clamp 125	FK 125	1608
Connection duct D125/1,0 M/F	SCD Flexible Silencer	2556
Silencer	LDC 125-600	5190
Silencer	LDC 125-900	5191
Control damper	TUNE-R-125-3-M1	311938
Control damper (Spring)	TUNE-R-125-3-M4	311968
Relay mounting kit (no traf)	RMK	153549
Control damper	TUNE-R-125-3-M2	311948
Control damper (Spring)	TUNE-R-125-3-M5	311978
Relay mounting kit (with traf)	RMK-T	153548
Transformer 24V	PSS20 24V	202692
Iris Damper	SPI-125 C	6751
Pressure guard with pitot tube	DPR200T	212987

SAVE VSC-E 200

Enthalpy model

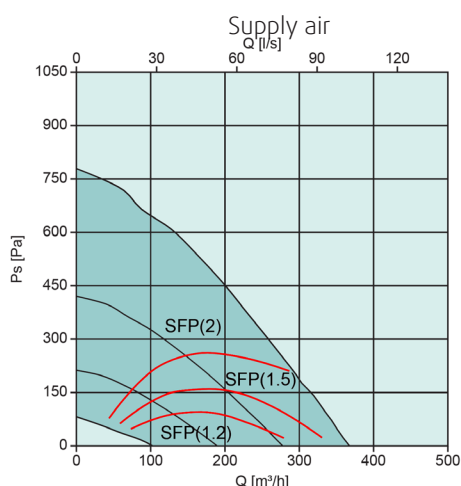


- High efficiency enthalpy heat exchanger with high performance EC fans
- Demand ventilation control is standard with the built in humidity sensor
- Automatic defrosting
- Preheater needed for outdoor temperature $< -10^{\circ}\text{C}$
- Selection of different control panels available:
 - SAVE TOUCH for full functionality
 - SAVE LIGHT for basic functionality
- Connection board for easy access
- Modbus communication RS-485 as standard

Mid-frequency band, Hz									
LwA dB(A)	Tot	63	125	250	500	1k	2k	4k	8k
Supply air	62	74	66	65	60	54	52	44	33
Extract air	56	74	52	63	44	27	21	18	24
Surrounding	45	50	41	52	37	24	19	19	24

The sound data table indicates the sound power level LwA, which should not be confused with the sound pressure level LpA (based on the operation point - 65 l/s at 50 Pa).

Performance data (Right unit)



SAVE VSC-E 200 is a side connected counter flow unit designed for installation in the ceiling in a home with a ventilated area of up to approx. 200 m².

VSC-E 200 is galvanized, double skinned, fully insulated and comes with complete control functionality. The unit automatically regulates the recovery of heating/cooling by the built in damper and has automatic defrosting function.

SAVE CONNECT 2.0 is delivered as standard with all units for remote control via mobile APP.

SAVE PRO web application for own or client device remote monitoring, control and troubleshooting.



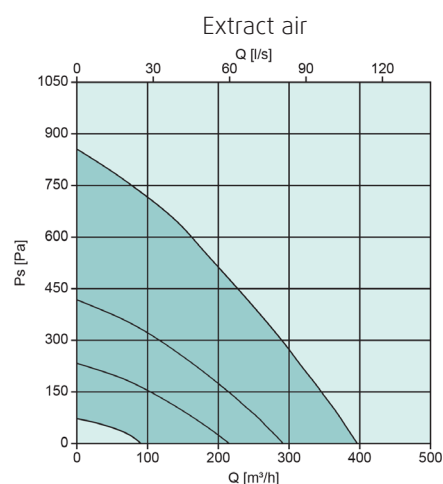
Download SAVE CONNECT app via Google Play or Apple store.

Technical data SAVE VSC-E 200		
Art. no.		488901
Energy efficiency class		A
Standard unit		A
Standard unit with accessories*		A
Voltage/Frequency	V/50Hz	230
Power rating per fan	W	37
at example duty point:		65 l/s at 50 Pa 233 m ³ /h at 50 Pa
SFP	kW/m ³ /s	1.15
Efficiency according EN 13141-7		83%
Fuse	A	10
Input power, fan motor	W	2 x 81
Filter, supply air		
Pleat filter (PF)		F7/ePM1 60%
Filter, extract air		
Pleat filter (PF)		M5/ePM10 50%
Weight	kg	70

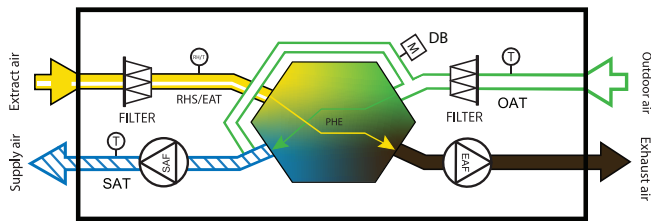
* With Indoor Air Quality accessories

SFP = Specific Fan Power (kW/m³/s)

The SFP value stated applies to the complete unit.



