

VUT 300-2 E2V EC



Air handling units with heat recovery for cold climate

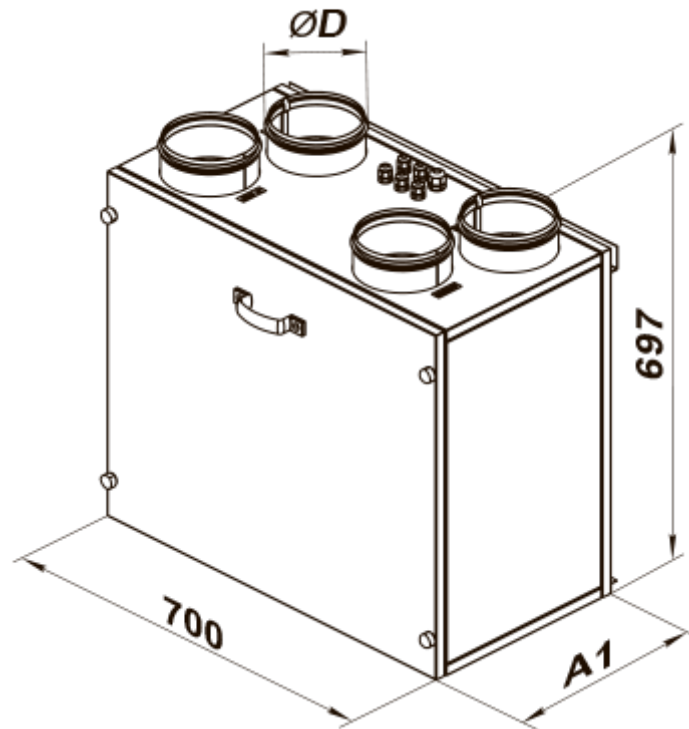
- Power of electrical reheater: 4000
- Maximum airflow: 300
- Sound pressure level LpA at 3 m: 37
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (F7 option)
- Motor type: EC
- Reheater: Electric
- Control: Remote Control
- Casing material: Aluzinc

| | Unit of measurement | VUT 300-2 E2V EC |
|-----------------------------------|---------------------|------------------|
| Connected air duct size | mm | 160 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50 |
| Rated power | W | 212 |
| Power of electrical reheater | W | 4000 |
| Unit current | A | 18.8 |
| Maximum airflow | m ³ /h | 300 |
| Sound pressure level LpA at 3 m | dB(A) | 37 |
| Heat recovery efficiency, max | % | 95 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 38 |
| Extract filter | - | G4 |
| Supply filter | - | G4 (F7 option) |
| Transported air temperature (max) | °C | 60 |
| Transported air temperature (min) | °C | -39 |
| Ambient air temperature min | °C | 1 |
| Ambient air temperature max | °C | 40 |
| Ambient air humidity max | % | 80 |

| | | |
|--|---|------|
| Ingress protection rating | - | IP22 |
| Ingress protection rating of the drive | - | IP44 |





Dimensions



| ØD | A1 |
|-----|-----|
| 160 | 403 |





Accessories

For round ducts


| Name | Photo | Description |
|-----------------------------|---|---|
| SR 160/600 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| SR 160/900 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| SR 160/1200 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| SRF 160/600 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |

| | | |
|------------------------------|---|---|
| SRF 160/900 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| SRF 160/2000 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |





For round ducts

| Name | Photo | Description |
|--------------------------|---|--|
| KOM 160 |  | Spring-loaded backdraft damper for round ducts |
| KOMu 160 |  | Spring-loaded backdraft damper for round ducts |

Sensors

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

Electric actuators

| Name | Photo | Description |
|------------------------------|---|---|
| Belimo LF24 |  | The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m ² performing protection functions |
| Belimo LF230 |  | The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m ² performing protection functions |
| Belimo TF24 |  | The actuators are designed for controlling air dampers with cross section up to 0.4 m ² performing protection functions |
| Belimo TF230 |  | The actuators are designed for controlling air dampers with cross section up to 0.4 m ² performing protection functions |

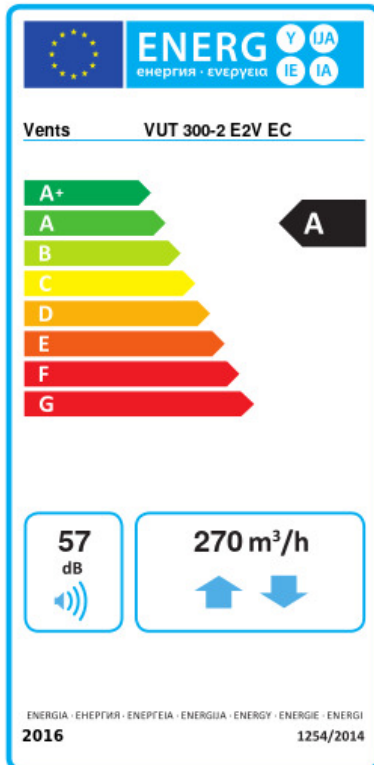
Fittings

| Name | Photo | Description |
|------|-------|-------------|
|------|-------|-------------|

[C 160](#)

The clamps are designed for quick and reliable mounting and connection of various round ventilation system components. Clamps are made of stainless and galvanized steel band

Ecodesign



| | | | | | | |
|---|----------------------|----|---------|---|-------|---|
| Trademark | Vents | | | | | |
| Model | VUT 300-2 E2V EC | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | -78.6 | A+ | -39.3 | A | -14.1 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 89 | | | | | |
| Maximum flow rate (m ³ /h) | 270 | | | | | |
| Electric power input (W) | 205 | | | | | |
| Reference flow rate (m ³ /s) | 0.053 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.529 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 57 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 862 | | 325 | | 280 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 9141 | | 4673 | | 2113 | |