

# VENTO ECO A30-4 S11 PRO

## HEAT RECOVERY SINGLE-ROOM UNITS

### Features

- o Arrangement of efficient energy-saving supply and exhaust single-room ventilation in flats, houses, cottages, social and commercial premises.
- o Protection from outdoor noise.
- o Reducing heat losses caused by ventilation due to heat recovery.
- o Humidity balance and regulated air exchange create individually controlled microclimate.



**Air flow:**  
up to 30 m<sup>3</sup>/h  
8 l/s



**Heat recovery efficiency:**  
up to 81 %



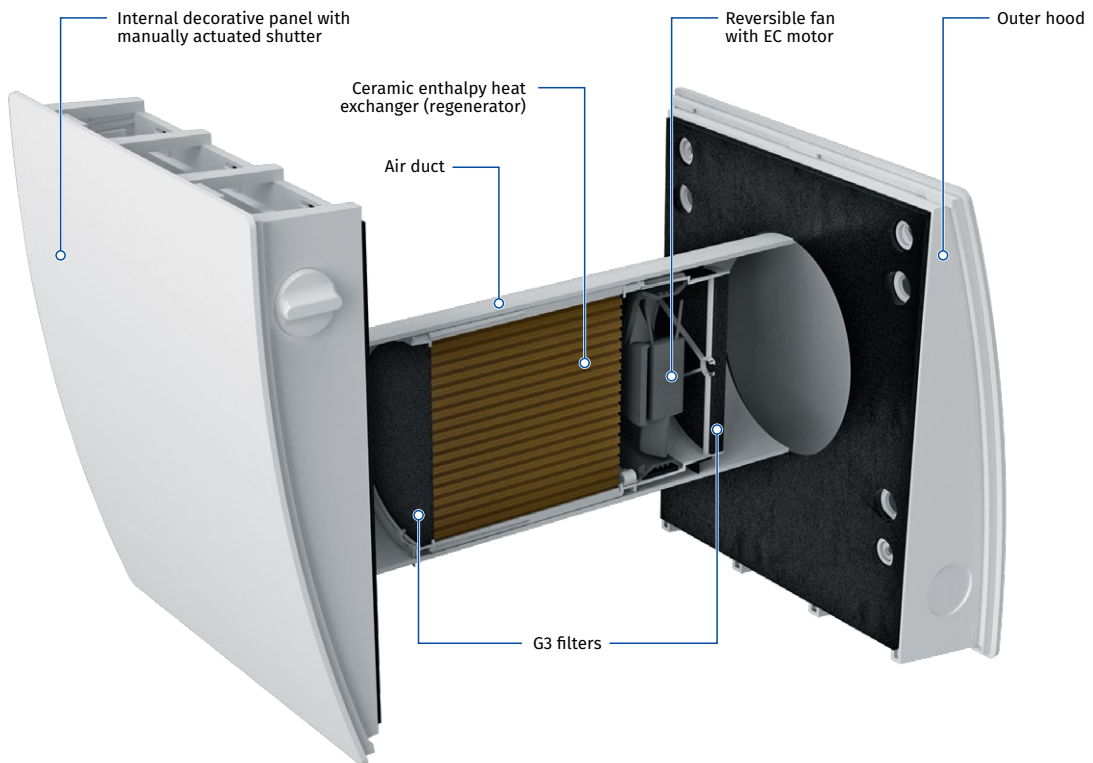
**Power:** from 1.03 W  
**SFP:** from 0.71 W/l/s



**Noise level:**  
from 21 dBA



### Design



One of the best regeneration efficiency on the market due to innovative hexagonal structure of the heat exchanger cells

