

VUE 400 HB EC A21

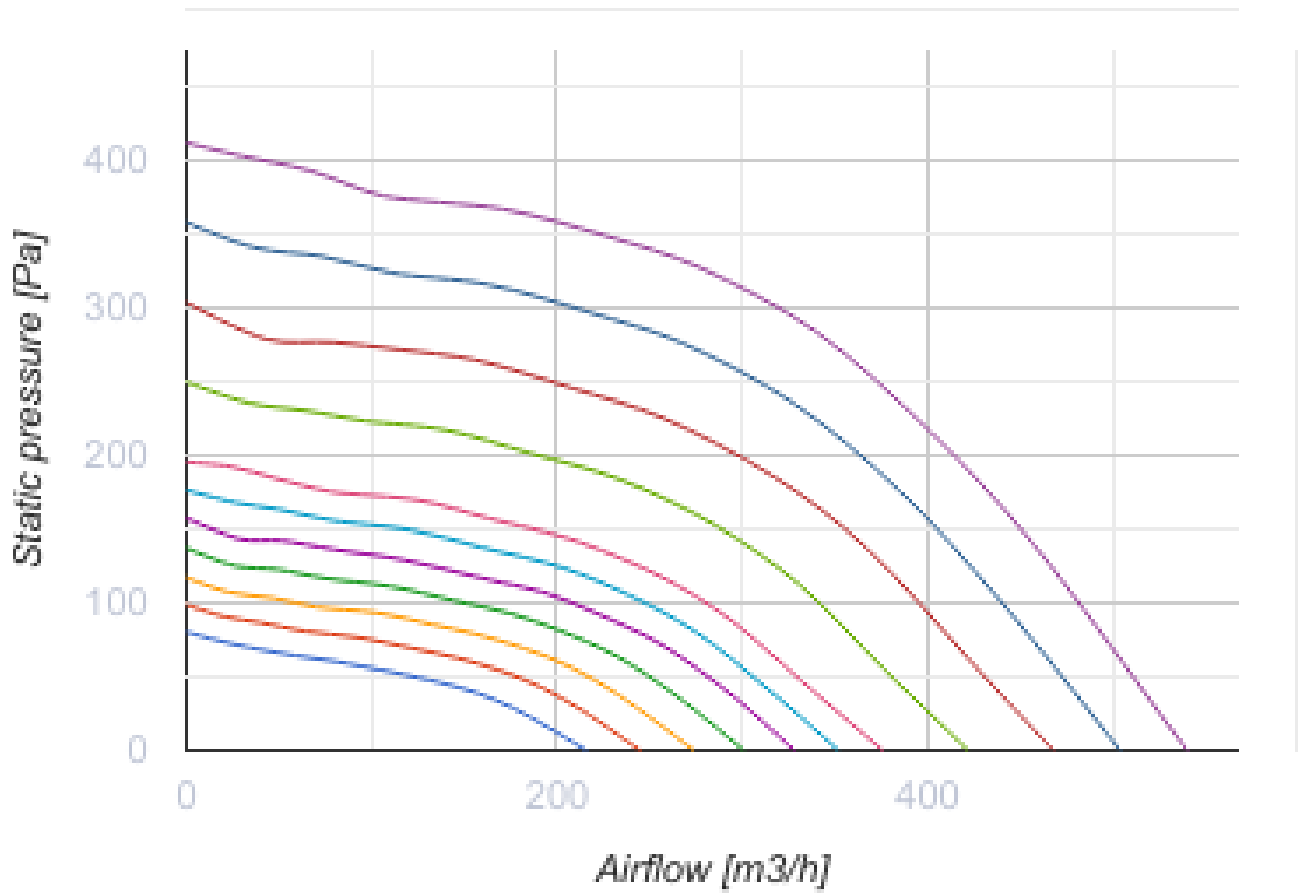


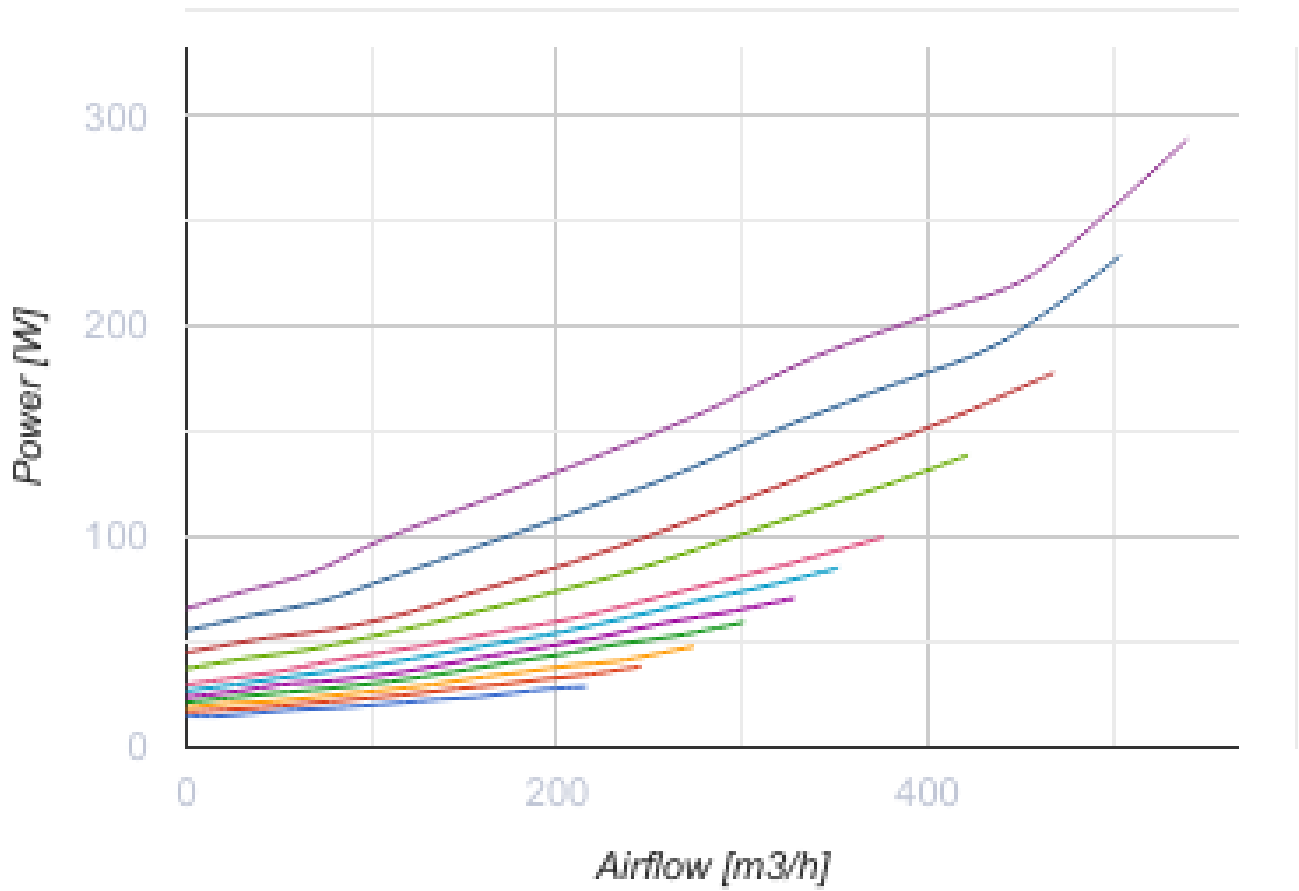
Horizontal air handling units with a counterflow enthalpy heat exchanger

