

VUT 250 VBE EC R A21



Air handling units in heat- and sound-insulated casing equipped with a counter-flow polystyrene heat exchanger

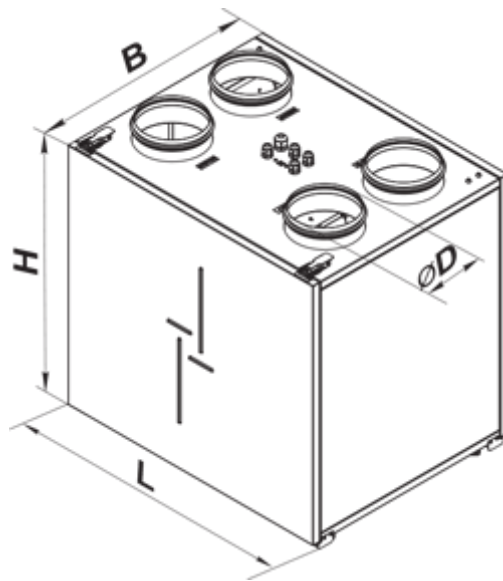
- Power of electrical preheater: 1400
- Maximum airflow: 390
- Sound pressure level LpA at 3 m: 35
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (F7 -Option)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Built-in
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

| | Unit of measurement | VUT 250 VBE EC R A21 |
|-----------------------------------|---------------------|----------------------|
| Connected air duct size | mm | 160 |
| Speed | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 180 |
| Power of electrical preheater | W | 1400 |
| Unit current | A | 7.46 |
| Maximum airflow | m ³ /h | 390 |
| Sound pressure level LpA at 3 m | dB(A) | 35 |
| Heat recovery efficiency, max | % | 95 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 66 |
| Extract filter | - | G4 |
| Supply filter | - | G4 (F7 -Option) |
| 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 |
|-----|-----|-----|-----|
| 160 | 560 | 970 | 560 |







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 |
| DPWC11200 |  | Humidity sensor |

VOC sensors


| Name | Photo | Description |
|---------------------------|---|-------------|
| DPWQ30600 |  | VOC sensors |
| DPWQ40200 |  | CO2 sensor |

Electrical heaters

| Name | Photo | Description |
|---------------------------------------|---|---|
| NKD 160-0,8-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 160-1,2-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 160-1,7-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 160-2,0-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |

Condensation drainage


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

| | | |
|-----------------------|---|---|
| SH-32 |  | The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems |
|-----------------------|---|---|



For round ducts

| Name | Photo | Description |
|-------------------------|---|--|
| KRV 160 |  | Air damper for air flow cut-off in round air 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 340x170x48 G4 |  | Panel filter G4 |
| SF 340x170x48 F7 |  | F7 panel filter |

Cooker Hoods

| Name | Photo | Description |
|----------------------|---|--|
| KH-1 |  | The kitchen exhaust hood is designed to clean air from combustion products, fumes, odors that form during cooking in the kitchen |