

VUE 160 V1B EC A21

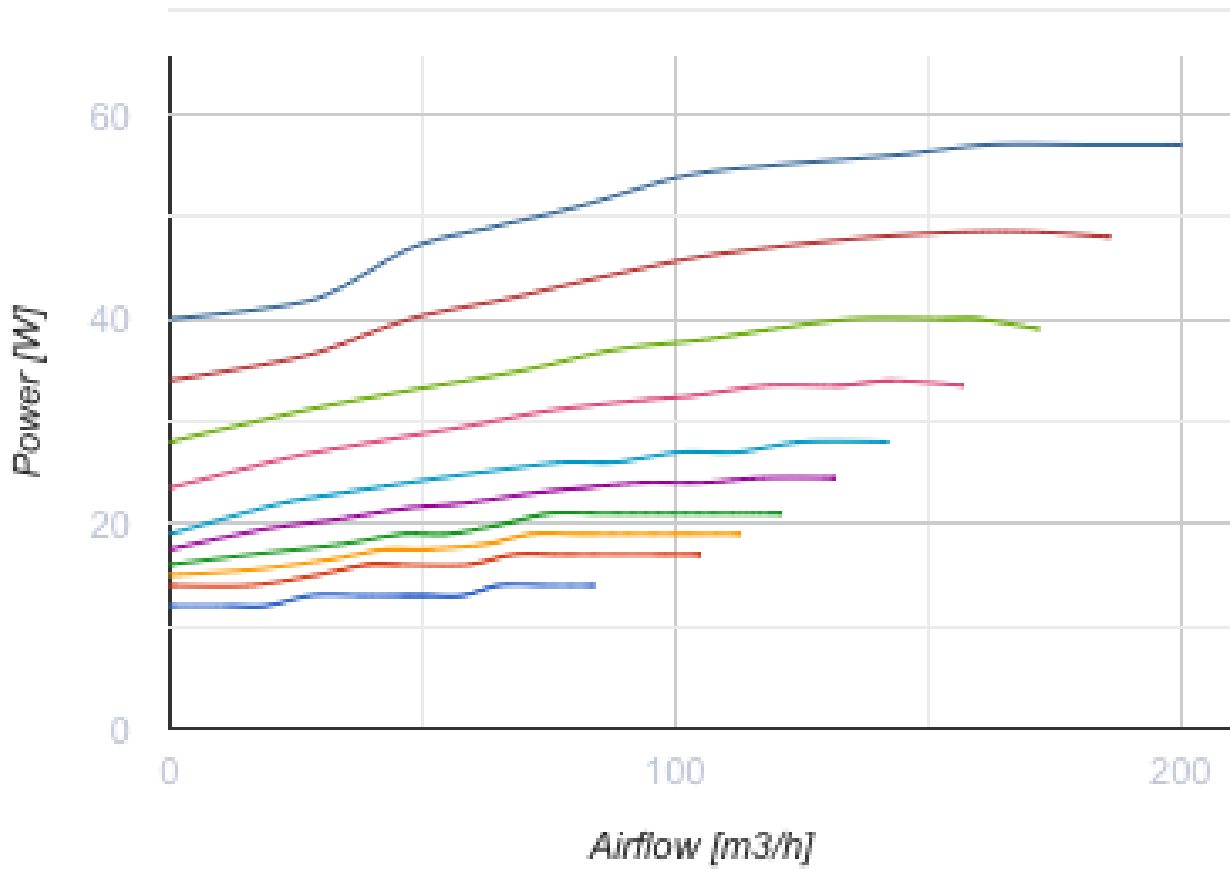


Vertical air handling units with a counterflow polystyrene or enthalpy heat exchanger

