

# VUTR 200 VK EC L A21

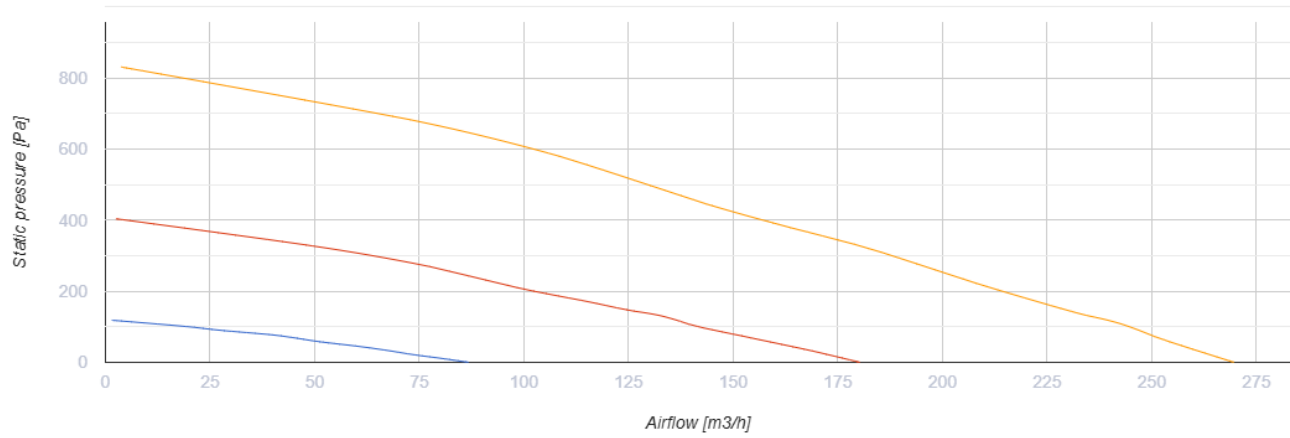


Air handling units in a heat- and sound-insulated casing

- Maximum airflow: 270
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: G4 (F7 optional)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

|                                   | Unit of measurement | VUTR 200 VK EC L A21 |
|-----------------------------------|---------------------|----------------------|
| Connected air duct size           | mm                  | 125                  |
| Speed                             | -                   | 1                    |
| Phases                            | -                   | 1                    |
| Minimum supply voltage            | V                   | 230                  |
| Maximum supply voltage            | V                   | 230                  |
| Power supply frequency            | Hz                  | 50                   |
| Rated power                       | W                   | 171                  |
| Unit current                      | A                   | 1.31                 |
| Maximum airflow                   | m <sup>3</sup> /h   | 270                  |
| Sound pressure level LpA at 3 m   | dB(A)               | 33                   |
| Heat recovery efficiency, max     | %                   | 93                   |
| Heat exchanger type               | -                   | Rotary               |
| Heat exchanger material           | -                   | Aluminum             |
| Weight                            | kg                  | 52                   |
| Extract filter                    | -                   | G4                   |
| Supply filter                     | -                   | G4 (F7 optional)     |
| Transported air temperature (max) | °C                  | 40                   |
| Transported air temperature (min) | °C                  | -25                  |
| Ambient air temperature min       | °C                  | 1                    |

|  |    |      |
|--|----|------|
| Ambient air temperature max            | °C | 40   |
| Ambient air humidity max               | %  | 60   |
| Ingress protection rating              | -  | IP22 |
| Ingress protection rating of the drive | -  | IP44 |






## Dimensions

| H   | W   | W1  | W2  | L   | L1  |
|-----|-----|-----|-----|-----|-----|
| 746 | 596 | 408 | 173 | 326 | 338 |



## Accessories

### Control Panels for AHU




| Name                     | Photo   | Description   |
|--------------------------|---|---|
| <a href="#">A25</a>      |  | The control panel with a sensor display   |
| <a href="#">A22</a>      |  | The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system. |
| <a href="#">A22 WiFi</a> |  | The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system. |

