

# Enave 270 VE A21 R



Heat recovery air handling units in sound- and heat-insulated casings made of expanded polypropylene

- Power of electrical preheater: 1400
- Maximum airflow: 304
- Sound pressure level LpA at 3 m: 37
- Heat exchanger type: Counter flow
- Extract filter: G4 / Coarse > 60%
- Supply filter: G4 / Coarse > 60% (option F7 / ePM1 60%)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Built-in
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

|                                   | Unit of measurement | Enave 270 VE A21 R                       |
|-----------------------------------|---------------------|--|
| Connected air duct size           | mm                  | 125                                      |
| Phases                            | -                   | 1  |
| Minimum supply voltage            | V                   | 230                                      |
| Maximum supply voltage            | V                   | 230                                      |
| Power supply frequency            | Hz                  | 50/60                                    |
| Rated power                       | W                   | 176                                      |
| Power of electrical preheater     | W                   | 1400                                     |
| Unit current                      | A                   | 7.55                                     |
| Maximum airflow                   | m <sup>3</sup> /h   | 304                                      |
| Sound pressure level LpA at 3 m   | dB(A)               | 37                                       |
| Heat recovery efficiency, max     | %                   | 91                                       |
| Heat exchanger type               | -                   | Counter flow                             |
| Heat exchanger material           | -                   | Polystyrene                              |
| Weight                            | kg                  | 22                                       |
| 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

| <b>Ø D</b> | <b>H</b> | <b>H1</b> | <b>L</b> | <b>L1</b> | <b>W</b> | <b>W1</b> |
|------------|----------|-----------|----------|-----------|----------|-----------|
| 125        | 852      | 909       | 419      | 160       | 600      | 273       |



## Accessories






### Other accessories

| Name                        | Photo   | Description     |
|-----------------------------|---|-----------------|
| SF 356x100x48 Coarse 90% G4 |  | Panel filter G4 |
| SF 356x100x48 ePM1 65% F7   |  | F7 panel filter |

### 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="#">CO2-3</a> |  | CO2 sensor                     |
| <a href="#">CO2-1</a> |  | CO2 sensors                    |
| <a href="#">CO2-2</a> |  | CO2 sensors                    |
| <a href="#">HR-S</a>  |  | Electro-mechanical humidistats |

### For round ducts




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

|                             |   |   |
|-----------------------------|---|---|
| <a href="#">SR 125/900</a>  |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| <a href="#">SR 125/600</a>  |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| <a href="#">SR 125/1200</a> |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |


### 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 |


### 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 |

### 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 TF230</a> |  | The actuators are designed for controlling air dampers with cross section up to 0.4 m <sup>2</sup> performing protection functions |