



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.

Get In Touch

 **Call:** 0845 6880112
 **Email:** info@adremit.co.uk

Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
 Settle, North Yorkshire, BD24 9RH



Certifications



Passive House Institute Certified Component



Eurovent Certified Performance

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Technical parameters

| Unit | |
|---------------------------------|--------------------------|
| Frequency | 50; 60 Hz |
| Voltage (nominal) | 230 V |
| Phases | 1~ |
| Recommended fuse | 10 A |
| Enclosure class | IP24 |
| Speed regulation | Stepless |
| Product type | Heat recovery unit |
| Temperature | -20 to 40 °C |
| Preheater / Reheater | |
| Input power, reheater | 0.5 kW |
| Supply fan | |
| Input power (P1), supply fan | 81 W |
| Supply air filter | |
| Filter class, supply air | ePM1 60% |
| Extract air filter | |
| Filter class, extract air | ePM10 60% |
| Exchanger | |
| Heat exchanger rotor drive type | Variable speed |
| Heat exchanger | Rotating |
| Return fan / Extract fan | |
| Input power (P1), extract fan | 81 W |
| Others | |
| Fan control | Stepless voltage control |
| Installation type | Vertical |
| Supply side | Right |
| Color casing | |
| Color casing | White |
| Color casing, RAL | RAL 9010 |

Article name: SAVE VTR 250/B R 500W | Product link: <https://shop.systemair.com/en-GB/productPermalink?p=609909> | Item Number: 488824 | Variant: Bag Filters Standard kit | Document type: Product card | Created at: 25.10.2024 | Generated by: Systemair Online Catalogue | Language: English

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Dimensions and weights

| | |
|--------|-------|
| Weight | 56 kg |
|--------|-------|

ERP

| | |
|--------------------------|---|
| Energy class, Basic unit | A |
|--------------------------|---|

| | |
|----------------------------|---|
| Energy class, Local demand | A |
|----------------------------|---|

| | |
|-----------|--------------------|
| ErP ready | ErP 2018; ErP 2016 |
|-----------|--------------------|

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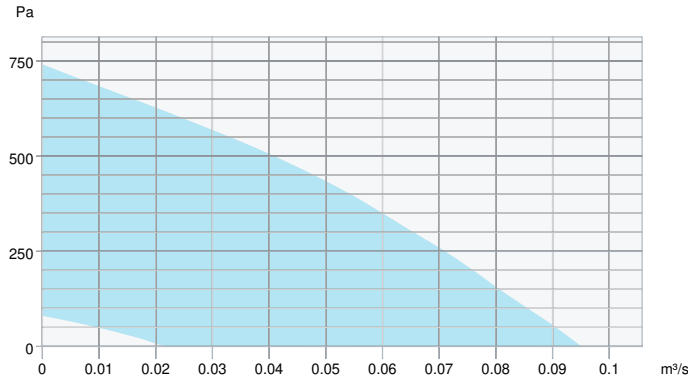


Performance

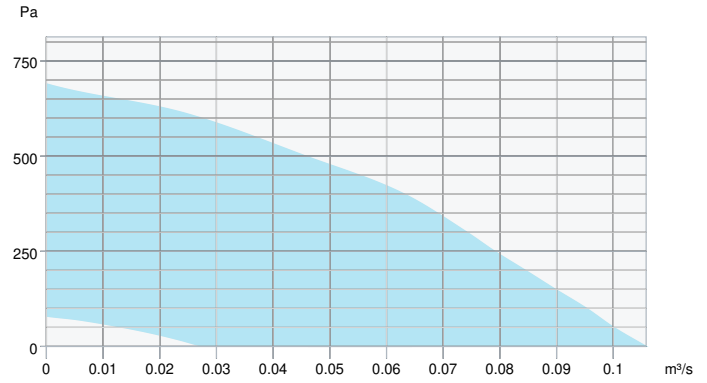
Recommended low airflow is outside valid range

