

## SAVE VTR 500 L

Multiple control options to choose from

Toote number: 488831

Variant: Bag Filters Standard kit



Filter kits:

25315 BF STD kit (F7/ePM1 60% supply and M5/ePM10 60% extract)

317697 BF OPT kit (accessory) (F8/ePM1 70% supply and M5/ePM10 60% extract)

**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
- Multiple control options to choose from
- Connection board for easy access and connection of accessories
- Modbus communication RS-485 as standard
- DIBt, Passive House and Eurovent Certification

SAVE VTR 500 is designed for ventilated areas up to 400 m<sup>2</sup>. Left and right handed models are available.

SAVE VTR 500 has white painted double skinned panels. The unit is equipped with a high efficiency variable speed rotating heat exchanger and a moisture transfer function that regulates the rotation speed of the rotor. 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:

- 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.

The unit comes with built-in electric reheater.

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.



### Tehnilised parameetrid

Seade	
Sagedus	50 Hz
Voltage (nominal)	230 V
Phases	1~
Soovitatav kaitse	13 A
Kaitseklass	IP24
Kiiruse reguleerimine	Pidevatoimeline
Toote tüüp	Heat recovery unit

**Eelküte/Järeلكüte**

Sisendvõimsus, järelkütteseade	1.67 kW
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**Sissepuhkeventilaator**

Sisendvõimsus (P1) sissepuhkeventilaatorile	170 W
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**Sisendõhu filter**

Filtri klass, sissepuhkeõhk	ePM1 60%
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**Väljatõmbeõhu filter**

Filtri klass, väljatõmme	ePM10 60%
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**Soojusvaheti**

Soojusvaheti rootortüüpi ajam	Muutuva kiirusega
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Soojusvaheti	Pöörlevad
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**Tagastusventilaator / Väljatõmbeventilaator**

Sisendvõimsus, Väljatõmbeventilaator	170 W
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**Others**

Suurus	500
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Ventilaatori reguleerimine	Pidevtoimelise pinge reguleerimine
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paigaldamise tüüp	Vertikaalne
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Sissepuhke pool	vasak
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**Korpuse värv**

Korpuse värv	Valge
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Korpuse värv RAL	RAL 9010
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**Mõõtmed ja kaal**

Kaal	85 kg
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**ErP**

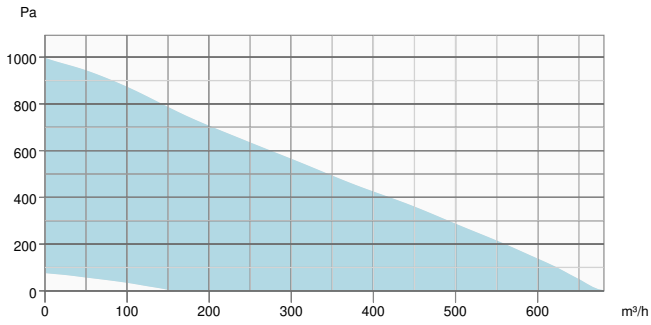
Energiaklass, Baasseade	A
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Energiaklass, kohalik nõue	A
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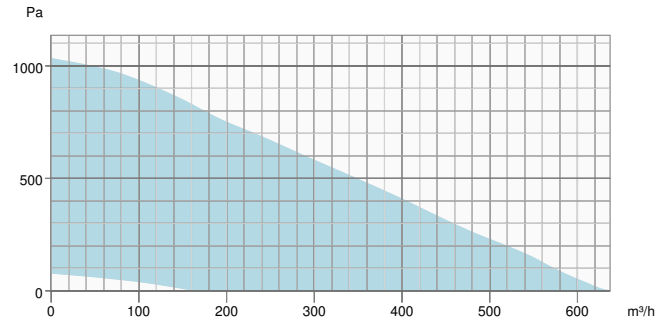
ErP valmidus	ErP 2018
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# Jõudlused