### Designation key

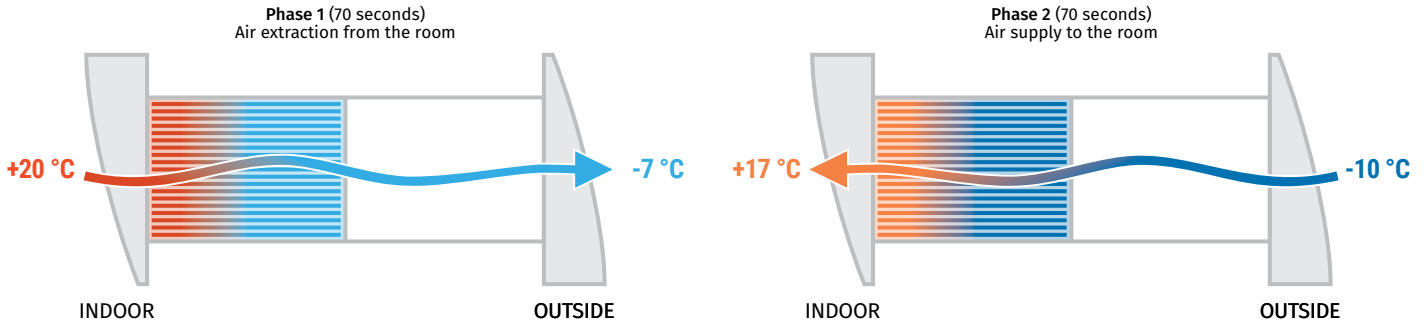
| Model     | Air duct          | Rated air flow [m <sup>3</sup> /h] | Internal grille type | Ventilation hood type  | Control                   |
|-----------|-------------------|------------------------------------|----------------------|--|---------------------------|
| Vento Eco | A: round air duct | 30                                 | 4                    | S11: plastic hood for standard walls<br>S: metal hood for thin walls | Pro: sensor control panel |

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## HEAT RECOVERY SINGLE-ROOM UNITS

### Heat and humidity regeneration

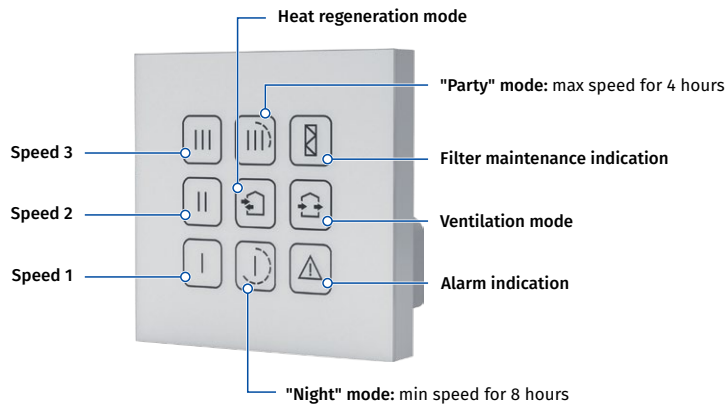
#### UNIT OPERATING LOGIC IN WINTER PERIOD



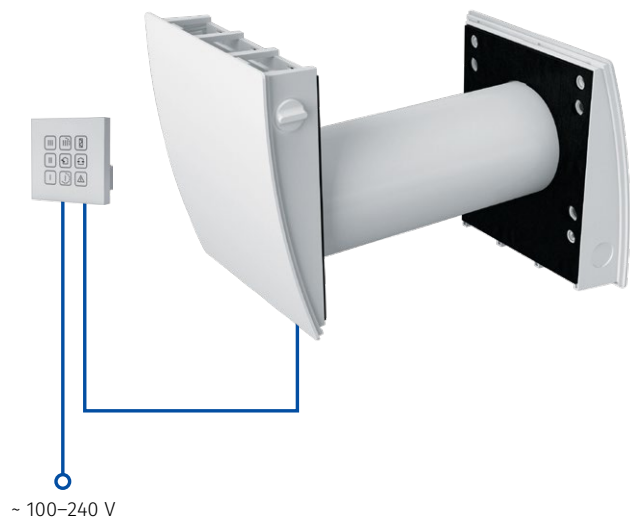
- Warm stale air is extracted from the premise, flows through the ceramic regenerator and transfers its heat energy and moisture to it.
- As the ceramic regenerator gets warmed up, the unit switches to the supply mode.
- Clean cold intake air flows through the regenerator and absorbs accumulated heat and humidity.
- When the ceramic regenerator is cooled down, the unit switches to the extract air mode.

### Control

- Control of the unit operation mode is performed by means of the sensor control panel.



- One control panel with sensor buttons can control up to two units.
- Low voltage (12 V) power supply between control panel and **Vento Eco** units.

