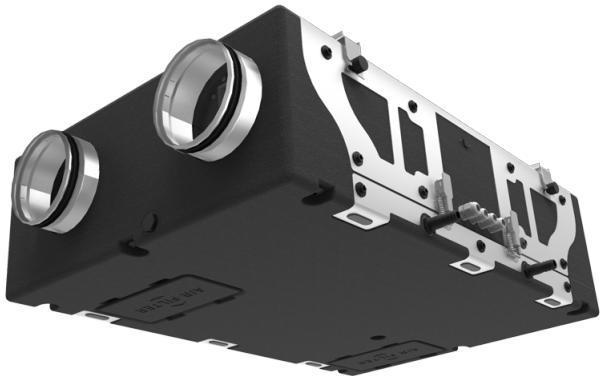
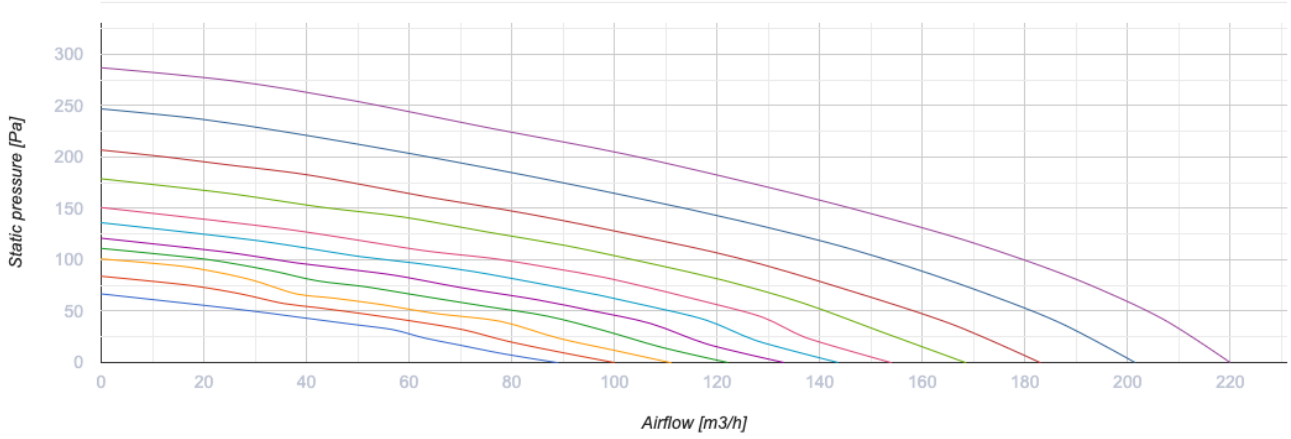


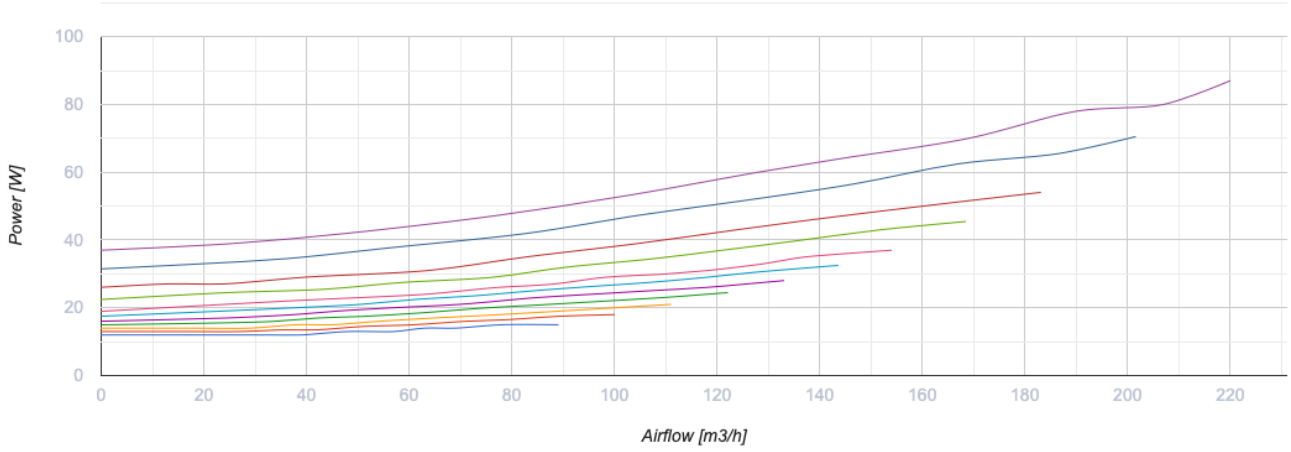
# KOMFORT EC D5B 180 S21

Heat and energy recovery air handling units

- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Sound-insulated casing
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

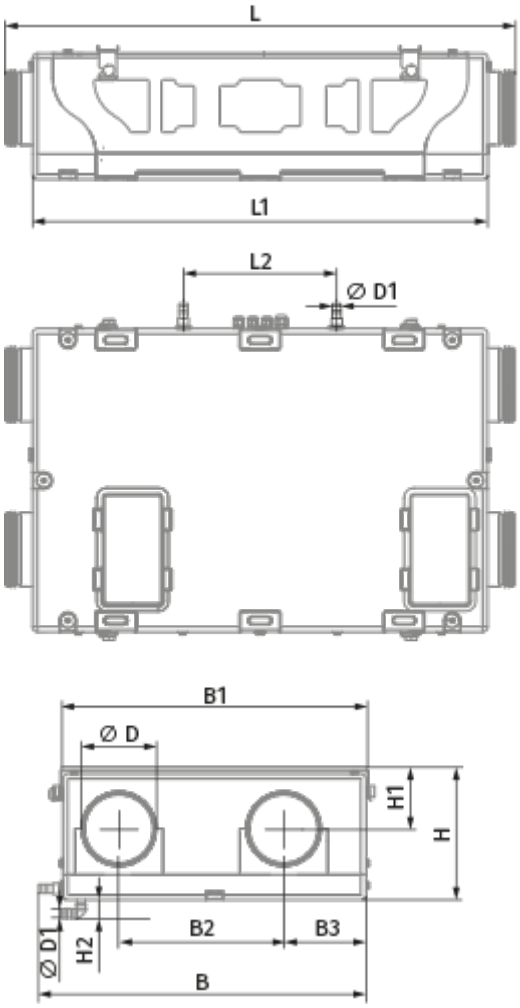
| | Unit of measurement | KOMFORT EC D5B 180 S21 |
|---|---|---|
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Maximum airflow | m³/h | 220 |
| Heat recovery efficiency, max | % | 98 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 14 |
| 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 | - | IP22 |
| Ambient air humidity max | % | 60 |
| Ingress protection rating of the drive | - | IP44 |




## Dimensions

| Ø D | Ø D1 | B | B1 | B2 | B3 | L | L1 | L2 | H | H1 | H2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | 19 | 650 | 600 | 326 | 163 | 900 | 1009 | 302 | 264 | 110 | 38 |




## Accessories

### Condensation drainage

| Name | Photo | Description |
|---|---|---|
| SFK 20x32 |  | Hydraulic syphon for condensate drainage |

### Electrical heaters

| Name | Photo | Description |
|---|---|---|
| EVH 150-0.8-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |
| EVH 150-1.2-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |

| | | |
|---|---|---|
| EVH 150-1.7-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |
| EVH 150-2.0-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |

### 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 214x186x48 F7 |  | F7 panel filter |

| | | |
|---|---|---|
| FP 214x186x18 G4 |  | G4 panel filter |