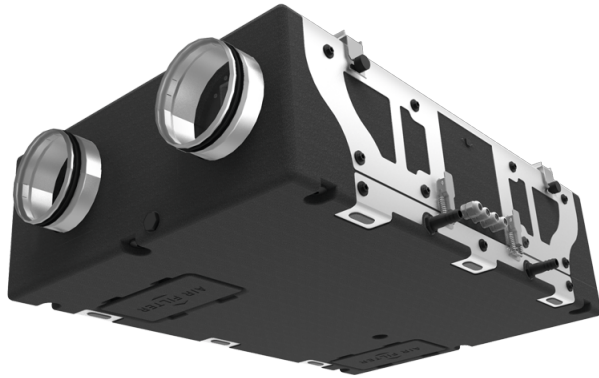


KOMFORT EC D5B 180-E S21

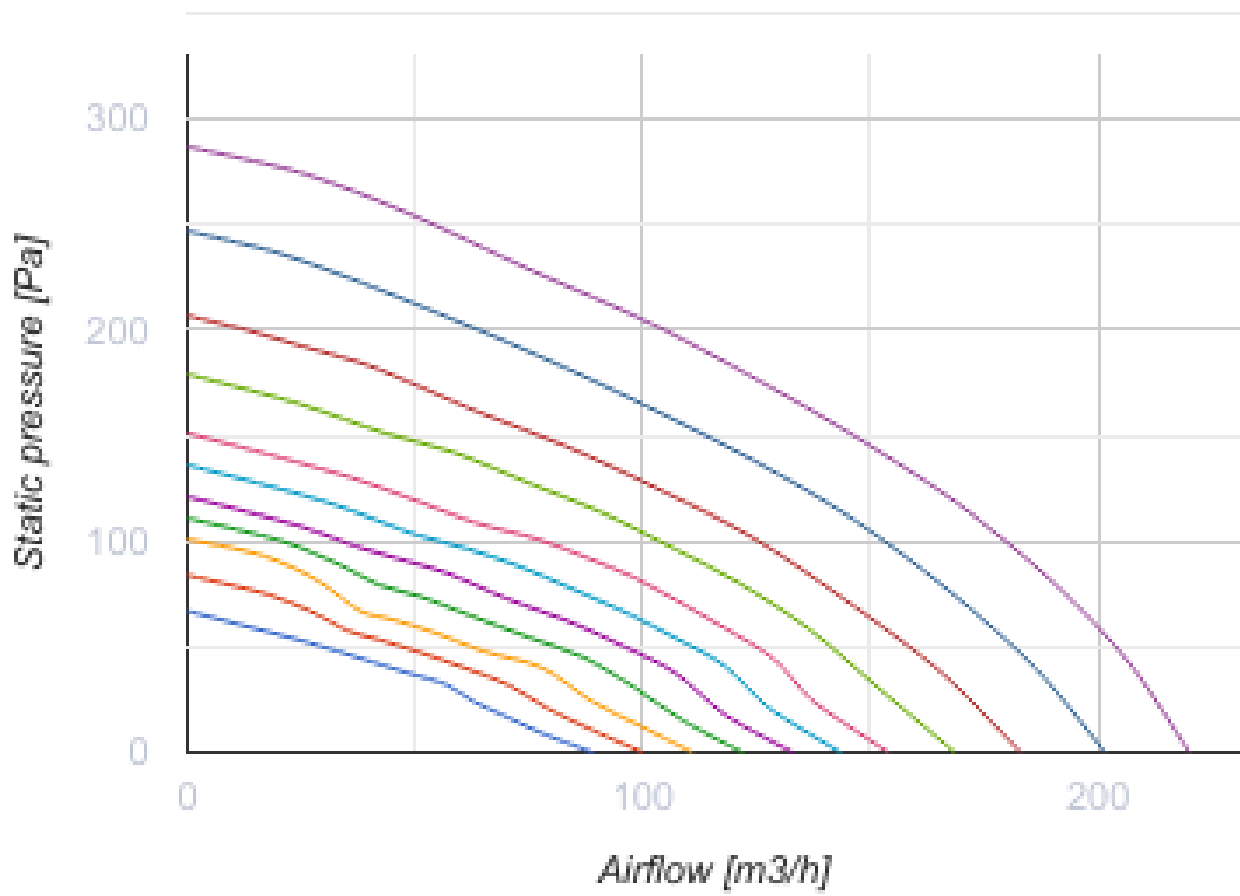
Heat and energy recovery air handling units