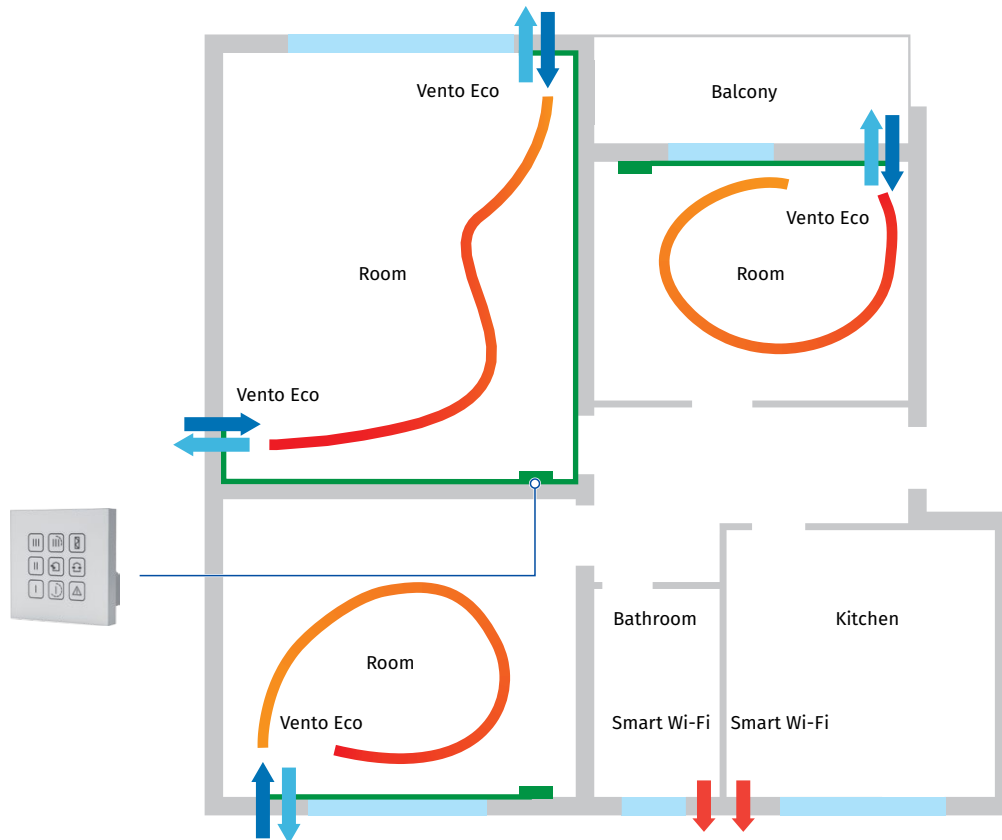


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## HEAT RECOVERY SINGLE-ROOM UNITS

### Mounting

- The unit is designed for through-the-wall installation inside a prepared hole in an outer wall of the building.
- One unit is able to ventilate a room up to 15 m<sup>2</sup>. For bigger rooms two or more units must be installed.
- The best ventilation solution is pairwise installation of reverse phase synchronized units. One unit ensures supply of fresh air to the room and the other one extracts air from the premise. This way the most efficient balanced ventilation is arranged.



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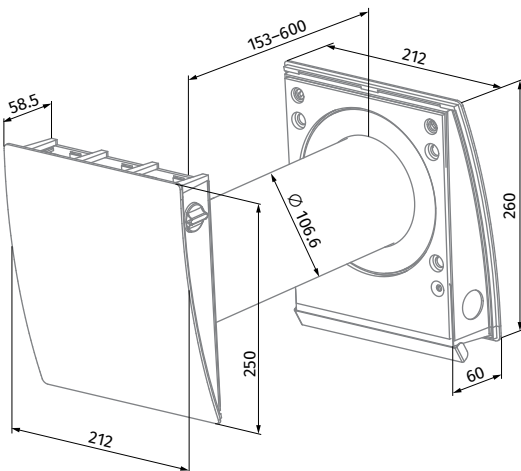
### Technical data

