

# DVUT 500 PBE2 EC A21 V.2

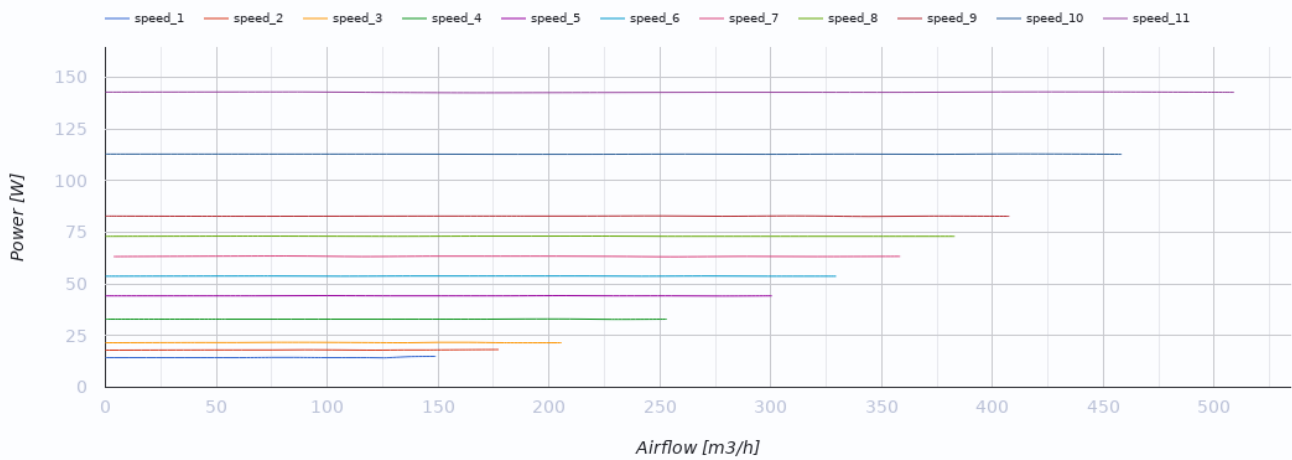
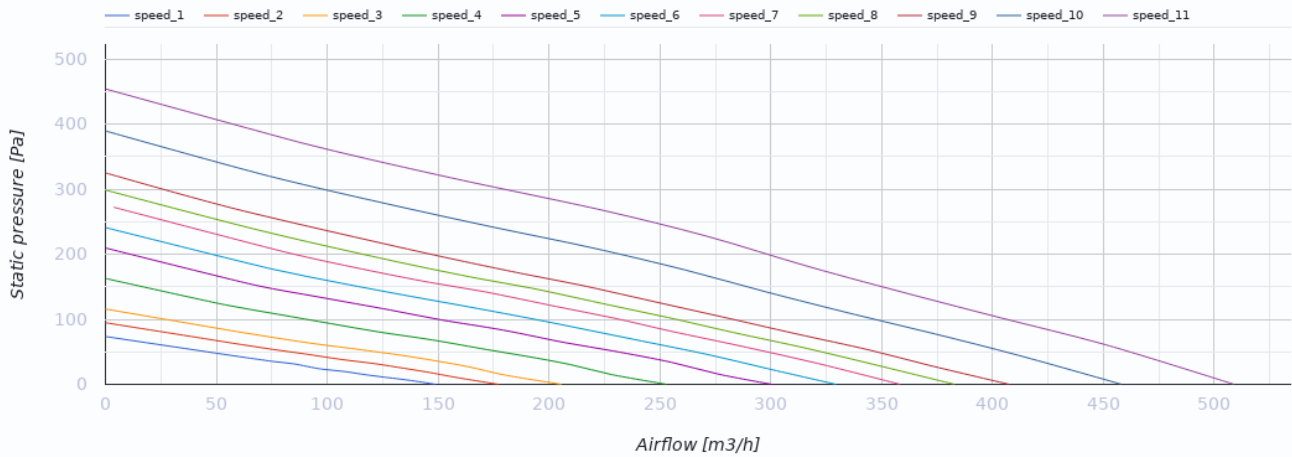


