

# Enave 550 V A21 R

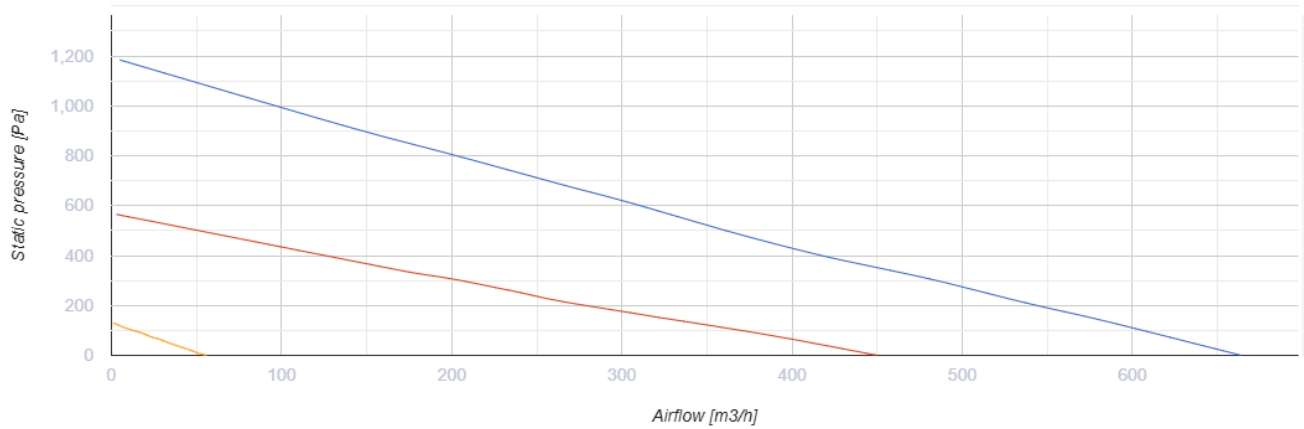


Heat recovery air handling units in sound- and heat-insulated casings made of expanded polypropylene

- Maximum airflow: 660
- Sound pressure level LpA at 3 m: 57
- Heat exchanger type: Counter flow
- Extract filter: Coarse > 60 %
- Supply filter: Coarse > 60 % (option ePM1 60 %)
- 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

