

VUER 281 V EC L A21

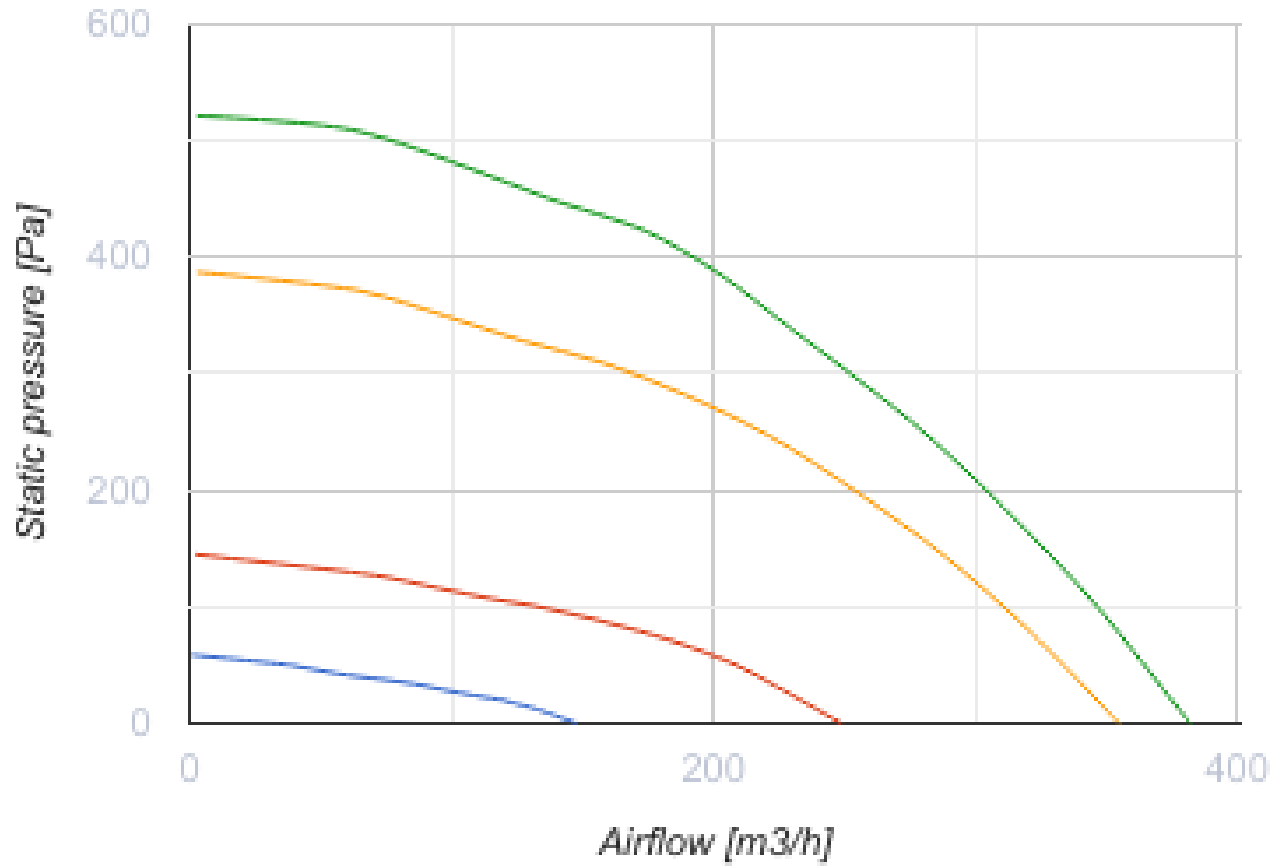
Air handling units in heat- and sound-insulated casing



- Maximum airflow: 382
- Sound pressure level LpA at 3 m: 26
- Heat exchanger type: Sorption rotary
- Extract filter: G4 / Coarse > 60%
- Supply filter: G4 / Coarse > 60% (option F7 / ePM1 60%)
- Sound insulation
- Motor type: EC
- 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 | VUER 281 V EC L A21 |
|-----------------------------------|---------------------|------------------------------------------|
| Connected air duct size | mm | 160 |
| Speed | - | 1 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 179 |
| Unit current | A | 1.34 |
| Maximum airflow | m ³ /h | 382 |
| Sound pressure level LpA at 3 m | dB(A) | 26 |
| Heat recovery efficiency, max | % | 86 |
| Heat exchanger type | - | Sorption rotary |
| Weight | kg | 57 |
| Extract filter | - | G4 / Coarse > 60% |
| Supply filter | - | G4 / Coarse > 60% (option F7 / ePM1 60%) |
| 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


| H | W | L | H1 | W1 | L1 | D |
|-----|-----|-----|-----|-----|-----|-----|
| 588 | 598 | 515 | 638 | 397 | 209 | 160 |






Accessories

Other accessories





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

| | | |
|---------------------------------|-----------------------------------------------------------------------------------|-----------------|
| SF 428 x 220 x 40 Coarse 90% G4 |  | Panel filter G4 |
| SF 428 x 220 x 40 ePM1 60% F7 |  | F7 panel filter |



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 |
| CO2-3 |  | CO2 sensor |
| CO2-1 |  | CO2 sensors |
| HR-S |  | Electro-mechanical humidistats |

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 |
|-----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|

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