

Enave-T 240 P A21



Heat recovery air handling unit in sound- and heat-insulated casing made of expanded polypropylene

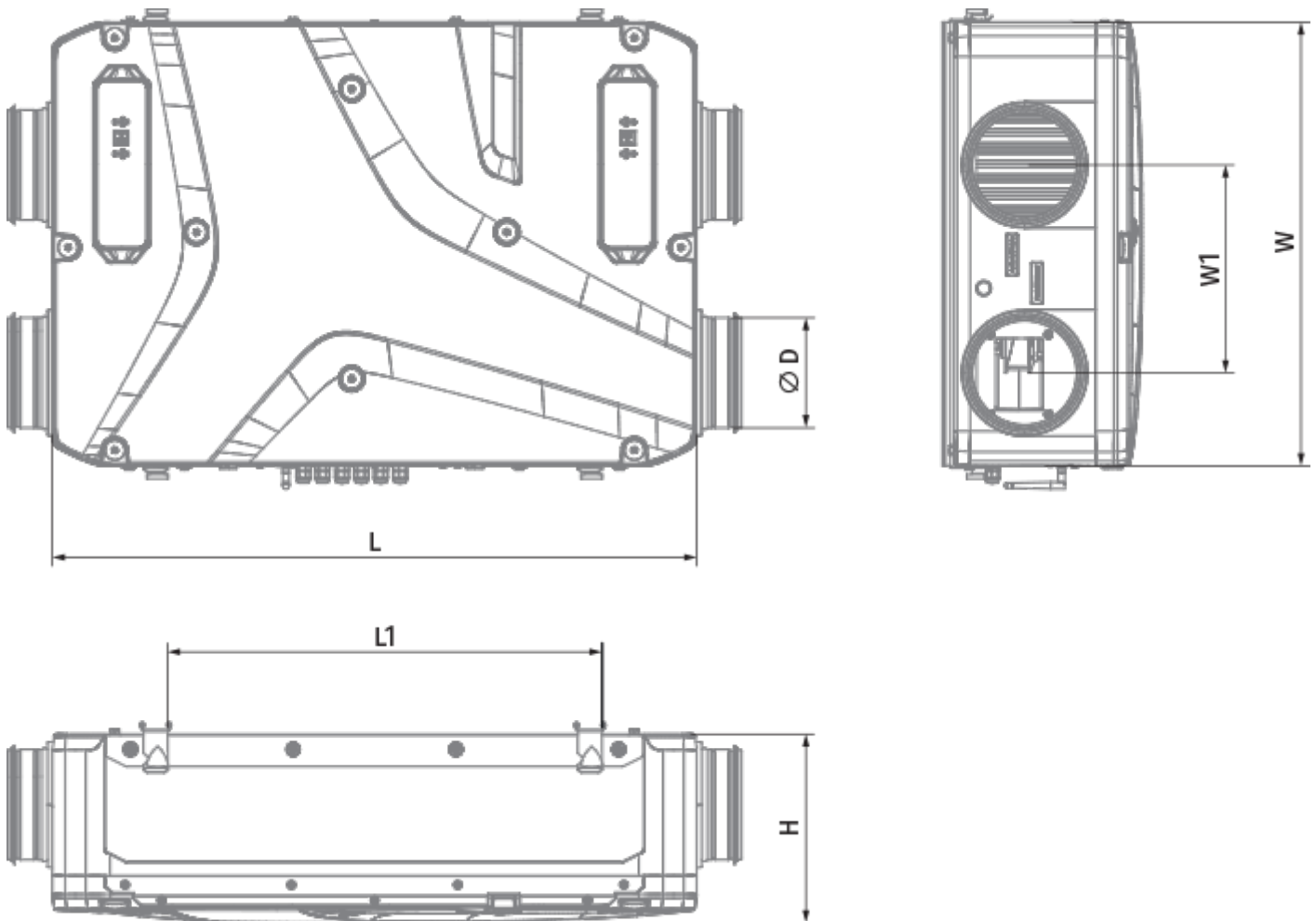
- Maximum airflow: 313
- Sound pressure level LpA at 3 m: 35
- Heat exchanger type: Counter flow
- Extract filter: Coarse > 60 % (G4)
- Supply filter: Coarse > 60 % (G4) (option ePM1 60 % (F7))
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: 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 | Enave-T 240 P A21 |
|-----------------------------------|---------------------|--------------------------------------------|
| Connected air duct size | mm | 160 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 168 |
| Unit current | A | 1.3 |
| Maximum airflow | m ³ /h | 313 |
| Sound pressure level LpA at 3 m | dB(A) | 35 |
| Heat recovery efficiency, max | % | 79 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Enthalpy |
| Weight | kg | 16 |
| Extract filter | - | Coarse > 60 % (G4) |
| Supply filter | - | Coarse > 60 % (G4) (option ePM1 60 % (F7)) |
| Transported air temperature (max) | °C | 45 |
| 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 | D | W1 | L1 |
|-----|-----|-----|-----|-----|-----|
| 272 | 640 | 930 | 160 | 300 | 627 |






Accessories






Other accessories

| Name | Photo | Description |
|-----------------------------|-------------------------------------------------------------------------------------|-----------------|
| SF 205x200x48 Coarse 90% G4 |  | Panel filter G4 |
| SF 205x200x48 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 |
| CO2-2 |  | CO2 sensors |
| HR-S |  | Electro-mechanical humidistats |

Electrical heaters




| Name | Photo | Description |
|---------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------|
| NKP 160-0,8-1 A21 V.2 |  | Heater for heat exchanger freeze protection |
| NKP 160-1,2-1 A21 V.2 |  | Heater for heat exchanger freeze protection |
| NKP 160-1,7-1 A21 V.2 |  | Heater for heat exchanger freeze protection |
| NKP 160-2,0-1 A21 V.2 |  | Heater for heat exchanger freeze protection |

| | | |
|---------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|
| NKD 160-0,8-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 160-1,2-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 160-1,7-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |
| NKD 160-2,0-1 A21 V.2 |  | Duct heater for supply air post-heating with external control |


Condensation drainage

| Name | Photo | Description |
|-----------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| SH-32 |  | The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems |


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 |