

KOMFORT EC LB 400-E S21

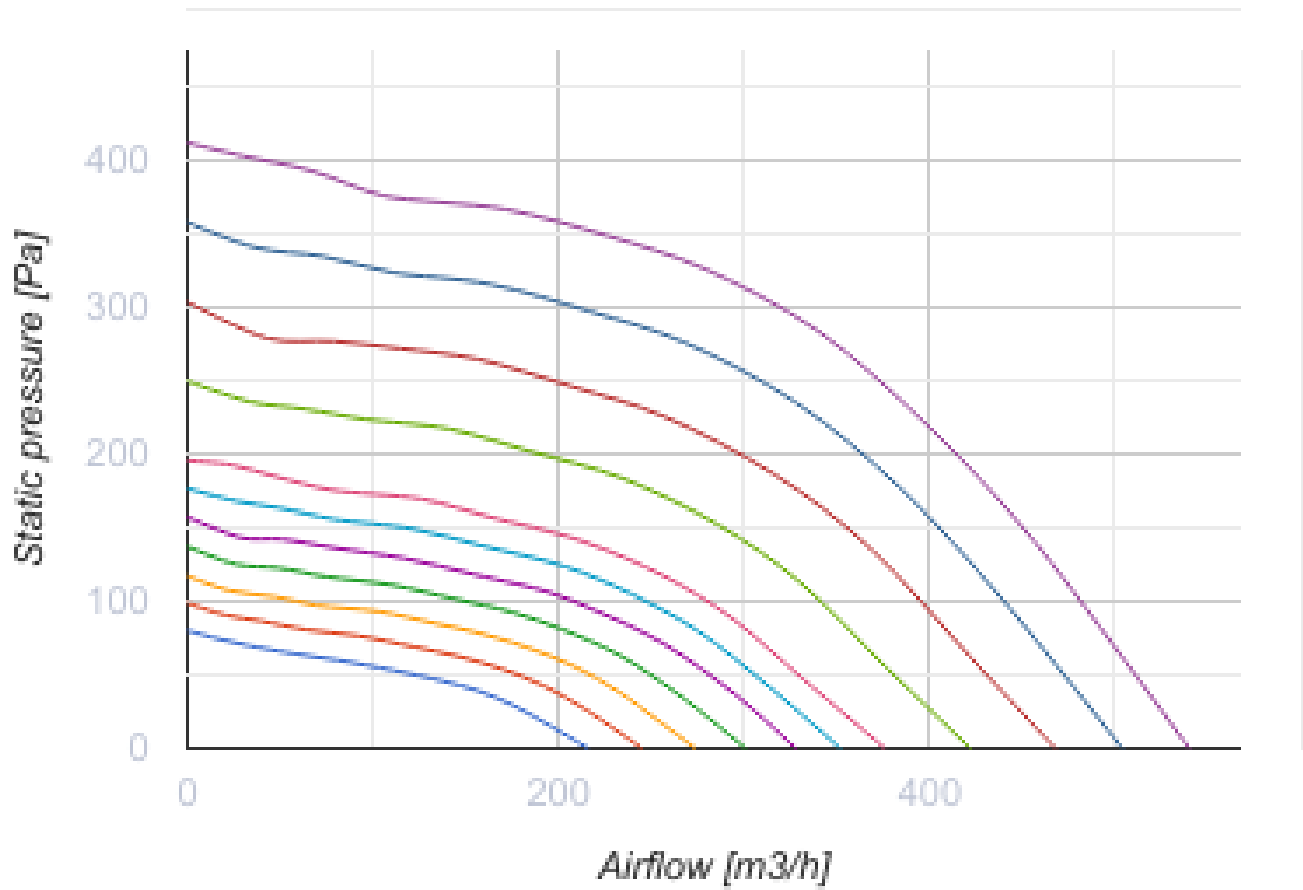
Heat recovery air handling units

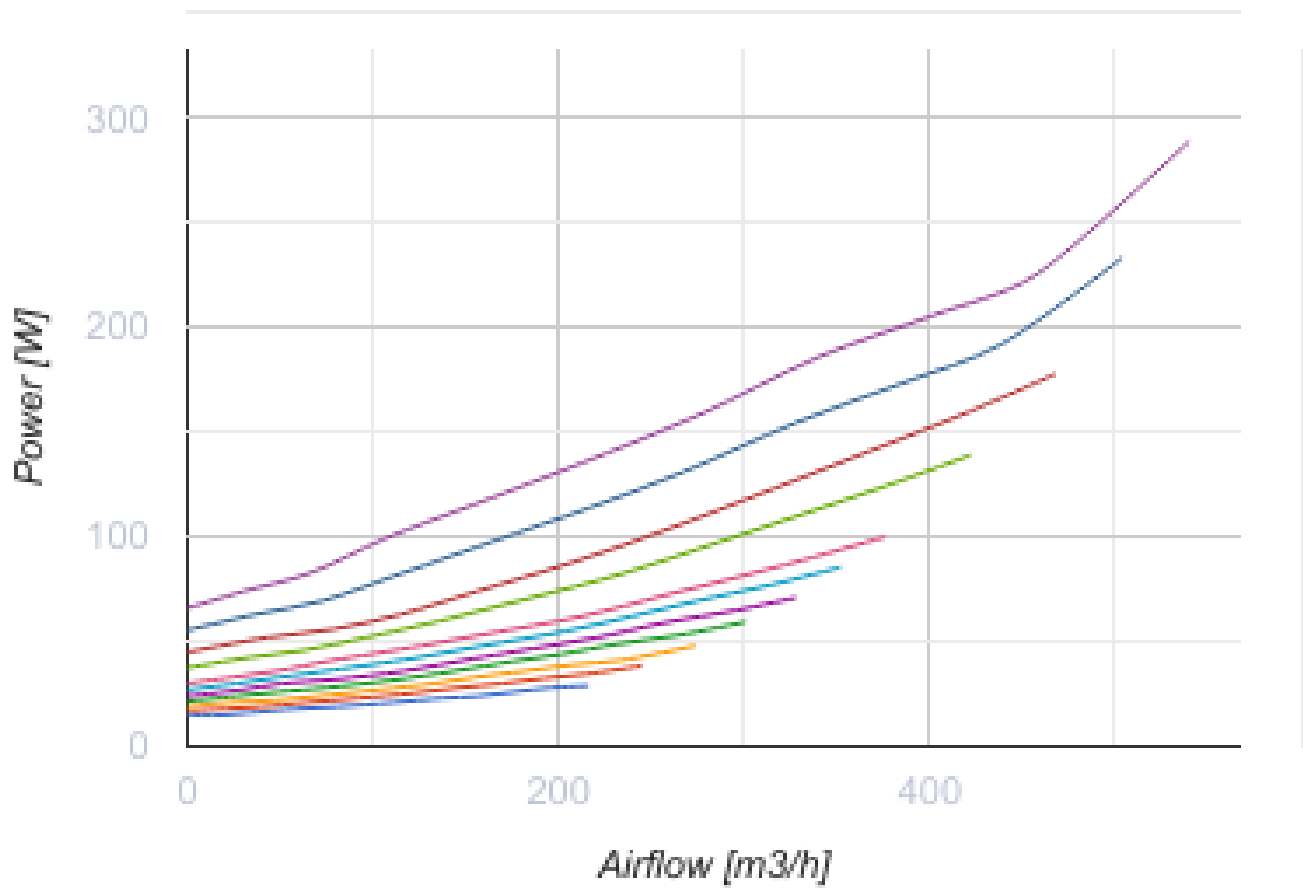


- Maximum airflow: 540
- Sound pressure level LpA at 3 m: 27
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Aluzinc steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

| | Unit of measurement | KOMFORT EC LB 400-E S21 |
|-----------------------------------|---------------------|-------------------------|
| Connected air duct size | mm | 200 |
| Speed | - | 1 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 289 |