## School suspended AHUs

- Power of electrical preheater: 1050
- Power of electrical reheater: 700
- Sound pressure level LpA at 3 m: 34
- Sound pressure level LpA at 1 m: 44
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Extract filter: ISO Coarse >60% (G4)
- Supply filter: ISO ePM1 60% (F7)
- Sound-insulated casing
- Bypass: Auto
- Preheater: Electric
- Reheater: Electric
- BMS protocol: ModBus
- Control: Wireless control panel, Built-in control panel, Smartphone
- Casing material: Galvanized steel
- CO2 sensor: Optional
- Temperature sensor: Built-in

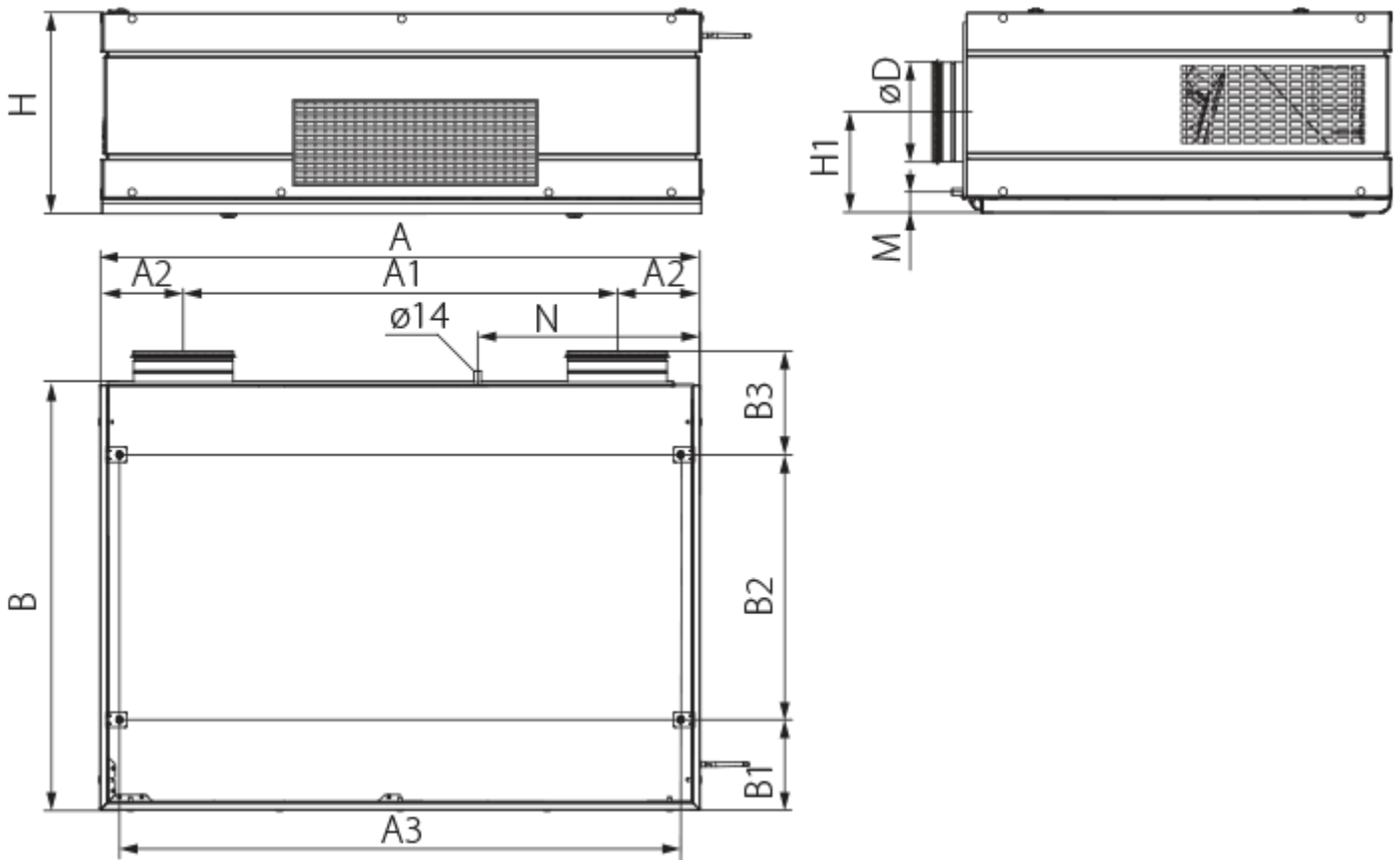
|                                 | Unit of measurement | DVUT 500 PBE2 EC A21 V.2 |
|---------------------------------|---------------------|--------------------------|
| Connected air duct size         | mm                  | 250                      |
| Phases                          | -                   | 1                        |
| Minimum supply voltage          | V                   | 230                      |
| Maximum supply voltage          | V                   | 230                      |
| Power supply frequency          | Hz                  | 50/60                    |
| Rated power                     | W                   | 143                      |
| Power of electrical preheater   | W                   | 1050                     |
| Power of electrical reheater    | W                   | 700                      |
| Unit current                    | A                   | 1.1                      |
| Maximum airflow                 | m <sup>3</sup> /h   | 510                      |
| Rotation speed at 50hz          | -                   | 1700                     |
| Sound pressure level LpA at 3 m | dB(A)               | 34                       |
| Sound pressure level LpA at 1 m | dB(A)               | 44                       |
| Heat recovery efficiency, max   | %                   | 96                       |
| Heat exchanger type             | -                   | Counter flow             |
| Heat exchanger material         | -                   | Polystyrene              |
| Weight                          | kg                  | 130                      |
| Extract filter                  | -                   | ISO Coarse >60% (G4)     |
| Supply filter                   | -                   | ISO ePM1 60% (F7)        |

