

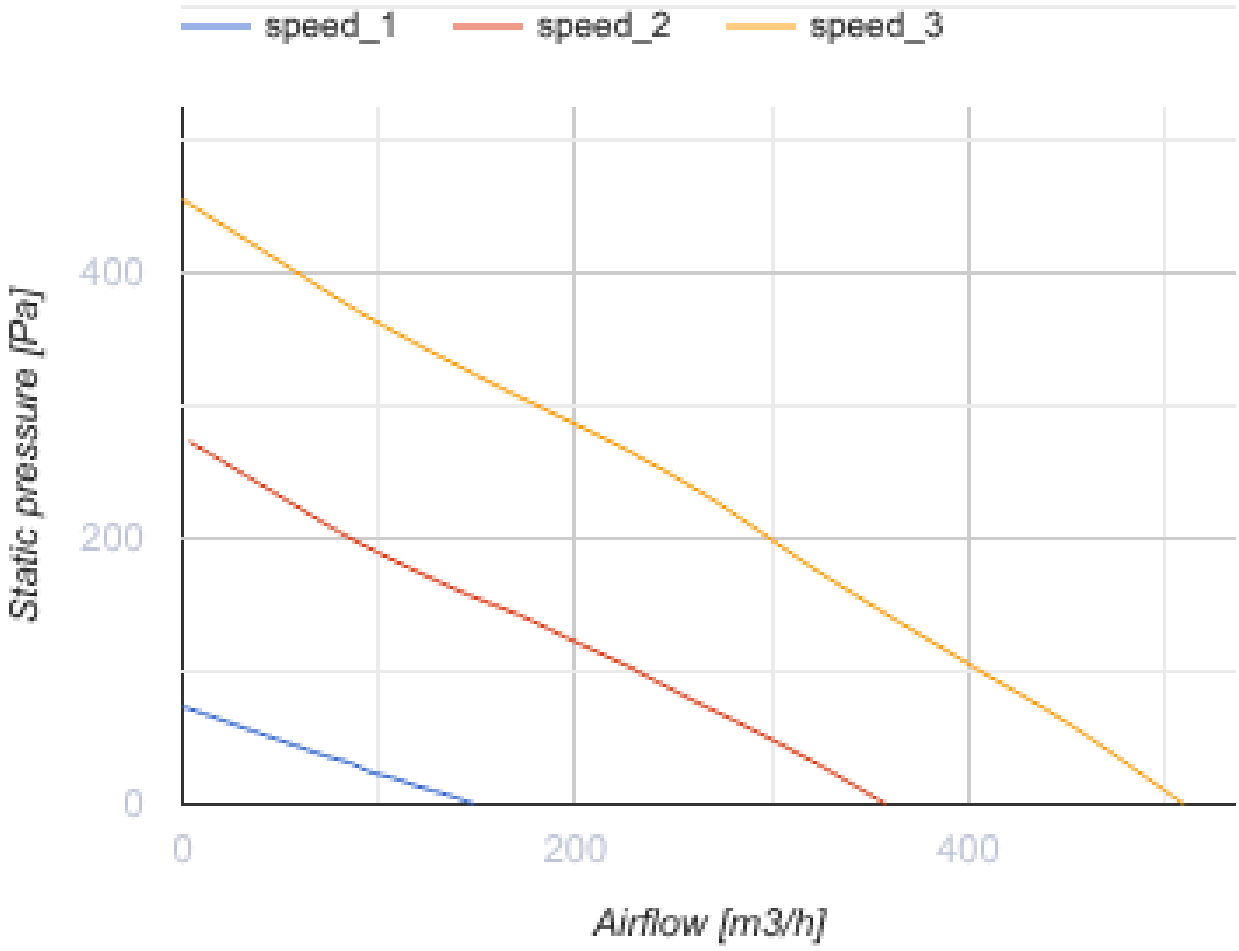
# CIVIC EC DBE2 500 S21

The CIVIC EC DB units are designed for single-room ventilation of schools, offices and other public and commercial premises

- Power of electrical preheater: 1750
- Power of electrical reheater: 1750
- Sound pressure level LpA at 1 m: 34
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Bypass: Auto
- Reheater: Electric
- Preheater: Electric
- BMS protocol: ModBus
- Control: Wired control panel, Wireless control panel, Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional
- Temperature sensor: Built-in

