

KOMFORT EC LBE 300 S21

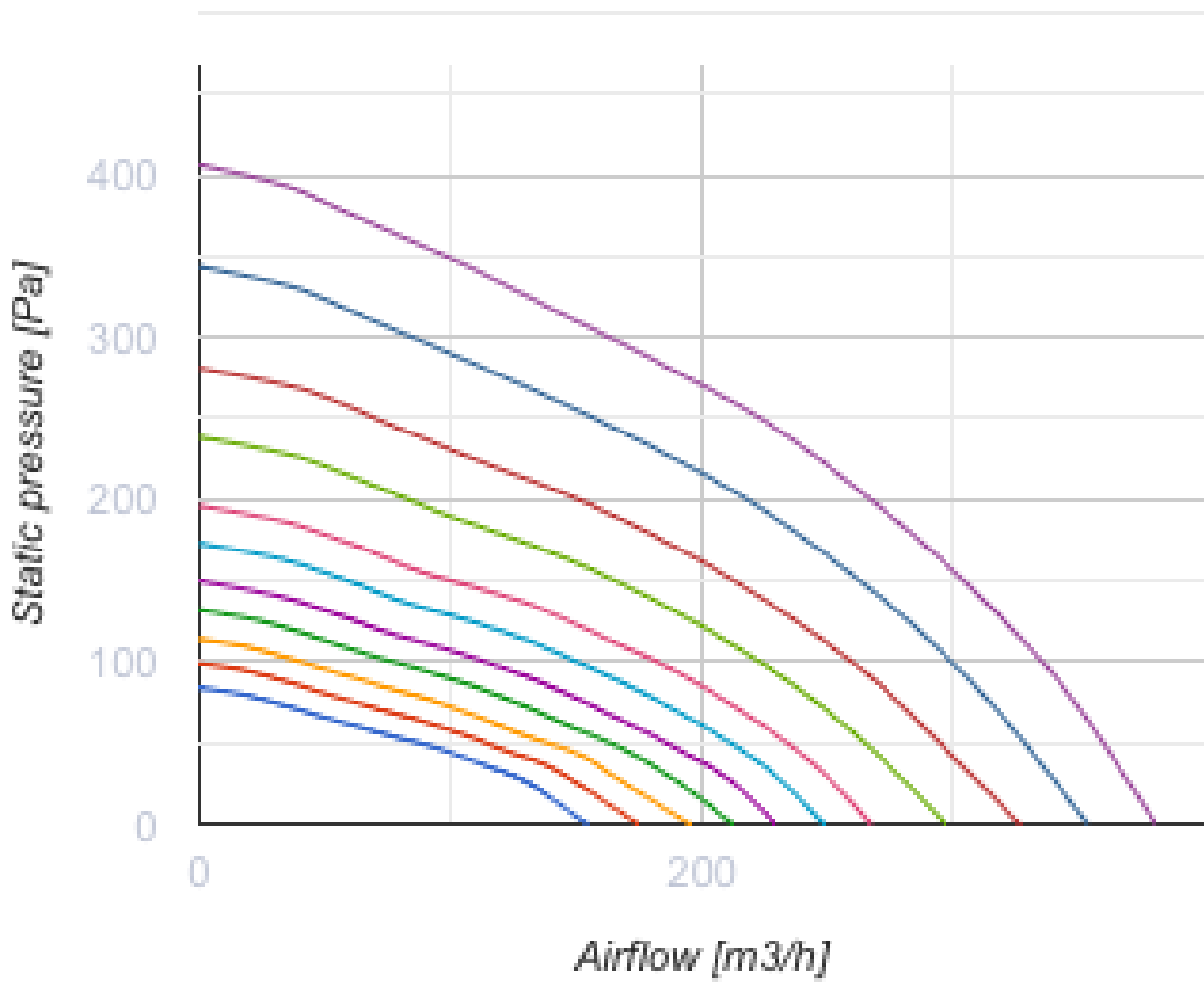
Heat recovery air handling units

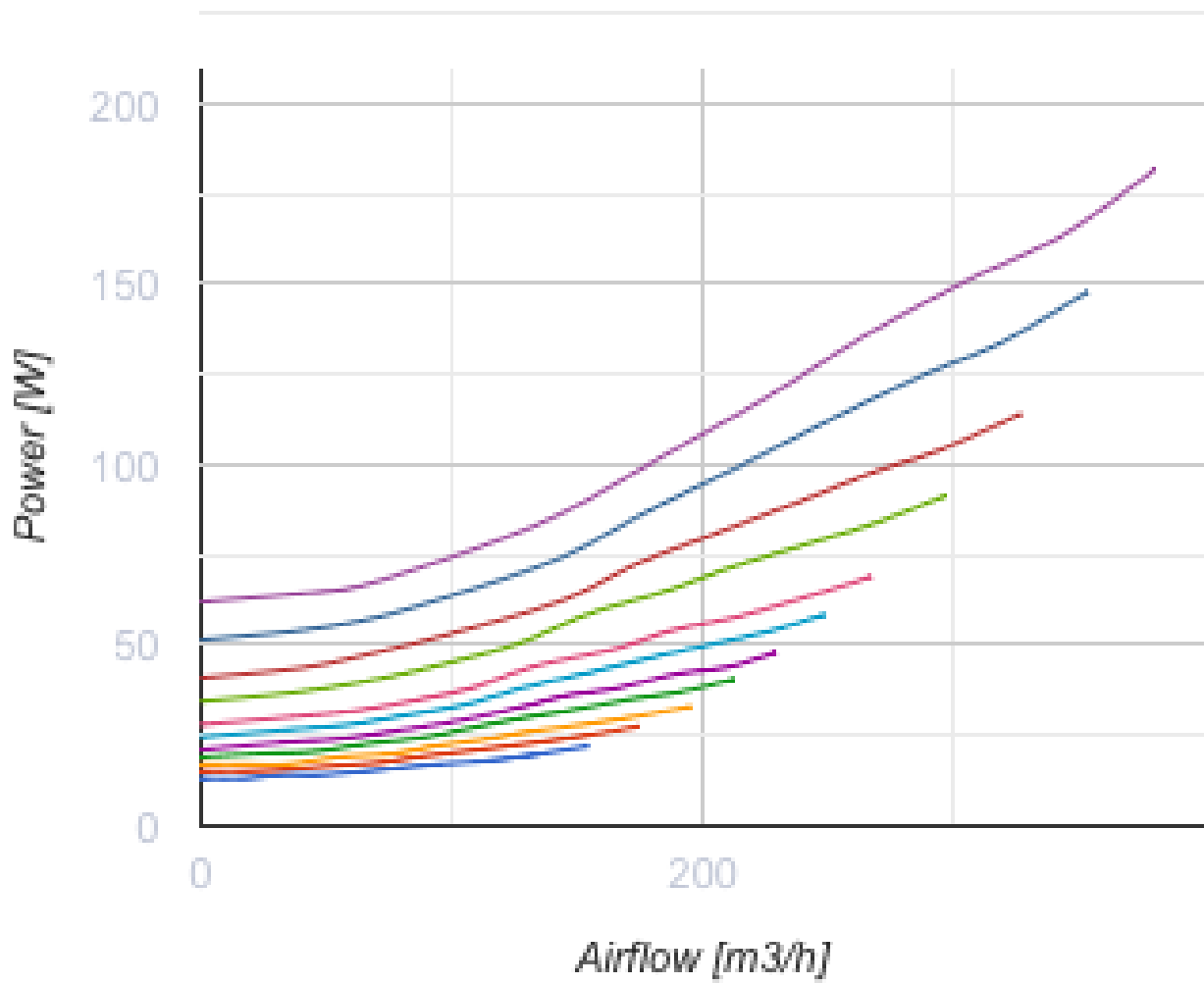


- Power of electrical reheater: 2800
- Maximum airflow: 380
- Sound pressure level LpA at 3 m: 24
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Electric
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Aluzinc steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

| | Unit of measurement | KOMFORT EC LBE 300 S21 |
|-----------------------------------|---------------------|------------------------|
| Connected air duct size | mm | 160 |
| Speed | - | 1 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 182 |
| Power of electrical reheater | W | 2800 |
| Unit current | A | 13.6 |
| Maximum airflow | m ³ /h | 380 |
| Sound pressure level LpA at 3 m | dB(A) | 24 |
| Heat recovery efficiency, max | % | 98 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 64.3 |
| Extract filter | - | G4 |
| Supply filter | - | G4 + F7 |
| Transported air temperature (max) | °C | 40 |
| Transported air temperature (min) | °C | -25 |