- Maximum airflow: 540
- Sound pressure level LpA at 3 m: 27
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4+F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

| | Unit of measurement | VUE 400 HB EC A21 |
|-----------------------------------|---------------------|-------------------|
| Connected air duct size | mm | 200 |
| Speed | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 289 |
| Unit current | A | 2.1 |
| Maximum airflow | m ³ /h | 540 |
| Sound pressure level LpA at 3 m | dB(A) | 27 |
| Heat recovery efficiency, max | % | 89 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Enthalpy |
| Weight | kg | 74.8 |
| Extract filter | - | G4 |
| Supply filter | - | G4+F7 |
| 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 | % | 80 |
| Ingress protection rating | - | IP22 |

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








Dimensions

| ØD | B | B1 | B2 | H | H1 | H2 | L | L1 |
|-----|-----|-----|-----|-----|-----|-----|------|------|
| 197 | 682 | 248 | 217 | 504 | 201 | 141 | 1094 | 1191 |







Accessories





Control Panels for AHU



| Name | Photo | Description |
|--------------------------|---|---|
| A25 |  | The control panel with a sensor display |
| A22 |  | The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system. |
| A22 WiFi |  | 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 |
|-----------------------|---|--------------------------------|
| HV2 |  | Humidity sensor |
| CO2-1 |  | CO2 sensors |
| CO2-2 |  | CO2 sensors |
| HR-S |  | Electro-mechanical humidistats |

Electrical heaters



| Name | Photo | Description |
|---------------------------------------|---|---|
| NKD 200-1,2-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 200-1,7-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 200-2,0-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKP 200-1,2-1 A21 V.2 |  | Heater for heat exchanger freeze protection |

| | | |
|---------------------------------------|---|---|
| NKP 200-1,7-1 A21 V.2 |  | Heater for heat exchanger freeze protection |
| NKP 200-2,0-1 A21 V.2 |  | Heater for heat exchanger freeze protection |


For round ducts

| Name | Photo | Description |
|-----------------------------|---|---|
| SR 200/600 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| SR 200/900 |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| SR 200/1200 |  | 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 200 |  | Spring-loaded backdraft damper for round ducts |
| KRV 200 |  | Air damper for air flow cut-off in round air ducts |

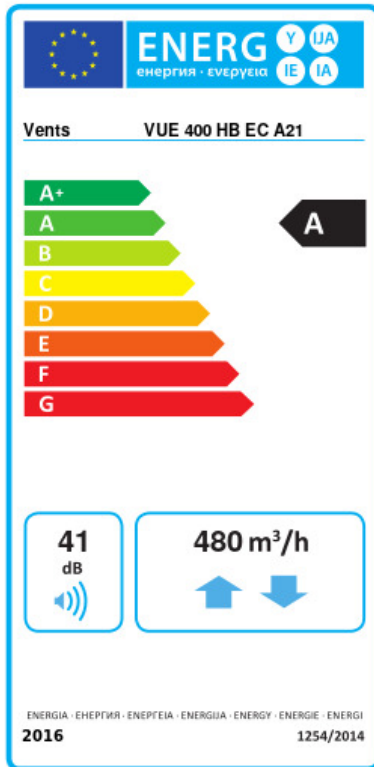
Electric actuators

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

Other accessories

| Name | Photo | Description |
|------------------|---|-----------------|
| SF 600x205x48 G4 |  | Panel filter G4 |
| SF 600x205x48 F7 |  | F7 panel filter |

Ecodesign



| | | | | | | |
|---|----------------------|----|---------|---|-------|---|
| Trademark | Vents | | | | | |
| Model | VUE 400 HB EC A21 | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | -79.2 | A+ | -41.3 | A | -16.9 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 82 | | | | | |
| Maximum flow rate (m ³ /h) | 480 | | | | | |
| Electric power input (W) | 240 | | | | | |
| Reference flow rate (m ³ /s) | 0.092 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.268 | | | | | |
| 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)) | 41 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 724 | | 187 | | 142 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8857 | | 4528 | | 2047 | |