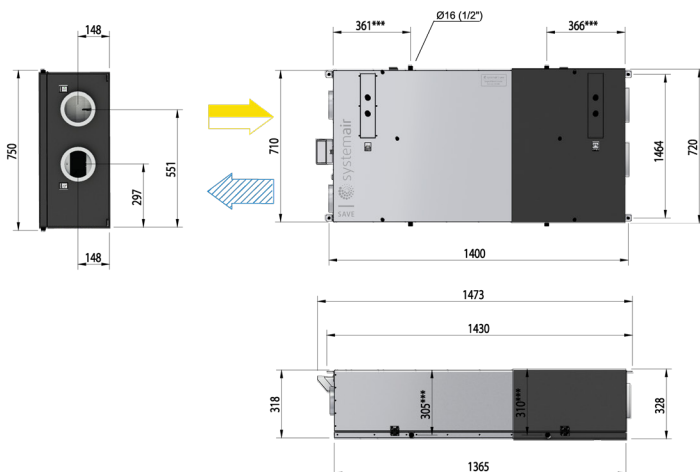
Scheme



SAF	Supply fan
EAF	Extract fan
FILTER	Extract/Supply filter
OAT	Outdoor air temp. sensor
SAT	Supply air temp. sensor
RHS/EAT	Relative humidity sensor/Extract air temp. sensor
DB	Bypass damper drive
PHE	Plate Heat Exchanger

Dimensions

SAVE VSC-E 200



Accessories

Accessories SAVE VSC-E 200		Art. no.
Controls		
SAVE TOUCH White	Touch display white	138077
SAVE TOUCH Black	Touch display black	138078
SAVE LIGHT White	SAVE Light White	319118
SAVE LIGHT Black	SAVE Light Black	319119
SAVE Wall Mounted Kit	Control panel frame	140736
CEC Cable 12m	VK-12	24782
CEC Cable 6m	VK-6	24783
Diverting Plug	Diverting Plug	254978
Indoor Air Quality Wired		
Systemair-E CO2 sensor	T8100-E-SA-1000RTD	14904
Systemair-E CO2 + RH + Temperature	T8100-E-H-SA-10R	211522
Systemair-1 CO2 duct sensor	T8041	14906
Duct sensor NTC10K (-30-70C) 1,5 m	TG-K3/NTC10-01	211524
Room sensor NTC10K (0-50C)	TG-R5/NTC10-01	211525
Presence detector	-	6995
VAV/CAV conversion kit	-	140777
Heating / Cooling		
Duct Water heating battery 2 Rows	VBC 125-2	5457
Duct Water heating battery 3 Rows	VBC 125-3	9839
Surface sensor NTC10K(-30-150C)1,5 m	TG-A1/NTC10-01	211523
Actuator 0-10V	RVAZ4 24A	9862
2-Way-Valve	ZTV 15-0,4	9829
2-Way-Valve	ZTV 15-0,6	6571
3-Way-Valve	ZTR 15-0,4	9670
3-Way-Valve	ZTR 15-0,6	6573
Electrical Duct Heater	CB 125-0,6 230V/1	5289
Electrical Duct Heater	CB 125-1,2 230V/1	5290
Electrical Duct Heater	CB 125-1,8 230V/1	5377
CB heater connection kit	1-Phase kit	142852
Duct Cooler	CWK 125-3-2,5	30021
Filters		
PF VSC 200 STD kit	F7/ePM1 60% Supply M5/ePM10 50% Extract	251905
PF VSC 200 OPT kit	F8/ePM1 70% Supply M5/ePM10 50% Extract	251906
Other		
Combi grille 125, White	CVVX 125, white	26422
Combi grille 125, Black	CVVX 125, black	26421
Fast clamp 125	FK 125	1608
Connection duct D125/1,0 M/F	SCD Flexible Silencer	2556
Silencer	LDC 125-600	5190
Silencer	LDC 125-900	5191
Control damper	TUNE-R-125-3-M1	311938
Control damper (Spring)	TUNE-R-125-3-M4	311968
Relay mounting kit (no traf)	RMK	153549
Control damper	TUNE-R-125-3-M2	311948
Control damper (Spring)	TUNE-R-125-3-M5	311978
Relay mounting kit (with traf)	RMK-T	153548
Transformer 24V	PSS20 24V	202692
Iris Damper	SPI-125 C	6751
Pressure guard with pitot tube	DPR200T	212987