| Parameters  | Vento Eco A30-4 S11 Pro<br>Vento Eco A30-4 S Pro |           |        |
|---|--|-----------|--------|
|   | I  | II        | III    |
| Speed   |  |           |        |
| Voltage [V / 50 (60) Hz]  |  | 100–240   |        |
| Power [W]   | 1.03   | 1.96      | 3.47   |
| Current [A]   | 0.021  | 0.027     | 0.038  |
| RPM [min <sup>-1</sup> ]  | 1600   | 2200      | 2500   |
| Air flow in ventilation mode [m <sup>3</sup> /h (l/s)]  | 10 (3)   | 20 (6)    | 30 (8) |
| Air flow in heat recovery mode [m <sup>3</sup> /h (l/s)]                                      | 5 (1)  | 10 (3)    | 15 (4) |
| SFP [W/l/s]   | 0.74   | 0.71      | 0.83   |
| Transported air temperature [°C]  |  | -20...+40 |        |
| Heat recovery efficiency [%]  |  | up to 81  |        |
| Outdoor sound pressure attenuation according to DIN EN 20140 [dBA]                            |  | 42        |        |
| Indoor/outdoor airtightness classification of the complete unit in accordance with EN 13141-8 |  | D1        |        |
| Sound pressure level at 1 m according to ISO 3741: 2004 [dBA]                                 | 30   | 37        | 40     |
| Sound pressure level at 3 m according to ISO 3741: 2004 [dBA]                                 | 21   | 28        | 31     |
| Ingress protection rating   |  | IP24      |        |

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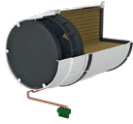

















































### Overall dimensions [mm]



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## HEAT RECOVERY SINGLE-ROOM UNITS

### Accessories

| Name  |   | Description  |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
|---|---|--|---|---|---|---|---|---|---|-------|-------|-----------------|-------|------------|-------|---------|
| Completion Kit Vento Eco A30-4  |      | Indoor grille and cartridge with heat regenerator, fan and G3 filters  |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| ZL1 Vento 100   |      | Cartridge with heat regenerator for cold climate   |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| FP2 Vento G3  |      | G3 filters (2 pcs.)  |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| AH-8 white 100  |      | White painted aluminium outer ventilation hood with frost protection for a cold climate  |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| AH-8 chrome 100   |     | Brushed stainless steel outer ventilation hood with frost protection for a cold climate  |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| AH-10 *colour* 100  |    | Plastic outer ventilation hood. Available in colours: <table border="0" style="display: inline-table; vertical-align: middle;"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>white</td> <td>black</td> <td>grey</td> <td>terracotta</td> <td>brown</td> <td>vintage</td> </tr> </table>   |  |  |  |  |  |  | white   | black | grey  | terracotta      | brown | vintage    |       |         |
|  |  |   |  |  |  |   |   |   |   |       |       |                 |       |            |       |         |
| white   | black   | grey   | terracotta  | brown   | vintage   |   |   |   |   |       |       |                 |       |            |       |         |
| AH-10 chrome 100  |    | Plastic outer ventilation hood with a plate with brushed stainless steel effect finish   |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| AH-11 *colour* 100  |    | Plastic outer ventilation hood. Available in colours: <table border="0" style="display: inline-table; vertical-align: middle;"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>white</td> <td>black</td> <td>anthracite grey</td> <td>grey</td> <td>terracotta</td> <td>brown</td> <td>vintage</td> </tr> </table> |  |  |  |  |  |  |  | white | black | anthracite grey | grey  | terracotta | brown | vintage |
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| white   | black   | anthracite grey  | grey  | terracotta  | brown   | vintage   |   |   |   |       |       |                 |       |            |       |         |
| AH-S chrome 100   |    | Outer ventilation hood for thin wall made of brushed stainless steel   |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| AH-S white 100  |    | Outer ventilation hood for thin wall made of stainless steel, painted white  |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| KIT BlauPlast white 100   |    | Kit for angular mounting with white colour grille (for walls with standard thickness)  |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |
| KIT BlauPlast chrome 100  |    | Kit for angular mounting with stainless steel outer grille (for walls with standard thickness)   |   |   |   |   |   |   |   |       |       |                 |       |            |       |         |

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| Name                       |   | Description   |
|----------------------------|---|---|
| BlauPlast RTR 100/0.35-0.5 |  | Telescopic air duct with the diameter of 100 mm and adjustable length from 350 to 500 mm  |
| BlauPlast RTR 100/0.5-1    |  | Telescopic air duct with the diameter of 100 mm and adjustable length from 500 to 1000 mm |
| SE Vento Eco A30 Pro       |  | Sensor control panel  |