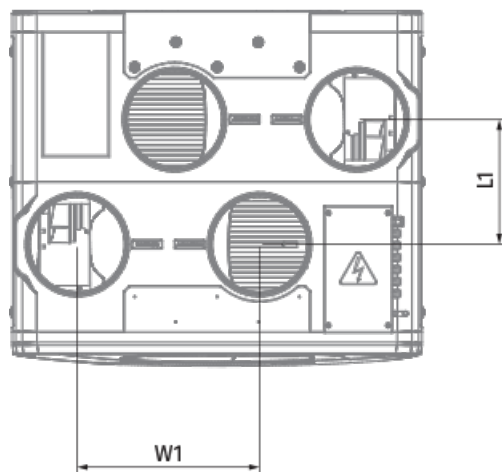
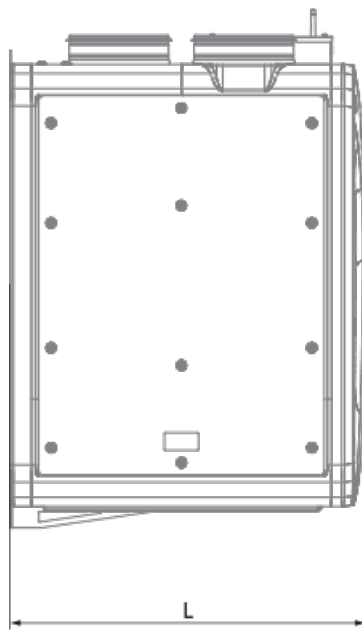
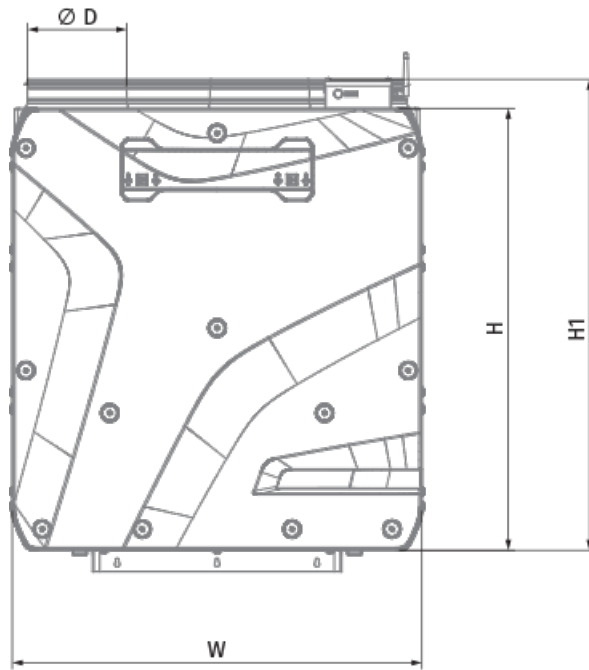
|                                   | Unit of measurement | Enave 550 V A21 R                |
|-----------------------------------|---------------------|----------------------------------|
| Connected air duct size           | mm                  | 200                              |
| Phases                            | -                   | 1                                |
| Minimum supply voltage            | V                   | 230                              |
| Maximum supply voltage            | V                   | 230                              |
| Power supply frequency            | Hz                  | 50/60                            |
| Rated power                       | W                   | 347                              |
| Unit current                      | A                   | 2.4                              |
| Maximum airflow                   | m <sup>3</sup> /h   | 660                              |
| Sound pressure level LpA at 3 m   | dB(A)               | 57                               |
| Heat recovery efficiency, max     | %                   | 91                               |
| Heat exchanger type               | -                   | Counter flow                     |
| Heat exchanger material           | -                   | Polystyrene                      |
| Weight                            | kg                  | 28                               |
| Extract filter                    | -                   | Coarse > 60 %                    |
| Supply filter                     | -                   | Coarse > 60 % (option 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

| Ø D | H   | H1  | L   | L1  | W   | W1  |
|-----|-----|-----|-----|-----|-----|-----|
| 200 | 885 | 943 | 711 | 250 | 820 | 365 |






## Accessories






### Other accessories

| Name                        | Photo   | Description     |
|-----------------------------|---|-----------------|
| SF 596x164x60 Coarse 90% G4 |  | Panel filter G4 |
| SF 596x164x60 ePM1 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 |

### Electrical heaters




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

|                                       |   |   |
|---------------------------------------|---|---|
| <a href="#">NKP 200-1,2-1 A21 V.2</a> |  | Heater for heat exchanger freeze protection                   |
| <a href="#">NKP 200-1,7-1 A21 V.2</a> |  | Heater for heat exchanger freeze protection                   |
| <a href="#">NKP 200-2,0-1 A21 V.2</a> |  | Heater for heat exchanger freeze protection                   |
| <a href="#">NKD 200-1,2-1 A21 V.2</a> |  | Duct heater for supply air post-heating with external control |
| <a href="#">NKD 200-1,7-1 A21 V.2</a> |  | Duct heater for supply air post-heating with external control |
| <a href="#">NKD 200-2,0-1 A21 V.2</a> |  | Duct heater for supply air post-heating with external control |

### 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="#">SR 200/600</a>  |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| <a href="#">SR 200/900</a>  |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |
| <a href="#">SR 200/1200</a> |  | Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems |

### For round ducts

| Name                    | Photo   | Description  |
|-------------------------|---|--|
| <a href="#">KRV 200</a> |  | 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<sup>2</sup> performing protection functions