Recommended high airflow is outside valid range

Supply - Performance curve



Extract - Performance curve



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

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Ecodesign

| Product | | |
|--------------------|-----------------------|-------------------------|
| Trade name | Systemair | |
| Product name | SAVE VTR 250/B R 500W | |
| Basic unit | | |
| ErP compliance | 2018 | |
| SEC Average | -35.6 | kWh/(m ² .a) |
| SEC Cold | -77.5 | kWh/(m ² .a) |
| SEC Warm | -11.5 | kWh/(m ² .a) |
| SEC Class | A | |
| Unit category | RVU | |
| Unit type | BVU | |
| Drive | Integrated VSD | |
| Heat recovery type | Regenerative | |
| Temperature ratio | 81 | % |
| qv max | 307 | m ³ /h |
| P max | 167 | W |
| Sound power (LWA) | 38 | dB(A) |
| qv ref | 0.06 | m ³ /s |
| Ps ref | 50 | Pa |
| SPI | 0.367 | W/(m ³ /h) |
| CTRL | 0.85 | |
| MISC | 1.1 | |
| x-value | 2 | |
| External Leakage | 3 | % |
| Internal Leakage | Not applicable | |
| Carry over | 4 | % |
| Type of product | RAHU/AARE | |
| AEC average | 332 | kWh/a |
| AEC cold | 332 | kWh/a |
| AEC warm | 332 | kWh/a |
| AHS Average | 4,386 | kWh/a |
| AHS Cold | 8,580 | kWh/a |
| AHS Warm | 1,983 | kWh/a |

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| Units with local demand control | | |
|---------------------------------|-------|-------------------------|
| ErP compliance | | 2018 |
| SEC Average | -40.2 | kWh/(m ² .a) |
| SEC Cold | -83.3 | kWh/(m ² .a) |
| SEC Warm | -15.5 | kWh/(m ² .a) |
| SEC Class | | A |
| Unit category | | RVU |
| Unit type | | BVU |
| Drive | | Integrated VSD |
| Heat recovery type | | Regenerative |
| Temperature ratio | 81 | % |
| qv max | 307 | m ³ /h |
| P max | 167 | W |
| Sound power (LWA) | 38 | dB(A) |
| qv ref | 0.06 | m ³ /s |
| Ps ref | 50 | Pa |
| SPI | 0.367 | W/(m ³ /h) |
| CTRL | 0.65 | |
| MISC | 1.1 | |
| x-value | 2 | |
| External Leakage | 3 | % |
| Internal Leakage | | Not applicable |
| Carry over | 4 | % |
| Type of product | | RAHU/AARE |
| AEC average | 195 | kWh/a |
| AEC cold | 194 | kWh/a |
| AEC warm | 194 | kWh/a |
| AHS Average | 4,507 | kWh/a |
| AHS Cold | 8,817 | kWh/a |
| AHS Warm | 2,038 | kWh/a |

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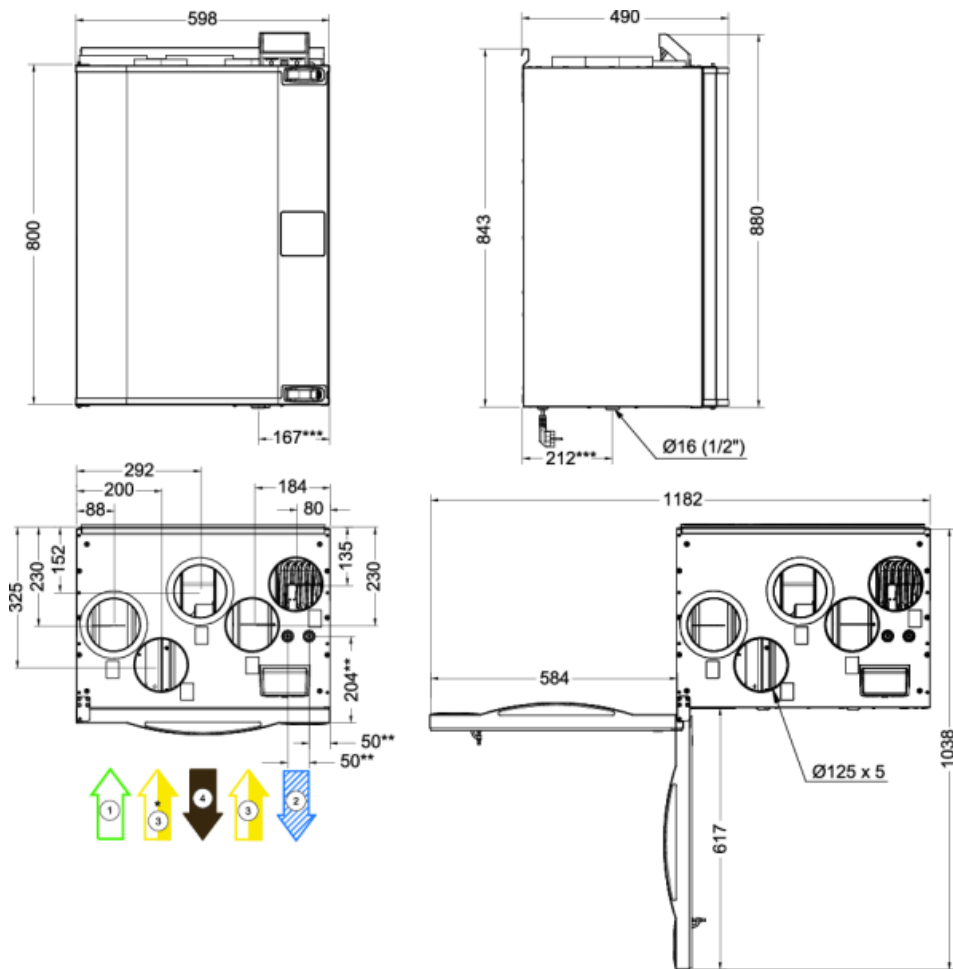
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Dimension