| Unit current | A | 2.1 |
| Maximum airflow | m ³ /h | 540 |
| Sound pressure level LpA at 3 m | dB(A) | 27 |
| Heat recovery efficiency, max | % | 89 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Enthalpy |
| Weight | kg | 74.8 |
| 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 |

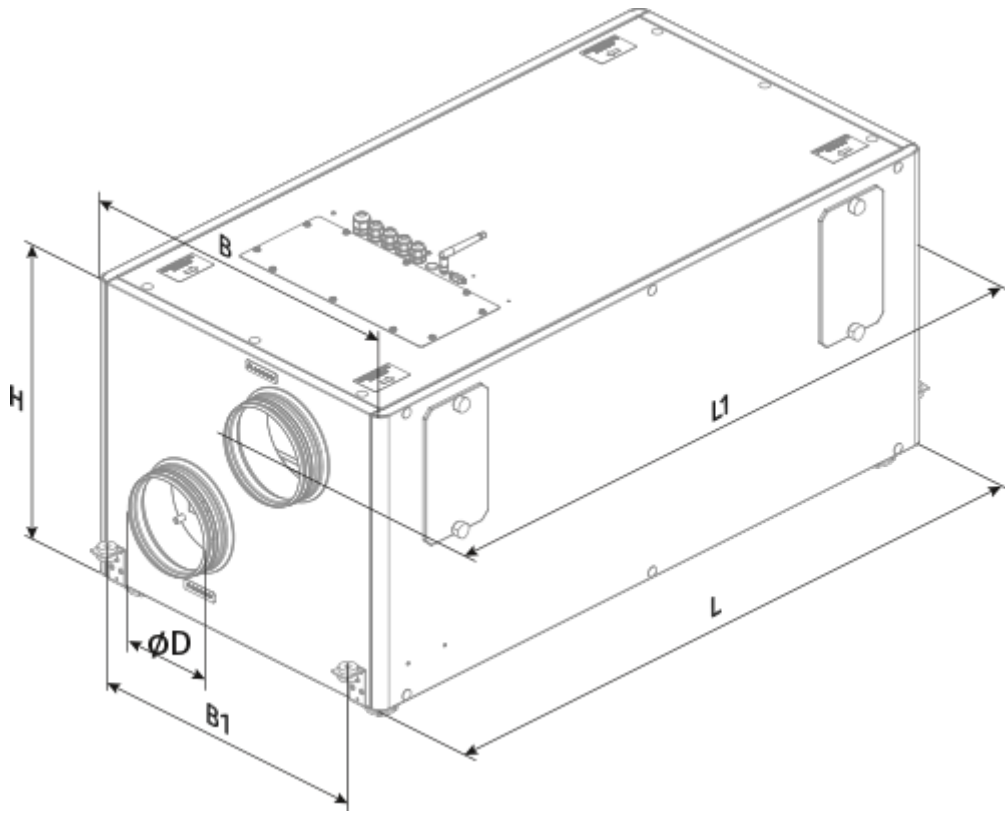
| | | |
|--|----|------|
| Ambient air temperature max | °C | 40 |
| Ambient air humidity max | % | 60 |
| Ingress protection rating | - | IP22 |
| Ingress protection rating of the drive | - | IP44 |