|  |    |      |
|--|----|------|
| 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              | -  | IP20 |
| Ingress protection rating of the drive | -  | IP44 |



## Dimensions

| ∅D  | A    | A1   | A2  | A3   | B   | B1  | B2  | B3  | H   | H1  | N   | M  |
|-----|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|----|
| 250 | 1500 | 1135 | 186 | 1422 | 850 | 181 | 530 | 207 | 458 | 221 | 504 | 41 |





## Accessories




### Sensors

| Name                      | Photo | Description                   |
|---------------------------|-------|-------------------------------|
| <a href="#">HV2</a>       |       | Humidity sensor               |
| <a href="#">CO2-1</a>     |       | CO2 sensors                   |
| <a href="#">CO2-2</a>     |       | CO2 sensors                   |
| <a href="#">HR-S</a>      |       | Electro-mechanical humidistat |
| <a href="#">DPWC11200</a> |       | Humidity sensor               |
| <a href="#">CO2-3</a>     |       | CO2 sensor                    |



### VOC sensors

| Name                      | Photo   | Description |
|---------------------------|---|-------------|
| <a href="#">DPWQ30600</a> |  | VOC sensors |
| <a href="#">DPWQ40200</a> |  | CO2 sensor  |

### Condensation drainage

| Name                        | Photo   | Description   |
|-----------------------------|---|---|
| <a href="#">SH-32</a>       |  | Hydraulic U-trap to drain condensate from heat exchangers and coolers |
| <a href="#">DN-2</a>        |  | Drain pump for pumping out and draining condensation                  |
| <a href="#">DN-2-DVUT P</a> |  | Boxed drain pump for pumping out and draining condensation            |

### Other accessories

| Name             | Photo   | Description     |
|------------------|---|-----------------|
| SF 379x334x48 G4 |  | Panel filter G4 |
| SF 379x254x48 F7 |  | F7 panel filter |