

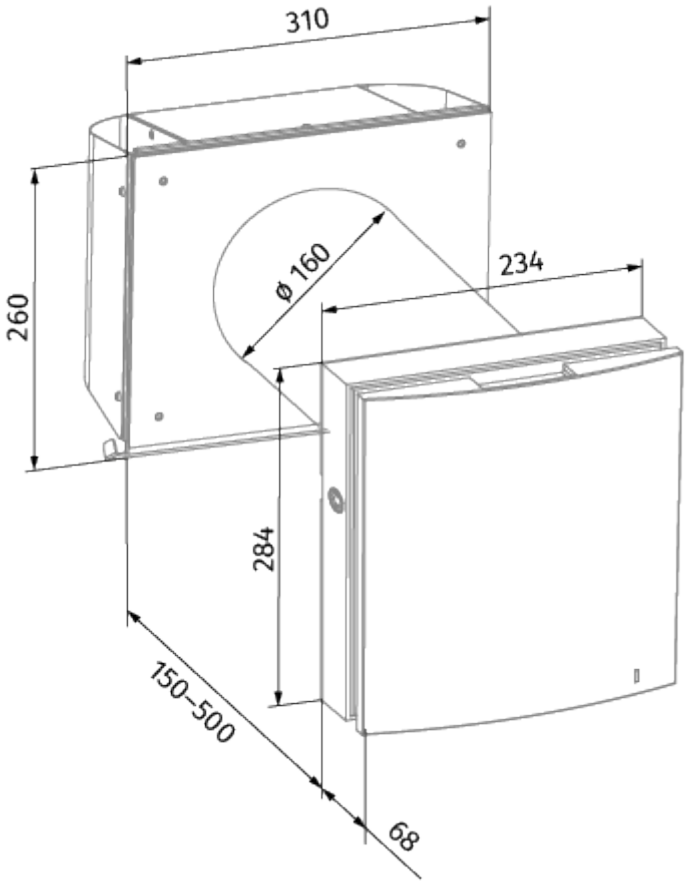
# Vento Expert A50-1 S Pro

Heat recovery single-room units

- Air flow in heat recovery mode: 25
- Sound pressure level LpA at 3 m: 21
- Sound pressure level LpA at 1 m: 30
- Heat exchanger type: Reversible
- Heat exchanger material: Ceramic
- Filter: G3 (F8 PM2.5 > 99 %)
- Sound-insulated casing
- Enthalpy heat exchanger
- Control: Remote Control, Built-in control panel
- Casing material: Plastic
- Humidity sensor

| | Unit of measurement | Vento Expert A50-1 S Pro | | |
|---|---|---|---|---|
| Phases | - | 1 | | |
| Maximum supply voltage | V | 240 | | |
| Minimum supply voltage | V | 100 | | |
| Power supply frequency | Hz | 50/60 | | |
| Rated power | W | 3.61 | 4.15 | 5.2 |
| Unit current | A | 0.025 | 0.03 | 0.039 |
| Air flow in ventilation mode | m³/h | 15 | 30 | 50 |
| Air flow in heat recovery mode | m³/h | 8 | 15 | 25 |
| Rotation speed at 50hz | - | 800 | 1300 | 1900 |
| Sound pressure level LpA at 3 m | dB(A) | 11 | 18 | 21 |
| Sound pressure level LpA at 1 m | dB(A) | 20 | 27 | 30 |
| Heat recovery efficiency, max | % | 93 | | |
| Heat exchanger type | - | Reversible | | |
| Heat exchanger material | - | Ceramic | | |
| Filter | - | G3 (F8 PM2.5 > 99 %) | | |
| Transported air temperature (max) | °C | 40 | | |
| Transported air temperature (min) | °C | -20 | | |
| Ingress protection rating | - | IP24 | | |

## Dimensions



## Ecodesign

| | | | | | | |
|---|---|---|---|---|---|---|
| Trademark | Blauberg | | | | | |
| Model | Vento Expert A50-1 S Pro | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | 83.1 | A+ | 41.3 | A | 17.3 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | 3-speed | | | | | |
| Type of heat recovery system | Regenerative | | | | | |
| Thermal efficiency of heat recovery (%) | 77 | | | | | |
| Maximum flow rate (m³/h) | 50 | | | | | |
| Electric power input (W) | 5.2 | | | | | |
| Reference flow rate (m³/s) | 0.008 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.138 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Mixing rate (%) | 1 | | | | | |
| Airflow sensitivity at +20 Pa and -20 Pa (%) | 0.4 | | | | | |
| The indoor/outdoor air tightness (m³/h) | 0.5 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 38 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 100 | | 100 | | 100 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 86 | | 44 | | 20 | |