# Enave 401 V A14 R



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

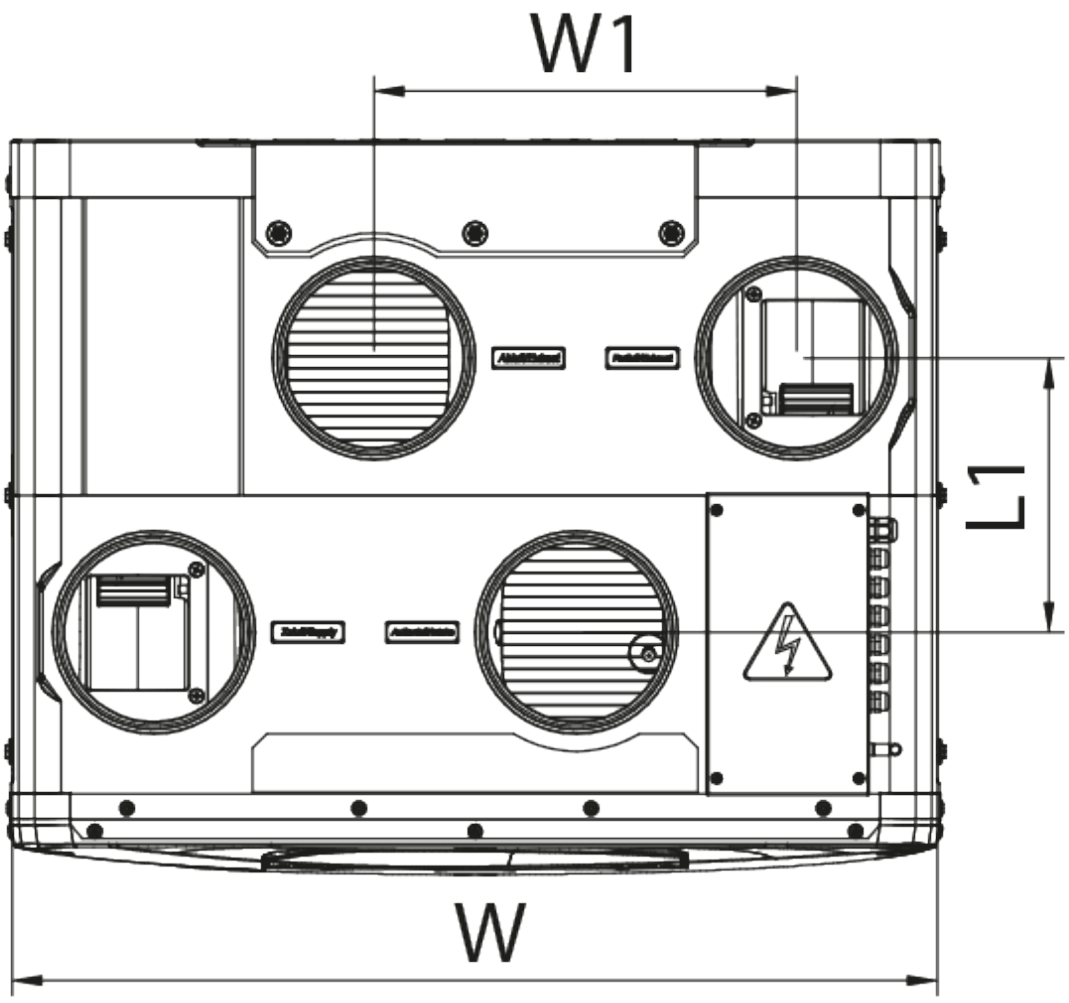
- Sound pressure level LpA at 3 m: 26
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Supply filter: G4 / Coarse > 60% (option F7 / ePM1 60%)
- Extract filter: G4 / Coarse > 60%
- Sound-insulated casing
- Bypass: Manual
- Control: Wired control panel
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional

