

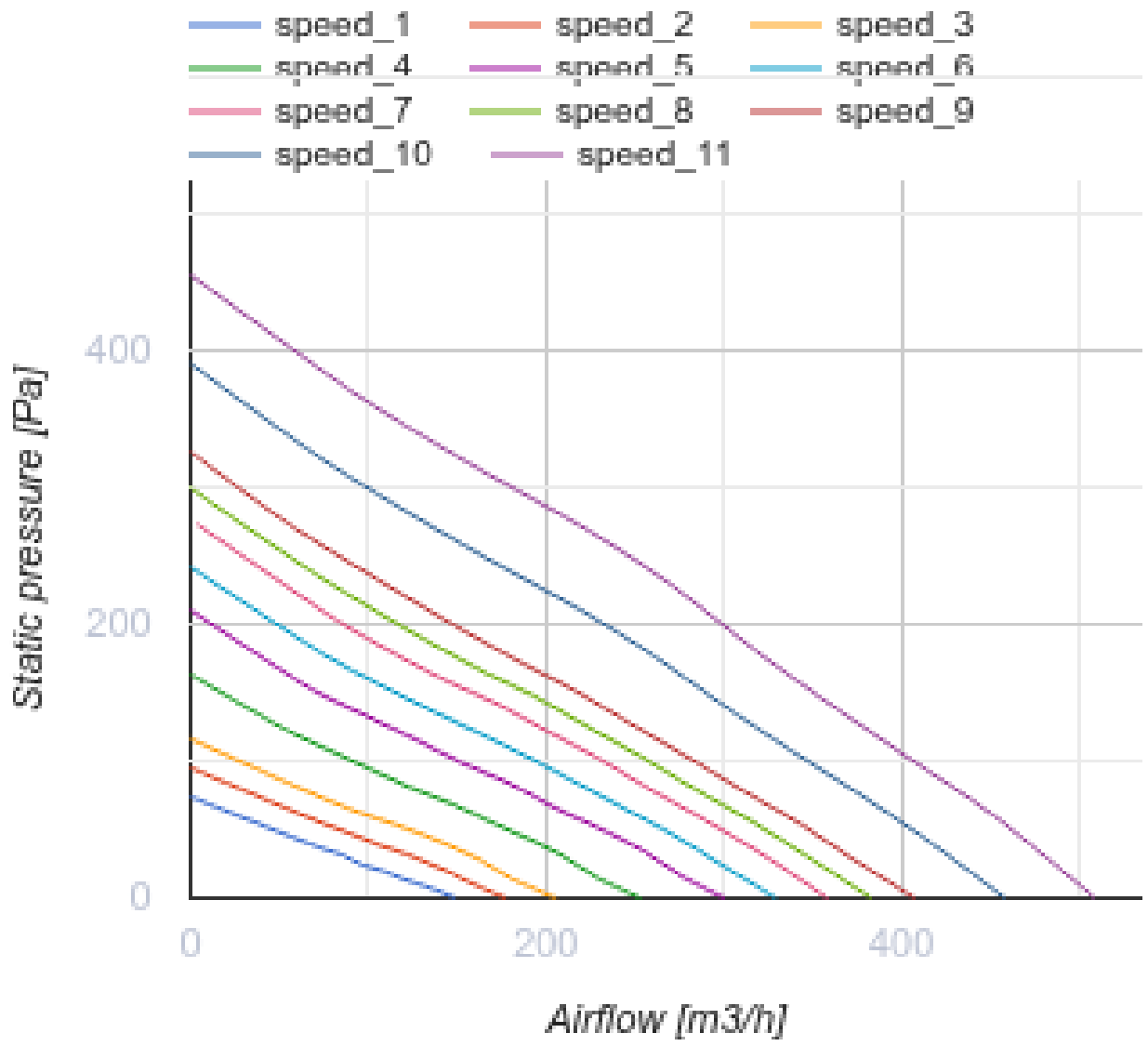
# CIVIC EC DBE 500 S21 V.2

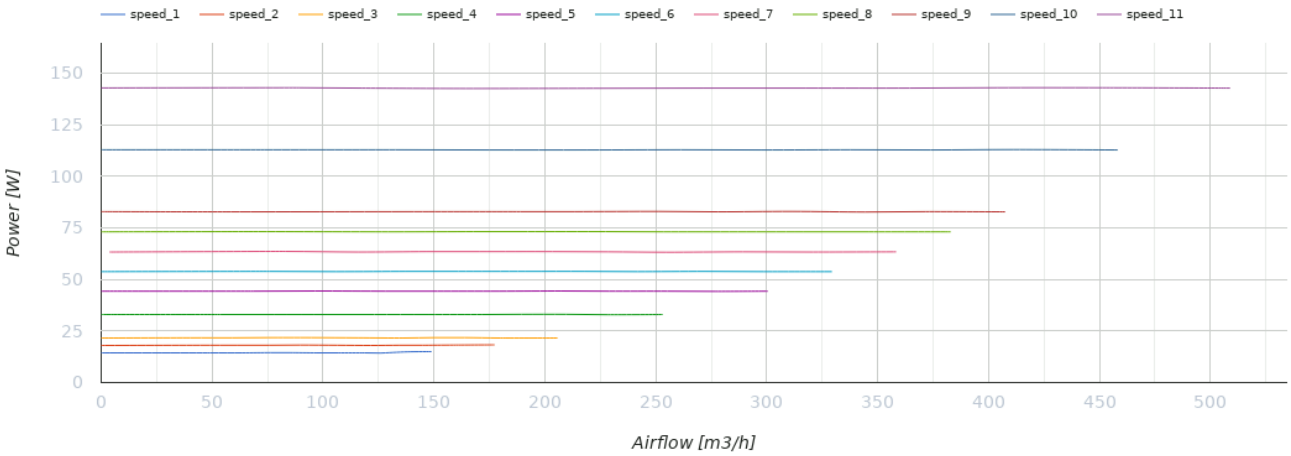
The CIVIC EC DB V.2 units are designed for single-room ventilation of schools, offices and other public and commercial premises