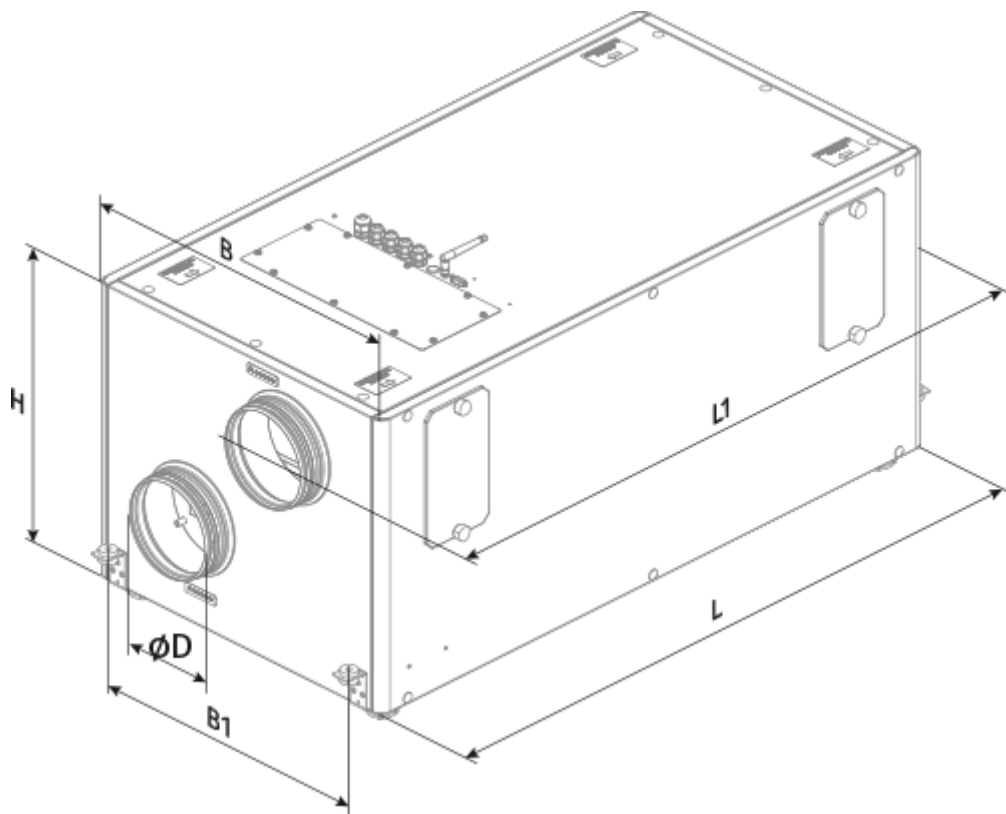
| | | |
|--|----|------|
| Ambient air temperature min | °C | 1 |
| Ambient air temperature max | °C | 40 |
| Ambient air humidity max | % | 60 |
| Ingress protection rating | - | IP22 |
| Ingress protection rating of the drive | - | IP44 |



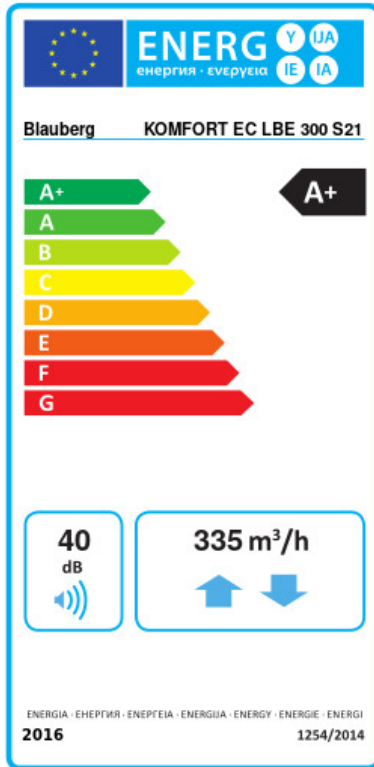


Dimensions

| Ø D | B | B1 | H | L | L1 |
|-----|-----|-----|-----|------|------|
| 157 | 566 | 480 | 479 | 1083 | 1180 |



Ecodesign




| | | | | | | |
|---|------------------------|----|---------|----|------|---|
| Trademark | Blauberg | | | | | |
| Model | KOMFORT EC LBE 300 S21 | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | 81.3 | A+ | 42.4 | A+ | 17.4 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 87 | | | | | |
| Maximum flow rate (m ³ /h) | 335 | | | | | |
| Electric power input (W) | 155 | | | | | |
| Reference flow rate (m ³ /s) | 0.064 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.265 | | | | | |
| 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)) | 40 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 722 | | 185 | | 140 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 9060 | | 4631 | | 2094 | |




Accessories

Other accessories


| Name | Photo | Description |
|------------------|-------|-----------------|
| FP 484x178x48 G4 | | G4 panel filter |

| | | |
|------------------|---|-----------------|
| FP 484x178x48 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 160-0.8-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |
| EVH 160-1.2-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |

| | | |
|---------------------------------------|---|--|
| EVH 160-1.7-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |
| EVH 160-2.0-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |


For round ducts

| Name | Photo | Description |
|-----------------------------|---|---------------------------|
| SD 160/600 |  | Silencers for round ducts |
| SD 160/900 |  | Silencers for round ducts |
| SD 160/1200 |  | Silencers for round ducts |

For round ducts

| Name | Photo | Description |
|-------------------------|---|---|
| VRV 160 |  | Backdraft dampers with spring for round ducts |
| VKA 160 |  | Air dampers for round ducts |

Condensation drainage

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

Electric actuators

| Name | Photo | Description |
|------------------------------|---|--------------------|
| Belimo TF230 |  | Electric actuators |