- Maximum airflow: 200
- Sound pressure level LpA at 3 m: 22
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: F7 (G4 optional)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

| | Unit of measurement | VUE 160 V1B EC A21 |
|-----------------------------------|---------------------|--------------------|
| Connected air duct size | mm | 125 |
| Speed | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 57 |
| Unit current | A | 0.5 |
| Maximum airflow | m ³ /h | 200 |
| Sound pressure level LpA at 3 m | dB(A) | 22 |
| Heat recovery efficiency, max | % | 92 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Enthalpy |
| Weight | kg | 44 |
| Extract filter | - | G4 |
| Supply filter | - | F7 (G4 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 | - | IP20 |

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






Dimensions

| ØD | B | H | L |
|-----|-----|-----|-----|
| 125 | 370 | 620 | 640 |







Accessories




Control Panels for AHU

| Name | Photo | Description |
|--------------------------|---|--|
| A25 |  | Touch screen control panel for controlling industrial and residential air handling units |
| A22 |  | Control panels for controlling industrial and residential air handling units |
| A22 WiFi |  | Control panels for controlling industrial and residential air handling units |

Sensors

| Name | Photo | Description |
|-----------------------|---|-------------------------------|
| HV2 |  | Humidity sensor |
| CO2-1 |  | CO2 sensors |
| CO2-2 |  | CO2 sensors |
| HR-S |  | Electro-mechanical humidistat |


Electrical heaters

| Name | Photo | Description |
|---------------------------------------|---|--|
| NKP 125-0,6-1 A21 V.2 |  | Inline heaters for heat exchanger frost protection |
| NKP 125-0,8-1 A21 V.2 |  | Inline heaters for heat exchanger frost protection |
| NKP 125-1,2-1 A21 V.2 |  | Inline heaters for heat exchanger frost protection |
| NKD 125-0,6-1 A21 V.2 |  | Inline supply air reheaters with external control |
| NKD 125-0,8-1 A21 V.2 |  | Inline supply air reheaters with external control |
| NKD 125-1,2-1 A21 V.2 |  | Inline supply air reheaters with external control |



For round ducts

| Name | Photo | Description |
|-------------------------|---|---|
| KRV 125 |  | Air dampers for automatic air flow control in round ducts |

Electric actuators

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

Other accessories

| Name | Photo | Description |
|------------------|---|-----------------|
| SF 285x195x10 G4 |  | Panel filter G4 |
| SF 285x195x10 F7 |  | F7 panel filter |

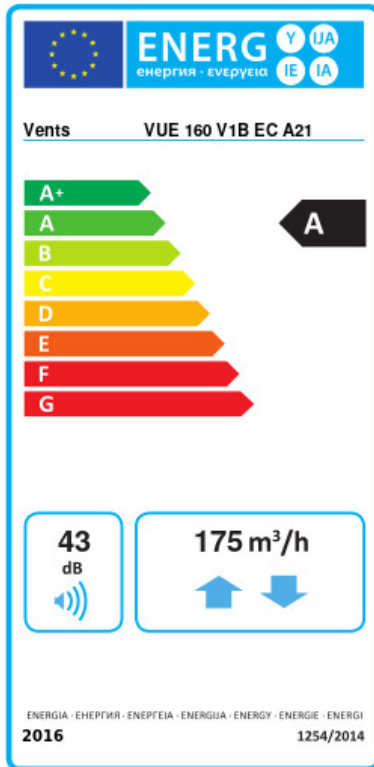
Flanges

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

[KH-1](#)

Kitchen hood for removing combustion products, vapors and odors from the air

Ecodesign



| | | | | | | |
|---|----------------------|----|---------|---|-------|---|
| Trademark | Vents | | | | | |
| Model | VUE 160 V1B EC A21 | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | -78.7 | A+ | -41.4 | A | -17.3 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 79 | | | | | |
| Maximum flow rate (m ³ /h) | 175 | | | | | |
| Electric power input (W) | 57 | | | | | |
| Reference flow rate (m ³ /s) | 0.036 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.215 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Sound power level (dB(A)) | 43 | | | | | |
| Declared typology | RVU BVU | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 696 | | 159 | | 114 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8736 | | 4466 | | 2019 | |