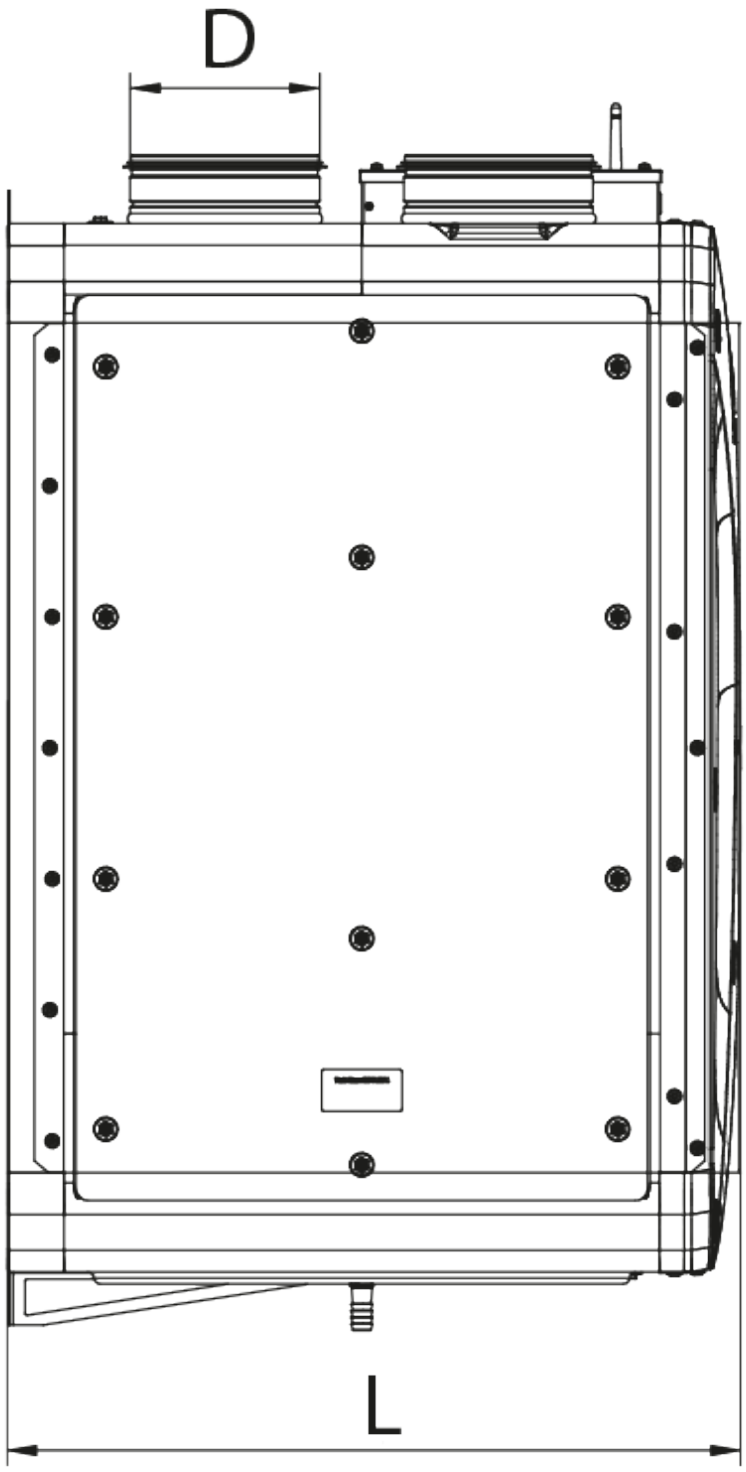
| | Unit of measurement | Enave 401 V A14 R |
|---|---|---|
| Connected air duct size | mm | 160 |
| Phases | - | 1 |
| Maximum supply voltage | V | 230 |
| Minimum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 178 |
| Unit current | A | 1.4 |
| Maximum airflow | m³/h | 445 |
| Sound pressure level LpA at 3 m | dB(A) | 26 |
| Heat recovery efficiency, max | % | 93 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 26 |
| Supply filter | - | G4 / Coarse > 60% (option F7 / ePM1 60%) |
| Extract filter | - | G4 / Coarse > 60% |
| Transported air temperature (max) | °C | 40 |
| Transported air temperature (min) | °C | -25 |
| Ambient air temperature max | °C | 40 |
| Ambient air temperature min | °C | 1 |
| Ingress protection rating | - | IP22 |
| Ambient air humidity max | % | 60 |