*** Drainage connection

SAVE VSC-E 300

Enthalpy model

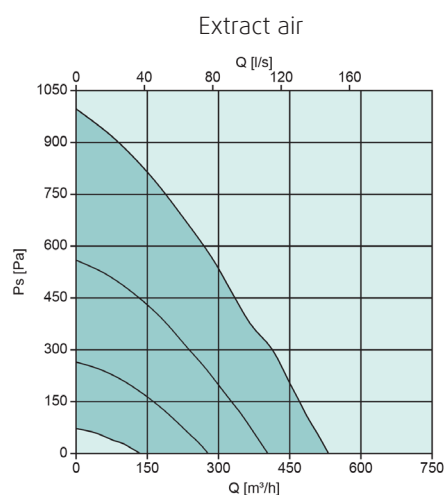
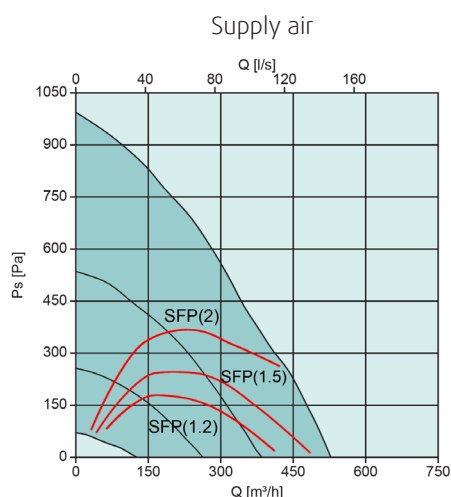


- High efficiency enthalpy heat exchanger with high performance EC fans
- Demand ventilation control is standard with the built in humidity sensor
- Automatic defrosting
- Preheater needed for outdoor temperature $< -10^{\circ}\text{C}$
- Selection of different control panels available:
 - SAVE TOUCH for full functionality
 - SAVE LIGHT for basic functionality
- Connection board for easy access
- Modbus communication RS-485 as standard

Mid-frequency band, Hz									
LwA dB(A)	Tot	63	125	250	500	1k	2k	4k	8k
Supply air	70	76	72	76	65	59	59	52	40
Extract air	46	71	50	51	40	30	28	20	24
Surrounding	46	52	49	53	36	26	25	21	24

The sound data table indicates the sound power level LwA, which should not be confused with the sound pressure level LpA (based on the operation point - 99 l/s at 50 Pa).

Performance data (Right unit)



SAVE VSC-E 300 is a side connected counter flow unit designed for installation in the ceiling in a home with a ventilated area of up to approx. 320 m².

VSC-E 300 is galvanized, double skinned, fully insulated and comes with complete control functionality. The unit automatically regulates the recovery of heating/cooling by the built in damper and has automatic defrosting function.

SAVE CONNECT 2.0 is delivered as standard with all units for remote control via mobile APP.

SAVE PRO web application for own or client device remote monitoring, control and troubleshooting.



Download SAVE CONNECT app via Google Play or Apple store.

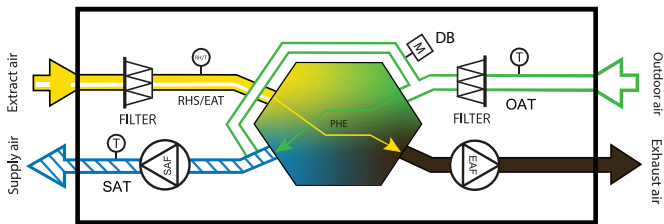
Technical data VSC-E 300		
Art. no.		488902
Energy efficiency class		A
Standard unit		A
Standard unit with accessories*		A
Voltage/Frequency	V/50Hz	230
Power rating per fan	W	52
at example duty point:		99 l/s at 50 Pa 358 m³/h at 50 Pa
SFP	kW/m³/s	1,04
Efficiency according EN 13141-7		79%
Fuse	A	10
Input power, fan motor	W	2 x 115
Filter, supply air		
Pleat filter (PF)		F7/ePM1 60%
Filter, extract air		
Pleat filter (PF)		M5/ePM10 50%
Weight	kg	81

* With Indoor Air Quality accessories

SFP = Specific Fan Power (kW/m³/s)

The SFP value stated applies to the complete unit.

