



VENTO Expert A100-1 S W V.2

Single-room heat recovery units with Wi-Fi control

- Air flow in heat recovery mode: 54
- Sound pressure level LpA at 3 m: 42
- Sound pressure level LpA at 1 m: 51
- Heat exchanger type: Reversible
- Filter: G3 (Option: F7 PM2.5 > 99 %)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Control: Smartphone
- Humidity sensor: Built-in
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional
- Temperature sensor: Optional
- Shutters

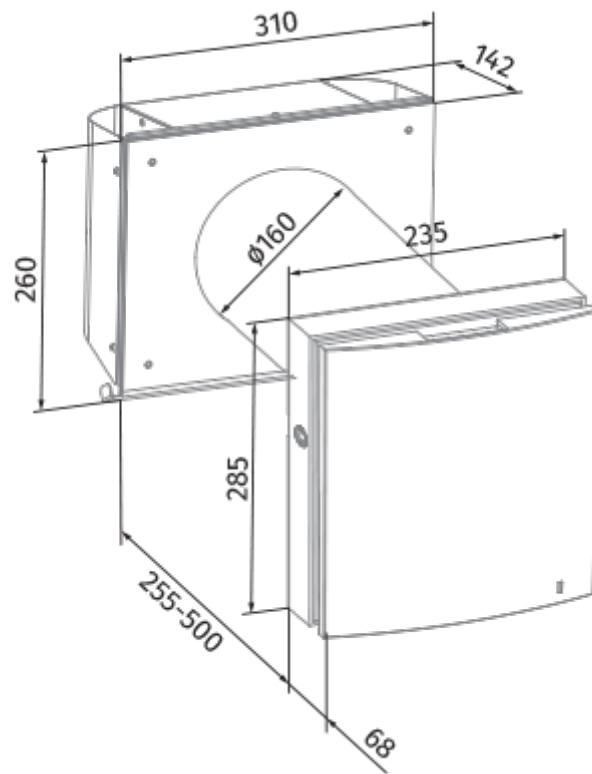
| | Unit of measurement | VENTO Expert A100-1 S W V.2 | | | |
|-----------------------------------|---------------------|------------------------------|-------|-------|-------|
| Speed | - | 4 | | | |
| Minimum supply voltage | V | 100 | | | |
| Maximum supply voltage | V | 240 | | | |
| Power supply frequency | Hz | 50/60 | | | |
| Rated power | W | 3.20 | 4.00 | 6.60 | 18.00 |
| Unit current | A | 0.037 | 0.046 | 0.071 | 0.151 |
| Air flow in ventilation mode | m ³ /h | 18 | 30 | 58 | 108 |
| Air flow in heat recovery mode | m ³ /h | 9 | 15 | 29 | 54 |
| rotation speed at 50hz | - | 780 | 1100 | 1920 | 2940 |
| Sound pressure level LpA at 3 m | dB(A) | 13 | 18 | 30 | 42 |
| Sound pressure level LpA at 1 m | dB(A) | 23 | 27 | 40 | 51 |
| Heat recovery efficiency, max | % | 87 | | | |
| Heat exchanger type | - | Reversible | | | |
| Heat exchanger material | - | Ceramic | | | |
| Filter | - | G3 (Option: F7 PM2.5 > 99 %) | | | |
| Transported air temperature (max) | °C | 40 | | | |
| Transported air temperature (min) | °C | -20 | | | |
| Ambient air temperature min | °C | 1 | | | |
| Ambient air temperature max | °C | 40 | | | |
| Ambient air humidity max | % | 80 | | | |

Ingress protection rating

-

IP24

Dimensions





Ecodesign



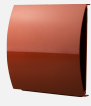










| | | | | | | |
|-------------------------------------------------------------|-----------------------------|----|---------|---|-------|---|
| Trademark | Blauberg | | | | | |
| Model | VENTO Expert A100-1 S W V.2 | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | -78.3 | A+ | -38.4 | A | -15.6 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Regenerative | | | | | |
| Thermal efficiency of heat recovery (%) | 68 | | | | | |
| Maximum flow rate (m ³ /h) | 54 | | | | | |
| Electric power input (W) | 18 | | | | | |
| Reference flow rate (m ³ /s) | 0.008 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.228 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Mixing rate (%) | 1 | | | | | |
| Airflow sensitivity at +20 Pa and -20 Pa (%) | 0.2 | | | | | |
| The indoor/outdoor air tightness (m ³ /h) | 5.2 | | | | | |
| Sound power level (dB(A)) | 50 | | | | | |
| Declared typology | RVU BVU | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 132 | | 132 | | 132 | |



Accessories


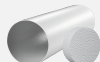
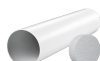
Hoods

| Name | Photo | Description |
|---------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| AH-10 beige 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-10 black 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-10 brown 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |

| | | |
|--------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| AH-10 chrome 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-10 grey 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-10 terracotta 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-10 white 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-11 vintage 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-11 black 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-11 brown 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-11 grey 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-11 terracotta 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| AH-11 white 160 |  | Plastic hoods decoration of supply and exhaust vents of public, residential and industrial ventilation systems |
| PP 160/0.5 |  | The outer hood is designed to prevent the ingress of water and large objects into the ventilation equipment from outside |

Other accessories


| Name | Photo | Description |
|-------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
| AH-S chrome 160 |  | Stainless steel ventilation hood |
| KIT BlauPlast white 160 |  | Kit for angular mounting (for walls with standard thickness) |

| | | |
|--------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------|
| KIT BlauPlast chrome 160 |  | Kit for angular mounting (for walls with standard thickness) |
| R 160-500 |  | Air duct 160 mm and polystyrene foam plug |
| R 160-700 |  | Air duct 160 mm and polystyrene foam plug |



Other accessories

| Name | Photo | Description |
|-----------------------------------|-----------------------------------------------------------------------------------|---------------|
| SE Vento Expert W |  | Control panel |

Other accessories

| Name | Photo | Description |
|-------------------------------------|-------------------------------------------------------------------------------------|----------------|
| FB Vento Expert A50 |  | Remote control |

Other accessories

| Name | Photo | Description |
|----------------------|-------------------------------------------------------------------------------------|-------------|
| CD-1 |  | CO2 sensors |
| CD-2 |  | CO2 sensors |