## Sissepuhe - Tootluse kõver



## Väljavõte - Tootluse kõver

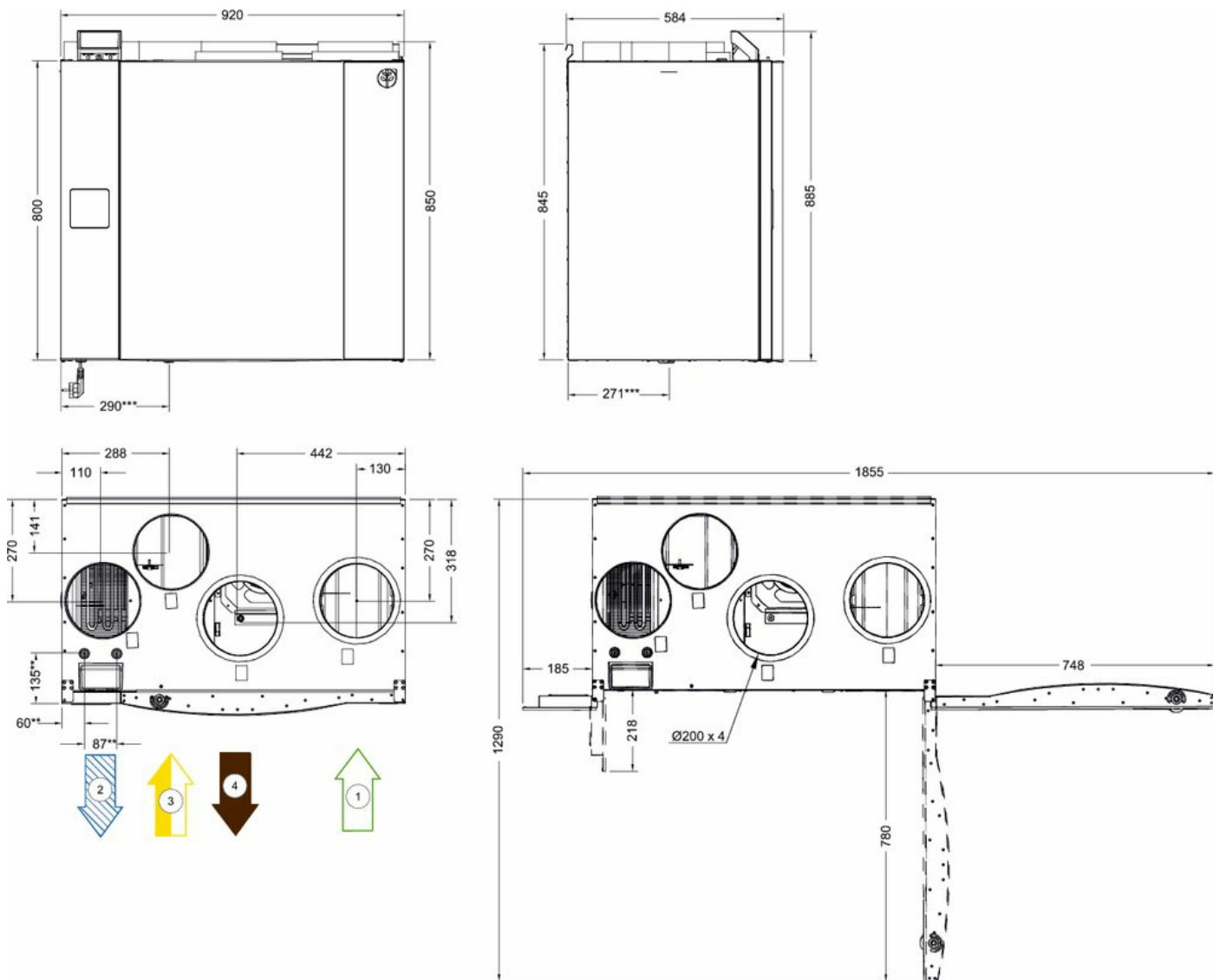


Seade	Sissepuhe	Väljavõte
Vajalik õhuvool	-	-
Töö õhuvool	-	-
Vajalik väline surve	-	-
Töö õhurõhk	-	-
Võimsus	-	-
Ventilaatori juhtimine - RPM	-	-
Soovitatav madal - RPM	-	-
Soovitatav kõrge - RPM	-	-
Ventilaatori juhtimine - %	-	-
Soovitatav madal - %	-	-
Soovitatav kõrge - %	-	-
Air density		1.204 kg/m <sup>3</sup>
SFP		-
Sissepuhke õhu temperatuur		-20.0 °C

Helirõhu tase	Kokku
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Soojust taastav	Sissepuhe	Väljavõte
Siseneva õhu temperatuur	-	-
Väljaviske õhu temperatuur	-	-
Siseneva õhu niiskus	-	-
Väljamineva õhu niiskus	-	-
Kondensaat		-
Ülekantud elekter		-
Temperatuuri kasuteguri ühiku (EN 13141-7)		-
Temperatuuri kasuteguri komponent (EN 308)		-
Niiskus tõhusus		-
Vaheti tüüp		-