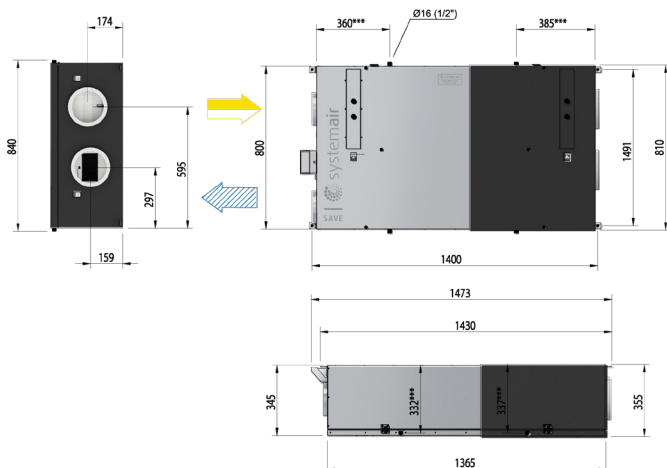
Scheme



SAF	Supply fan
EAF	Extract fan
FILTER	Extract/Supply filter
OAT	Outdoor air temp. sensor
SAT	Supply air temp. sensor
RHS/EAT	Relative humidity sensor/Extract air temp. sensor
DB	Bypass damper drive
PHE	Plate Heat Exchanger

Dimensions

SAVE VSC-E 300



Accessories

Accessories SAVE VSC-E 300		Art. no.
Controls		
SAVE TOUCH White	Touch display white	138077
SAVE TOUCH Black	Touch display black	138078
SAVE LIGHT White	SAVE Light White	319118
SAVE LIGHT Black	SAVE Light Black	319119
SAVE Wall Mounted Kit	Control panel frame	140736
CEC Cable 12m	VK-12	24782
CEC Cable 6m	VK-6	24783
Diverting Plug	Diverting Plug	254978
Indoor Air Quality Wired		
Systemair-E CO2 sensor	T8100-E-SA-1000RTD	14904
Systemair-E CO2 + RH + Temperature	T8100-E-H-SA-10R	211522
Systemair-1 CO2 duct sensor	T8041	14906
Duct sensor NTC10K (-30-70C) 1,5 m	TG-K3/NTC10-01	211524
Room sensor NTC10K (0-50C)	TG-R5/NTC10-01	211525
Presence detector	-	6995
VAV/CAV conversion kit	-	140777
Heating / Cooling		
Duct Water heating battery 2 Rows	VBC 160-2	5458
Duct Water heating battery 3 Rows	VBC 160-3	9840
Surface sensor NTC10K(-30-150C)1,5 m	TG-A1/NTC10-01	211523
Actuator 0-10V	RVAZ4 24A	9862
2-Way-Valve	ZTV 15-0,4	9829
2-Way-Valve	ZTV 15-0,6	6571
3-Way-Valve	ZTR 15-0,4	9670
3-Way-Valve	ZTR 15-0,6	6573
Electrical Duct Heater	CB 160-1,2 230V/1	5291
Electrical Duct Heater	CB 160-2,1 230V/1	5292
Electrical Duct Heater	CB 160-2,7 230V/1	5382
CB heater connection kit	1-Phase kit	142852
Duct Cooler	CWK 160-3-2,5	30022
Filters		
PF VSC 300 STD kit	F7/ePM1 60% Supply M5/ePM10 50% Extract	251909
PF VSC 300 OPT kit	F8/ePM1 70% Supply M5/ePM10 50% Extract	251910
Other		
Combi grille 160, White	CVVX 160, white	25396
Combi grille 160, Black	CVVX 160, black	25394
Fast clamp 160	FK 160	1610
Connection duct D160/1,0 M/F	SCD Flexible Silencer	2558
Silencer	LDC 160-600	5192
Silencer	LDC 160-900	5193
Control damper	TUNE-R-160-3-M1	311939
Control damper (Spring)	TUNE-R-160-3-M4	311969
Relay mounting kit (no traf)	RMK	153549
Control damper	TUNE-R-160-3-M2	311949
Control damper (Spring)	TUNE-R-160-3-M5	311979
Relay mounting kit (with traf)	RMK-T	153548
Transformer 24V	PSS20 24V	202692
Iris Damper	SPI-160 C	6753
Pressure guard with pitot tube	DPR200T	212987



*** Drainage connection