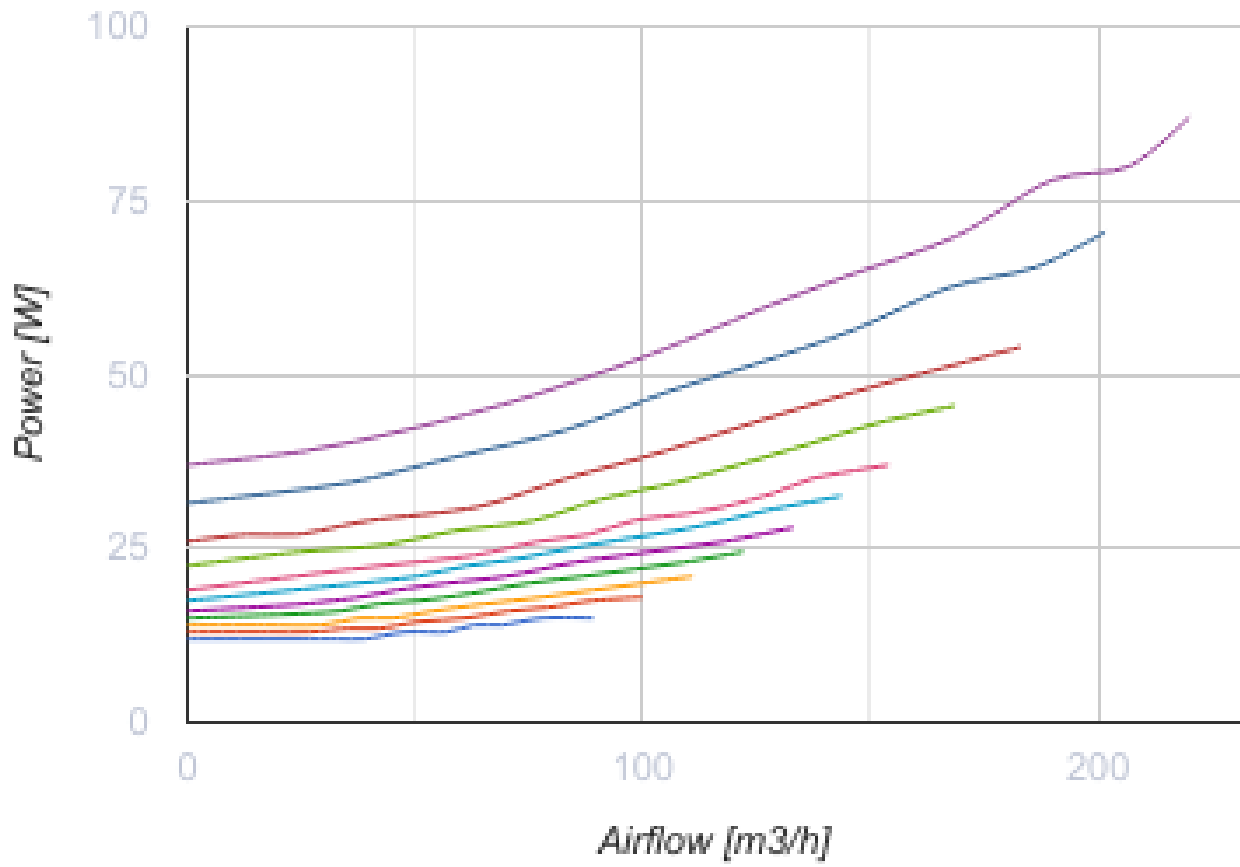


- Maximum airflow: 220
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Installation in any position
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