# mõõt



\*\* Water battery connections

\*\*\* Drainage connection

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

## Ökodisaini

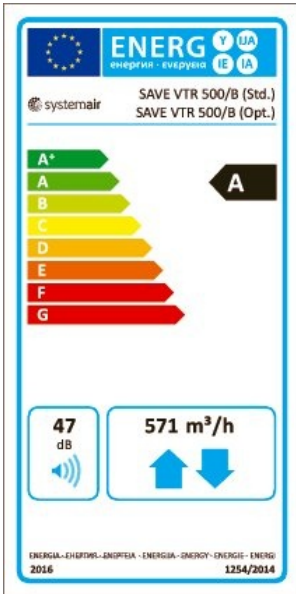
Toode	
Ärinimi	Systemair
Toote nimi	SAVE VTR 500 L
Baasseade	
ErP vastavus	2018
SEC Keskmine	-36.4 kWh/(m <sup>2</sup> .a)
SEC Külm	-79.1 kWh/(m <sup>2</sup> .a)
SEC Soe	-11.9 kWh/(m <sup>2</sup> .a)
SEC Klass	A
Seadme kategooria	RVU
Seadme tüüp	BVU
Ajam	Integreeritud VSD
Soojustagastuse tüüp	Taastav
Temperatuuri suhe	84 %
QV max	571 m <sup>3</sup> /h
P max	321 W
Helivõimsuse tase LWA	47 dB(A)
QV ref	0.111 m <sup>3</sup> /s
PS ref	50 Pa
SPI	0.366 W/(m <sup>3</sup> /h)
CTRL	0.85
VARIA	1.1
x-väärtus	2
Väline leke	3 %
Sisemine leke	Pole saadaval
Carry over	4 %
Toote tüüp	RAHU/AARE
AEC keskmine	331 kWh
AEC külm	331 kWh
AEC soe	331 kWh
AHS keskmine	4 467 kWh/a
AHS Külm	8 739 kWh/a
AHS soe	2 020 kWh/a

**Seadmed kohaliku vajaduse järgi reguleerimisega**

ErP vastavus	2018
SEC Keskmine	-40.8 kWh/(m <sup>2</sup> .a)
SEC Külmi	-84.5 kWh/(m <sup>2</sup> .a)
SEC Soe	-15.8 kWh/(m <sup>2</sup> .a)
SEC Klass	A
Seadme kategooria	RVU
Seadme tüüp	BVU
Ajam	Integreeritud VSD
Soojustagastuse tüüp	Taastav
Temperatuuri suhe	84 %
QV max	571 m <sup>3</sup> /h
P max	321 W
Helivõimsuse tase LWA	47 dB(A)
QV ref	0.111 m <sup>3</sup> /s
PS ref	50 Pa
SPI	0.366 W/(m <sup>3</sup> /h)
CTRL	0.65
VARIA	1.1
x-väärtus	2
Väline leke	3 %
Sisemine leke	Pole saadaval
Carry over	4 %
Toote tüüp	RAHU/AARE
AEC keskmine	194 kWh
AEC külmi	194 kWh
AEC soe	194 kWh
AHS keskmine	4 569 kWh/a
AHS Külmi	8 938 kWh/a
AHS soe	2 066 kWh/a

## Energiaklassi silt

### Energiaklass, Baasseade



## Lisatarvikud

- BF VTR 500 OPT kit 1 (317697)
- SAVE Light must (319119)
- SAVE Touch displei must (138078)
- SAVE VTR 500 F7/M5 19/88/48 KF (25315)
- Presence detector/IR24-P (6995)
- RMK relee sulgklappide ühendam (153549)
- Rõhuandur/rõhulüliti 20-200Pa (212987)
- SAVE eelkütte ühenduskompl (142852)
- SAVECair CO2/RH# (211522)
- CB 200-2,1 230V/1 kalorifeer (5384)
- CB 200-5,0 400V/2 kalorifeer (5371)
- CEC kaabel 12m (24782)
- CWK 200-3-2,5 jahutuspatarei (30023)
- Kanaliandur -30-70C (211524)
- LDC 200-900 mürasummuti (5195)
- Plastikust äravoolu kompl. (146077)
- VBC 200-2 veekalorifeer, ümar (5459)
- CVVX 200 seinaelement must (25395)
- Painduv ühendustoru 200 (2560)
- RVAZ4 24A Ventiiiajam 0-10V (9862)
- SPI 200 C õhu reguleerklapp (6754)
- TUNE-R-200-3-M1 (311940)
- TUNE-R-200-3-M4 (311970)
- ZTR 15-0,6 3-tee ventiil (6573)
- ZTV 15-0,6 2-tee ventiil (6571)
- SAVE Connect interneti moodul (323606)
- SAVE Light valge (319118)
- SAVE Touch displei valge (138077)
- CO2 kanaliandur SAVE Cair (14906)
- PSS 20 trafo 24V (202692)
- RMK-T (153548)
- SAVE displei seinakinnitus (140736)
- SAVECair CO2 andur (14904)
- SAVECair VAV/CAV komplekt (140777)
- CB 200-3,0 230V/1 kalorifeer (5370)
- CB 200/S1/3,0KW 400V/2 (5294)
- CEC kaabel 6m (24783)
- FK 200 kinnitusklamber (1611)
- LDC 200-600 mürasummuti (5194)
- Pinnaandur -30-150C (211523)
- RS-24V (159484)
- VBC 200-3 (9841)
- CVVX 200 seinaelement valge (25397)
- Ruumi temp.andur 0-50C (211525)
- SAVE VTR 500 veekalorifeer (141701)
- Toru kate VTR 500-le (124497)
- TUNE-R-200-3-M2 (311950)
- TUNE-R-200-3-M5 (311980)
- ZTR 15-1,0 3-tee ventiil (9672)
- ZTV 15-1,0 2-tee ventiil (9823)