

# VUT 270 V5B EC A21



Heat recovery air handling units in sound- and heat-insulated casings equipped with a counter-flow polystyrene heat exchanger

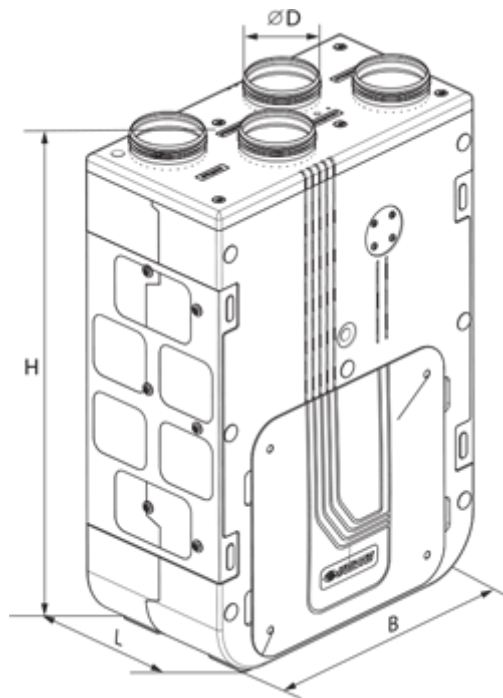
- Maximum airflow: 300
- Sound pressure level LpA at 3 m: 34
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (option F8)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

|                                   | Unit of measurement | VUT 270 V5B 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                   | 162                |
| Unit current                      | A                   | 1.2                |
| Maximum airflow                   | m <sup>3</sup> /h   | 300                |
| Sound pressure level LpA at 3 m   | dB(A)               | 34                 |
| Heat recovery efficiency, max     | %                   | 98                 |
| Heat exchanger type               | -                   | Counter flow       |
| Heat exchanger material           | -                   | Polystyrene        |
| Weight                            | kg                  | 13                 |
| Extract filter                    | -                   | G4                 |
| Supply filter                     | -                   | G4 (option F8)     |
| 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

| ØD  | B   | H   | L   |
|-----|-----|-----|-----|
| 125 | 590 | 893 | 316 |




## 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="#">HV2</a>       |  | Humidity sensor                |
| <a href="#">CO2-1</a>     |  | CO2 sensors                    |
| <a href="#">CO2-2</a>     |  | CO2 sensors                    |
| <a href="#">HR-S</a>      |  | Electro-mechanical humidistats |
| <a href="#">DPWC11200</a> |  | Humidity sensor                |

### VOC sensors


| Name                      | Photo   | Description |
|---------------------------|---|-------------|
| <a href="#">DPWQ30600</a> |   | VOC sensors |
| <a href="#">DPWQ40200</a> |  | CO2 sensor  |

### Electrical heaters


| Name                                  | Photo   | Description   |
|---------------------------------------|---|---|
| <a href="#">NKD 125-0,6-1 A21 V.2</a> |  | Duct heater for supply air post-heating with external control |
| <a href="#">NKD 125-0,8-1 A21 V.2</a> |  | Duct heater for supply air post-heating with external control |
| <a href="#">NKD 125-1,2-1 A21 V.2</a> |  | Duct heater for supply air post-heating with external control |
| <a href="#">NKP 125-0,6-1 A21 V.2</a> |  | Heater for heat exchanger freeze protection                   |
| <a href="#">NKP 125-0,8-1 A21 V.2</a> |  | Heater for heat exchanger freeze protection                   |

|                                       |   |   |
|---------------------------------------|---|---|
| <a href="#">NKP 125-1,2-1 A21 V.2</a> |  | Heater for heat exchanger freeze protection |
|---------------------------------------|---|---|


### Condensation drainage

| Name                  | Photo   | Description   |
|-----------------------|---|---|
| <a href="#">SH-32</a> |  | The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems |



### For round ducts

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

### Electric actuators

| Name                         | Photo  | Description   |
|------------------------------|--|---|
| <a href="#">Belimo LF230</a> |  | The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m <sup>2</sup> performing protection functions |

### Other accessories

| Name             | Photo   | Description     |
|------------------|---|-----------------|
| SF 264x182x18 G4 |  | Panel filter G4 |
| SF 264x182x18 F8 |  | F8 panel filter |