* Cooker hood connection

** Water battery connections

*** Drainage connection

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

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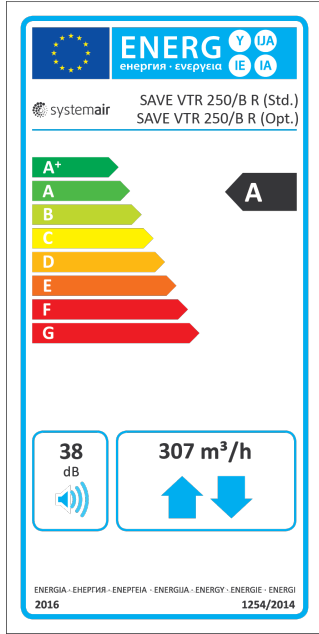
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Energy class label

Energy class, Basic unit



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Accessories

- SAVE CONNECT 2.0 (399999)
- SAVE LIGHT White (319118)
- SAVE TOUCH White (138077)
- Duct Cover White VTR 250/B (156360)
- Pressure guard with pitot tube (212987)
- RMK (153549)
- SAVE Wall Mounted Kit (140736)
- 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)
- Duct sensor -30-70C (211524)
- LDC 125-600 Silencer (5190)
- Surface sensor -30-150C (211523)
- 392-10/B Slimline White (77265)
- 602-10/B Cookerhood White (47561)
- 722-10/B TENDER Wall 600 white (78978)
- 762-10/B OPAL Wall 600 steel (78970)
- 772-10/B OPAL Free 900 steel (78972)
- 782-10/B STIL Wall 900 steel (78974)
- Ceiling Mounting kit VTR250L (151640)
- CVVX 125 Combi grille, black (26421)
- MONOLIT - B S.Steel (326801)
- Room sensor 0-50C (211525)
- SPI-125 C Iris damper (6751)
- TUNE-R-125-3-M2 (311948)
- TUNE-R-125-3-M5 (311978)
- ZTR 15-0,4 valve 3-way (9670)
- ZTV 15-0,4 2-way valve (9829)
- SAVE LIGHT Black (319119)
- SAVE TOUCH Black (138078)
- CB heater connection kit 1 ~ (142852)
- Presence detector/IR24-P (6995)
- PSS20 Transformer 24V (202692)
- RMK-T (153548)
- Systemair-E CO2 RH Temperature (211522)
- 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)
- FK 125 Fast clamp (1608)
- LDC 125-900 Silencer (5191)
- VBC 125-2 Water heating batt (5457)
- 602-10/B Cookerhood S.Steel (47562)
- 722-10/B TENDER Wall 600 steel (78976)
- 722-10/B TENDER Wall 900 steel (78977)
- 762-10/B OPAL Wall 900 steel (78971)
- 782-10/B STIL Wall 600 steel (78973)
- 792-10/B STIL Free 900 steel (78975)
- Ceiling Mounting kit VTR250R (151641)
- CVVX 125 Combi grille, white (26422)
- MONOLIT - B White (326800)
- RVAZ4 24A Actuator 0-10V (9862)
- TUNE-R-125-3-M1 (311938)
- TUNE-R-125-3-M4 (311968)
- USB-Nano-485 (282047)
- ZTR 15-0,6 valve 3-way (6573)
- ZTV 15-0,6 2-way valve (6571)

Documents

- Control panel installation quick guide
- Energy label placement quick guide
- Installation manual
- Installation manual SAVE CONNECT 2.0
- Modbus variable list
- Service and Accessories installation manual
- SYSTEMAIR_SAVE_VTR_250_DISASSEMBLY_GUIDE_EN_SE_DE_NO_FI_20181207.PDF
- User manual
- Certificate Passive House Institute - SAVE VTR 250
- Eurovent Certification Diploma
- Commissioning record
- Technical fiche
- Schematic layout and description of components
- UK Declaration of Conformity
- Electrical diagrams for accessories
- Wiring diagram

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