### Sensors



| Name                 | Photo   | Description                    |
|----------------------|---|--------------------------------|
| <a href="#">HR-S</a> |  | Electro-mechanical humidistats |

|                       |   |             |
|-----------------------|---|-------------|
| <a href="#">CO2-1</a> |  | CO2 sensors |
|-----------------------|---|-------------|


### For round ducts

| Name                        | Photo   | Description   |
|-----------------------------|---|---|
| <a href="#">SR 125/600</a>  |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| <a href="#">SR 125/900</a>  |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| <a href="#">SR 125/1200</a> |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |

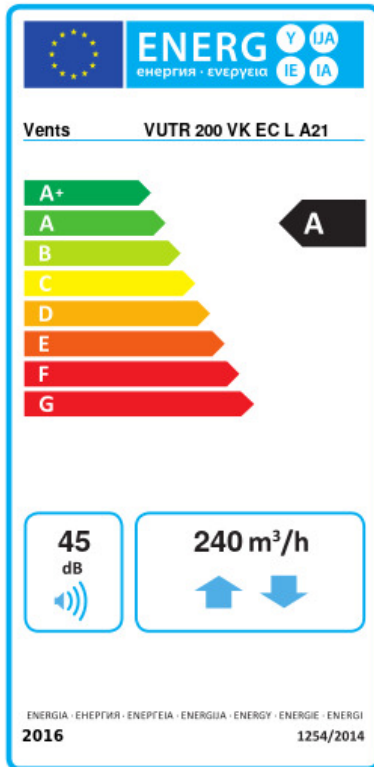
### For round ducts

| Name                    | Photo   | Description  |
|-------------------------|---|--|
| <a href="#">KOM 125</a> |   | Spring-loaded backdraft damper for round ducts     |
| <a href="#">KRV 125</a> |  | Air damper for air flow cut-off in round air ducts |

### Electric actuators

| Name                         | Photo   | Description  |
|------------------------------|---|--|
| <a href="#">Belimo TF230</a> |  | The actuators are designed for controlling air dampers with cross section up to 0.4 m <sup>2</sup> performing protection functions |

## Ecodesign



|   |                      |    |         |   |      |   |
|---|----------------------|----|---------|---|------|---|
| Trademark   | Vents                |    |         |   |      |   |
| Model   | VUTR 200 VK EC L A21 |    |         |   |      |   |
| Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a)) | Cold                 |    | Average |   | Warm |   |
|   | 85.6                 | A+ | 41.1    | 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 (%)                     | 88                   |    |         |   |      |   |
| Maximum flow rate (m <sup>3</sup> /h)                       | 240                  |    |         |   |      |   |
| Electric power input (W)                                    | 170                  |    |         |   |      |   |
| Reference flow rate (m <sup>3</sup> /s)                     | 0.047                |    |         |   |      |   |
| Reference pressure difference (Pa)                          | 50                   |    |         |   |      |   |
| Specific power input (SPI) (W/(m <sup>3</sup> /h))          | 0.411                |    |         |   |      |   |
| Control typology  | Local demand control |    |         |   |      |   |
| Maximum internal leakage rates (%)                          | 3.3                  |    |         |   |      |   |
| Maximum external leakage rates (%)                          | 2.7                  |    |         |   |      |   |
| Sound power level (dB(A))                                   | 45                   |    |         |   |      |   |
| Declared typology   | RVU BVU              |    |         |   |      |   |
| The annual electricity consumption (AEC) (kWh/a)            | Cold                 |    | Average |   | Warm |   |
|   | 217                  |    | 869     |   | 217  |   |
| The annual heating saved (AHS) (kWh/a)                      | Cold                 |    | Average |   | Warm |   |
|   | 9100                 |    | 4652    |   | 2104 |   |