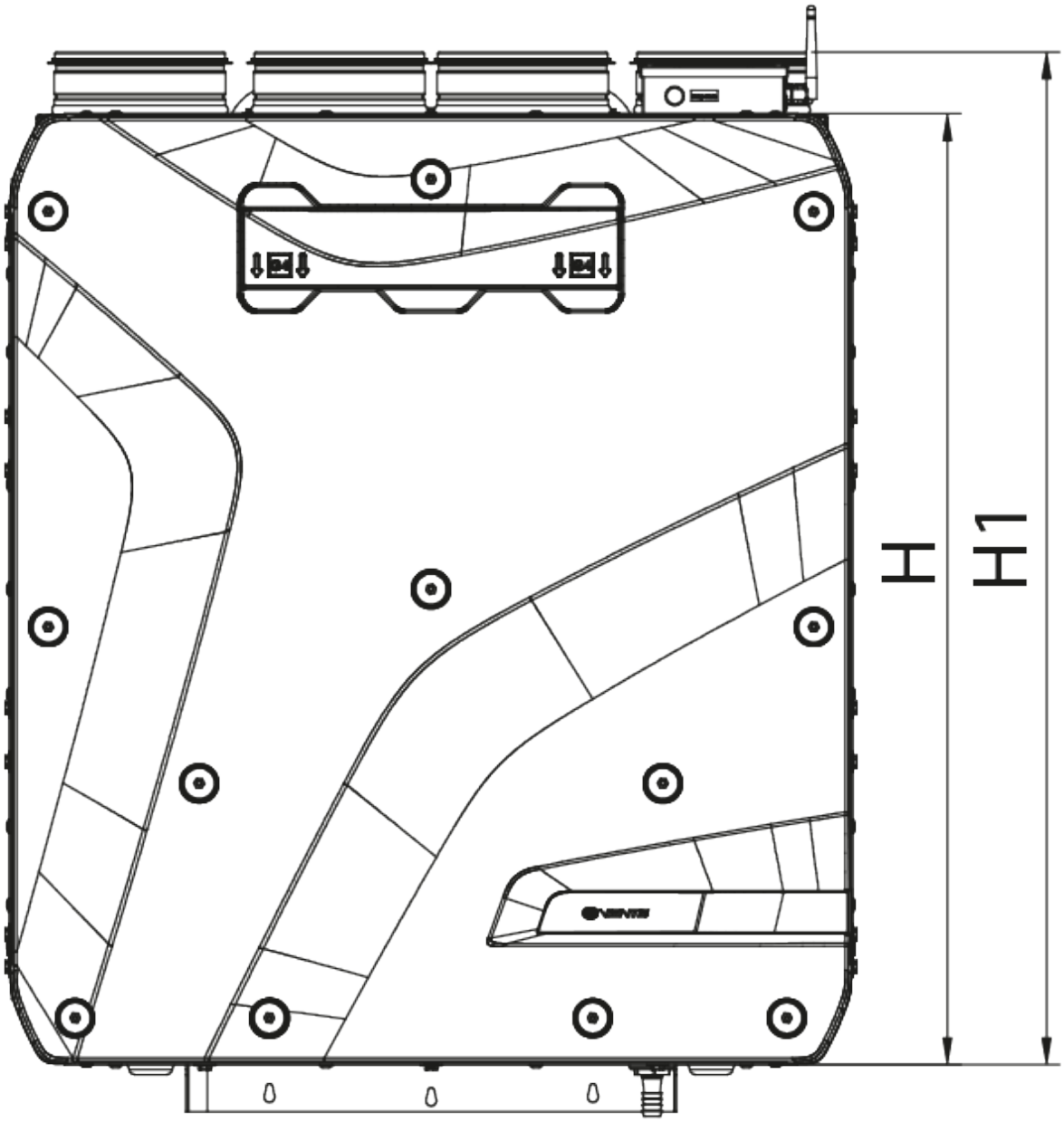
| | | |
|---|---|---|
| Ingress protection rating of the drive | - | IP44 |

## Dimensions

| Ø D | H | H1 | L | L1 | W | W1 |
|---|---|---|---|---|---|---|
| 160 | 880 | 939 | 616 | 230 | 770 | 355 |


W1
L1
W


D
L




## Accessories

### Sensors

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

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

### Condensation drainage

| Name | Photo | Description |
|---|---|---|
| SH-32 |  | Hydraulic U-trap to drain condensate from heat exchangers and coolers |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| SR 160/600 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |
| SR 160/900 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |
| SR 160/1200 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| KRV 160 |  | Air dampers for automatic air flow control in round ducts |

### Electric actuators

| Name | Photo | Description |
|---|---|---|
| Belimo TF230 |  | The actuators are designed for controlling air dampers with cross section up to 0.4 m² performing protection functions |

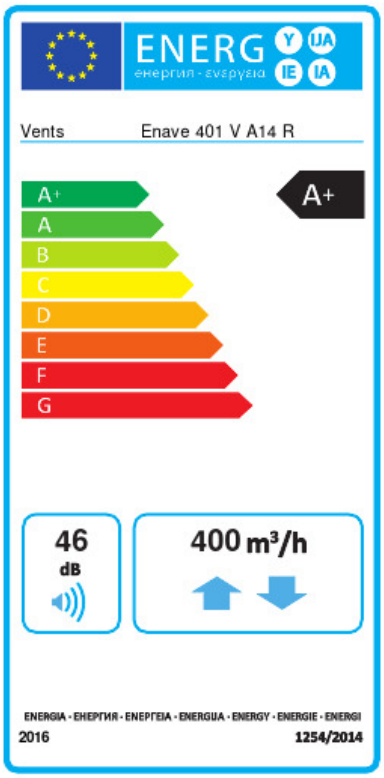
### Other accessories

| Name | Photo | Description |
|---|---|---|
| SF 496x150x60 Coarse 90% G4 |  | Panel filter G4 |
| SF 496x150x60 ePM1 65% F7 |  | F7 panel filter |

### Decorative panels

| Name | Photo | Description |
|---|---|---|
| PD-Enave 351 V |  | Decorative panel |

## Ecodesign




| Trademark | Vents | | | | | |
|---|---|---|---|---|---|---|
| Model | Enave 401 V A14 R | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -82.9 | A+ | -43.4 | A+ | -18.1 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 90 | | | | | |
| Maximum flow rate (m³/h) | 400 | | | | | |
| Electric power input (W) | 178 | | | | | |
| Reference flow rate (m³/s) | 0.076 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.233 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Sound power level (dB(A)) | 46 | | | | | |
| Declared typology | RVU BVU | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 7.1 | | 1.7 | | 1.2 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 92 | | 47 | | 21 | |