- Power of electrical preheater: 1050
- Sound pressure level LpA at 1 m: 44
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Sound-insulated casing
- Bypass: Auto
- Preheater: Built-in
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional
- Temperature sensor: Built-in

| | Unit of measurement | CIVIC EC DBE 500 S21 V.2 |
|---|---|---|
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Power of electrical preheater | W | 1050 |
| Maximum airflow | m³/h | 510 |
| 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 | 95 |
| 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 |
| Ambient air humidity max | % | 60 |
| Ingress protection rating of the drive | - | IP44 |
| Minimum wall thickness | mm | 100 |

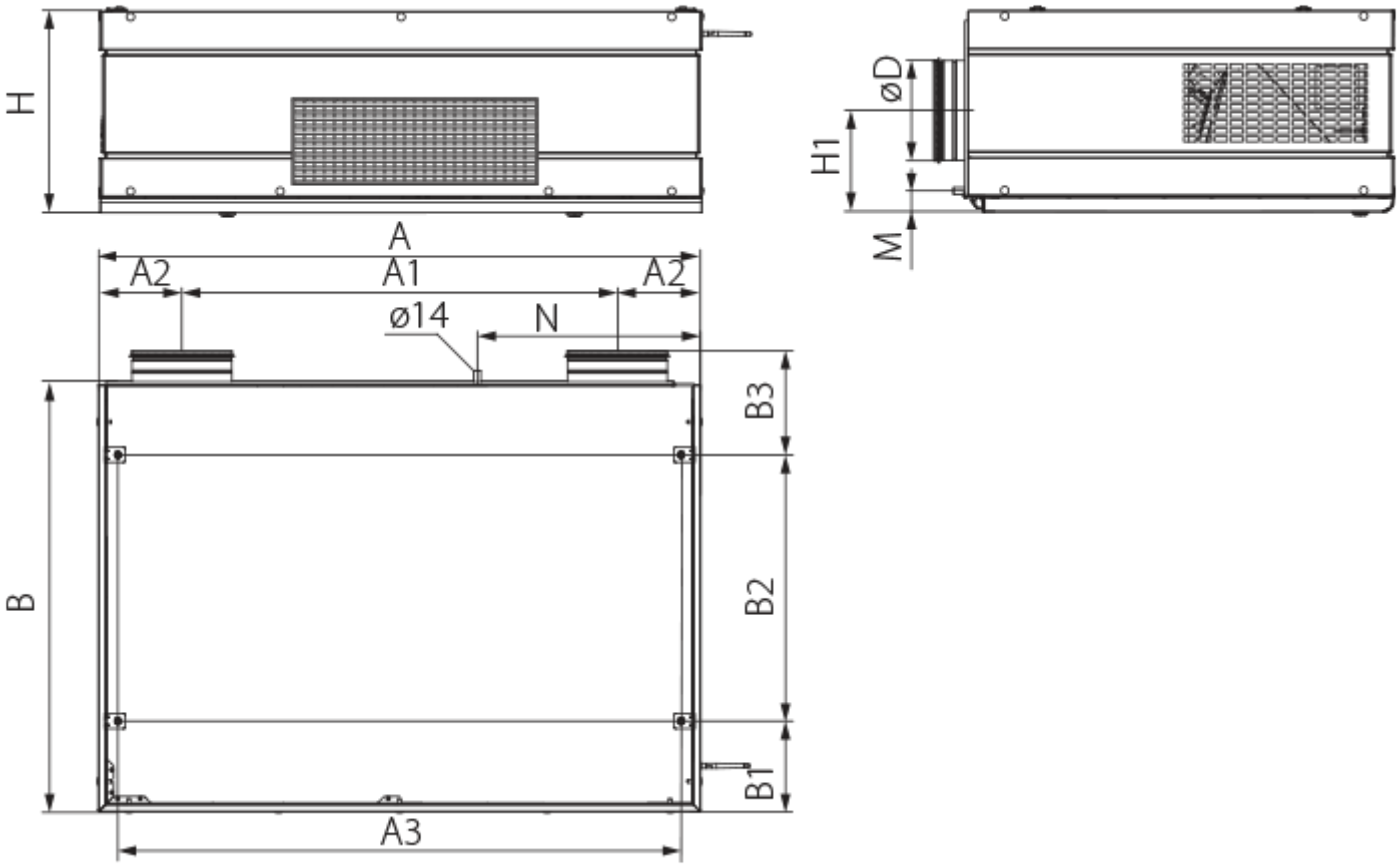
| | | |
|---|---|---|
| Maximum wall thickness | mm | 2000 |



## Dimensions

| ØD | H | H1 | H2 | L | L1 | L2 | L3 | L4 | W / B | W1 / B1 | W2 / B2 | W3 / B3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 458 | 221 | 41 | 1500 | 1135 | 186 | 1422 | 504 | 850 | 181 | 530 | 207 |




## 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 |
| CD-3 |  | Carbon dioxide sensor |

### Humidity sensors

| Name | Photo | Description |
|---|---|---|
| FS2 |  | Humidity sensor |
| DPWC11200 |  | Humidity and temperature sensor |

### VOC sensors

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

### Other accessories

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

| | | |
|---|---|---|
| FP 379x254x48 F7 |  | F7 panel filter |
| FP 379x334x48 G4 |  | G4 panel filter |

### Cooker Hoods

| Name | Photo | Description |
|---|---|---|
| VDC Civic 500 DB |  | Module of vertical duct connection |