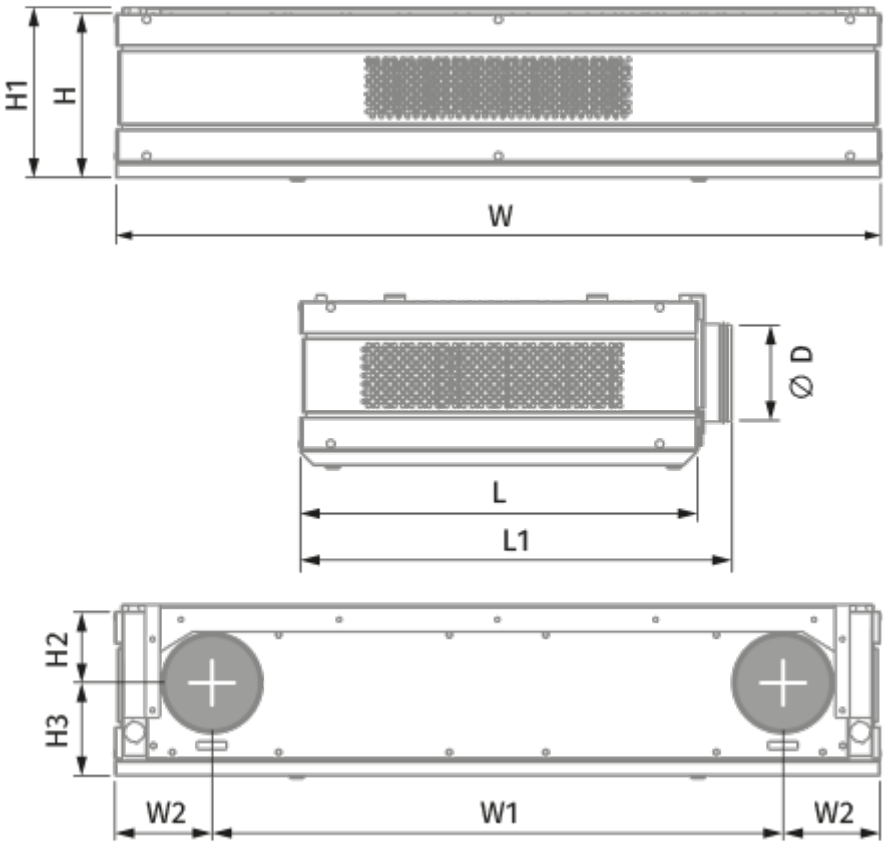
| | Unit of measurement | CIVIC EC DBE2 500 S21 |
|---|---|---|
| Phases | - | 1 |
| Maximum supply voltage | V | 230 |
| Minimum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Power of electrical preheater | W | 1750 |
| Power of electrical reheater | W | 1750 |
| Maximum airflow | m³/h | 510 |
| Sound pressure level LpA at 1 m | dB(A) | 34 |
| Heat recovery efficiency, max | % | 86 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 130 |
| Transported air temperature (max) | °C | 40 |
| Transported air temperature (min) | °C | -25 |
| Ambient air temperature min | °C | 1 |
| Ambient air temperature max | °C | 40 |
| Ingress protection rating | - | IP20 |
| Ingress protection rating of the drive | - | IP44 |
| Ambient air humidity max | % | 60 |

| | | |
|---|---|---|
| Minimum wall thickness | mm | 100 |
| Maximum wall thickness | mm | 2000 |




## Dimensions

| Ø D | H | H1 | H2 | H3 | L | L1 | W | W1 | W2 |
|---|---|---|---|---|---|---|---|---|---|
| 249 | 386 | 400 | 169 | 217 | 1018 | 1083 | 1806 | 1316 | 244 |




## Accessories

### Condensation drainage

| Name | Photo | Description |
|---|---|---|
| SFK 20x32 |  | Hydraulic syphon for condensate drainage |
| CP-2 |  | Drain pump |

### Control Panels

| Name | Photo | Description |
|---|---|---|
| S25 |  | LCD control panel |
| S22 |  | Control panels |

| | | |
|---|---|---|
| S22 Wi-Fi |  | Control panels |

### CO2 sensors

| Name | Photo | Description |
|---|---|---|
| CD-1 |  | CO2 sensors |
| CD-2 |  | CO2 sensors |

### Humidity sensors

| Name | Photo | Description |
|---|---|---|
| FS2 |  | Humidity sensor |

### Other accessories

| Name | Photo | Description |
|---|---|---|
| FP 325x314x48 F8 |  | F8 filter |
| FP 714x320x48 F8 C |  | F8 carbon filter |
| FP 325x314x48 G4 |  | G4 panel filter |
| FP 325x388x48 G4 |  | G4 panel filter |
| FP 714x320x48 H11 |  | H11 HEPA filter |

### Metal

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