| | Unit of measurement | KOMFORT EC D5B 180-E S21 |
|-----------------------------------|---------------------|--------------------------|
| Connected air duct size | mm | 150 |
| Speed | - | 1 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 87 |
| Unit current | A | 0.71 |
| Maximum airflow | m ³ /h | 220 |
| Sound pressure level LpA at 3 m | dB(A) | 33 |
| Heat recovery efficiency, max | % | 94 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Enthalpy |
| Weight | kg | 14 |
| Extract filter | - | G4 |
| Supply filter | - | G4 + F7 |
| Transported air temperature (max) | °C | 40 |
| Transported air temperature (min) | °C | -25 |

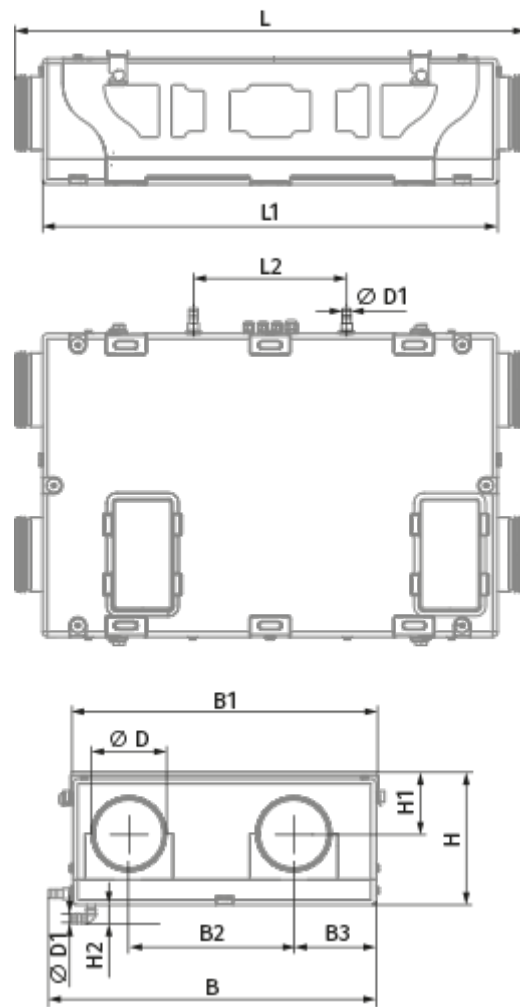
| | | |
|--|----|------|
| Ambient air temperature min | °C | 1 |
| Ambient air temperature max | °C | 40 |
| Ambient air humidity max | % | 60 |
| Ingress protection rating | - | IP22 |
| Ingress protection rating of the drive | - | IP44 |





Dimensions

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






Accessories

Other accessories

| Name | Photo | Description |
|------------------|---|-----------------|
| FP 214x186x18 G4 |  | G4 panel filter |
| FP 214x186x48 F7 |  | F7 panel filter |

Control Panels



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

| | | |
|---------------------------|---|-------------------|
| S22 |  | Control panels |
| S22 Wi-Fi |  | Control panels |
| S25 |  | LCD control panel |






Humidity sensors




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

CO2 sensors




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

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 |
| ENH 150-0.8-1 S21 V.2 |  | Duct heater for supply air reheating |

| | | |
|---------------------------------------|---|--------------------------------------|
| ENH 150-1.2-1 S21 V.2 |  | Duct heater for supply air reheating |
| ENH 150-1.7-1 S21 V.2 |  | Duct heater for supply air reheating |
| ENH 150-2.0-1 S21 V.2 |  | Duct heater for supply air reheating |

For round ducts

| Name | Photo | Description |
|-----------------------------|---|---------------------------|
| SD 150/600 |  | Silencers for round ducts |
| SD 150/900 |  | Silencers for round ducts |
| SD 150/1200 |  | Silencers for round ducts |

For round ducts

| Name | Photo | Description |
|-------------------------|---|-----------------------------|
| VKA 150 |  | Air dampers for round ducts |