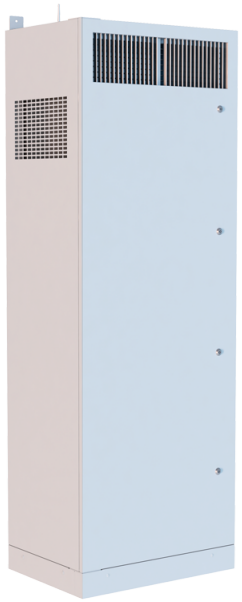
# DVUT 500 HBE EC A21 V.2



School floor-mounted AHUs

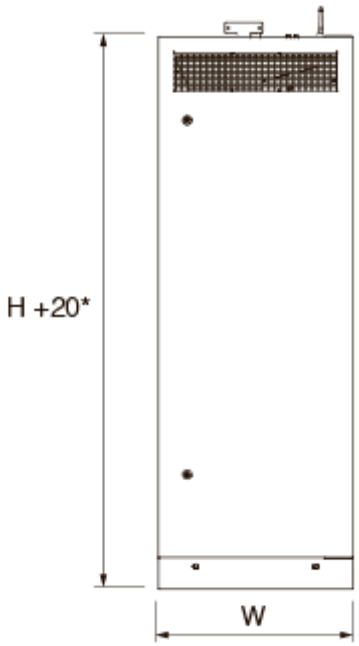
- Power of electrical preheater: 1050
- Sound pressure level LpA at 3 m: 38
- Sound pressure level LpA at 1 m: 47
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Supply filter: ISO ePM1 60% (F7)
- Extract filter: ISO Coarse >60% (G4)
- Sound-insulated casing
- Bypass: Auto
- Preheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional
- Temperature sensor

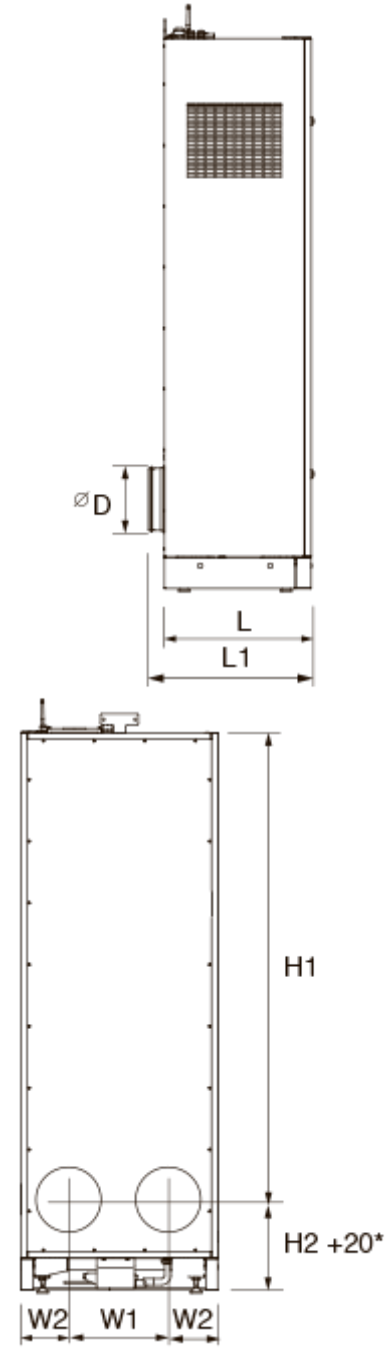
| | Unit of measurement | DVUT 500 HBE EC A21 V.2 |
|---|---|---|
| Connected air duct size | mm | 250 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 370 |
| Power of electrical preheater | W | 1050 |
| Unit current | A | 9.1 |
| Maximum airflow | m³/h | 580 |
| Sound pressure level LpA at 3 m | dB(A) | 38 |
| Sound pressure level LpA at 1 m | dB(A) | 47 |
| Heat recovery efficiency, max | % | 94 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 140 |
| Supply filter | - | ISO ePM1 60% (F7) |
| Extract filter | - | ISO Coarse >60% (G4) |
| 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 | - | IP20 |
| Ambient air humidity max | % | 60 |
| Ingress protection rating of the drive | - | IP44 |
| Minimum wall thickness | mm | 100 |
| Maximum wall thickness | mm | 2000 |

## Dimensions

| W | W1 | W2 | L | L1 | H | H1 | H2 | D |
|---|---|---|---|---|---|---|---|---|
| 750 | 350 | 200 | 535 | 585 | 2170 | 1865 | 305 | 250 |






## Accessories

### Sensors

| Name | Photo | Description |
|---|---|---|
| HV2 |  | Humidity sensor |
| CO2-1 |  | CO2 sensors |

| | | |
|---|---|---|
| CO2-2 |  | CO2 sensors |
| HR-S |  | Electro-mechanical humidistat |
| DPWC11200 |  | Humidity sensor |
| CO2-3 |  | CO2 sensor |

### VOC sensors

| Name | Photo | Description |
|---|---|---|
| DPWQ30600 |  | VOC sensors |
| DPWQ40200 |  | CO2 sensor |

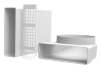
### Condensation drainage

| Name | Photo | Description |
|---|---|---|
| SH-32 |  | Hydraulic U-trap to drain condensate from heat exchangers and coolers |
| DN-2 |  | Drain pump for pumping out and draining condensation |

### Metal

| Name | Photo | Description |
|---|---|---|
| MVMA 250 bVn Al |  | Supply and exhaust metal grille |

### Other accessories

| Name | Photo | Description |
|---|---|---|
| NB DVUT 500 HB chrome |  | Outer ventilation hood |
| NB DVUT 500 HB white |  | Outer ventilation hood |

| | | |
|---|---|---|
| SF 255x448x25 G4 (2 pcs.) |  | Panel filter G4 |
| SF 449x318x60 F7 |  | F7 panel filter |