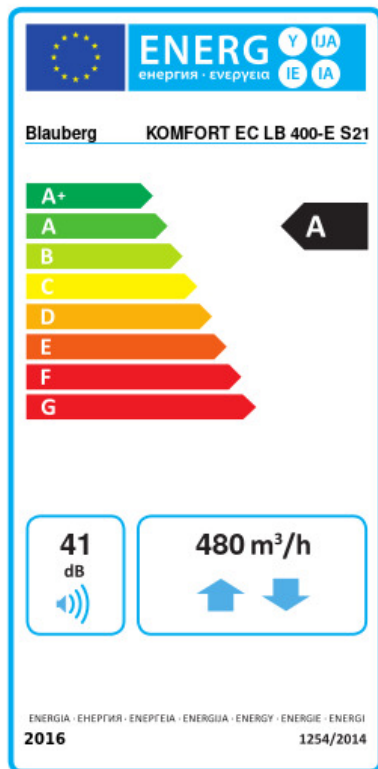


Dimensions

| Ø D | B | B1 | H | L | L1 |
|-----|-----|-----|-----|------|------|
| 197 | 682 | 596 | 504 | 1094 | 1191 |



Ecodesign




| | | | | | | |
|---|-------------------------|----|---------|---|------|---|
| Trademark | Blauberg | | | | | |
| Model | KOMFORT EC LB 400-E S21 | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | 79.2 | A+ | 41.3 | A | 16.9 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 82 | | | | | |
| Maximum flow rate (m ³ /h) | 480 | | | | | |
| Electric power input (W) | 240 | | | | | |
| Reference flow rate (m ³ /s) | 0.092 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.268 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 41 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 724 | | 187 | | 142 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8857 | | 4528 | | 2047 | |




Accessories

Other accessories




| Name | Photo | Description |
|------------------|-------|-----------------|
| FP 600x205x48 G4 | | G4 panel filter |

| | | |
|------------------|---|-----------------|
| FP 600x205x48 F7 |  | F7 panel filter |
|------------------|---|-----------------|




Other accessories




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

Other accessories




| Name | Photo | Description |
|----------------------|---|-----------------|
| FS2 |  | Humidity sensor |
| CD-1 |  | CO2 sensors |
| CD-2 |  | CO2 sensors |

Other accessories



| Name | Photo | Description |
|---------------------------------------|---|--------------------------------------|
| ENH 200-1.2-1 S21 V.2 |  | Duct heater for supply air reheating |
| ENH 200-1.7-1 S21 V.2 |  | Duct heater for supply air reheating |
| ENH 200-2.0-1 S21 V.2 |  | Duct heater for supply air reheating |

| | | |
|---------------------------------------|---|--|
| EVH 200-1.2-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |
| EVH 200-1.7-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |
| EVH 200-2.0-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |


Other accessories

| Name | Photo | Description |
|-----------------------------|---|---------------------------|
| SD 200/600 |  | Silencers for round ducts |
| SD 200/900 |  | Silencers for round ducts |
| SD 200/1200 |  | Silencers for round ducts |

Other accessories

| Name | Photo | Description |
|-------------------------|---|---|
| VRV 200 |  | Backdraft dampers with spring for round ducts |
| VKA 200 |  | Air dampers for round ducts |

Other accessories

| Name | Photo | Description |
|----------------------|---|-------------|
| CP-2 |  | Drain pump |

Other accessories

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

[Belimo TF230](#)



Electric actuators