



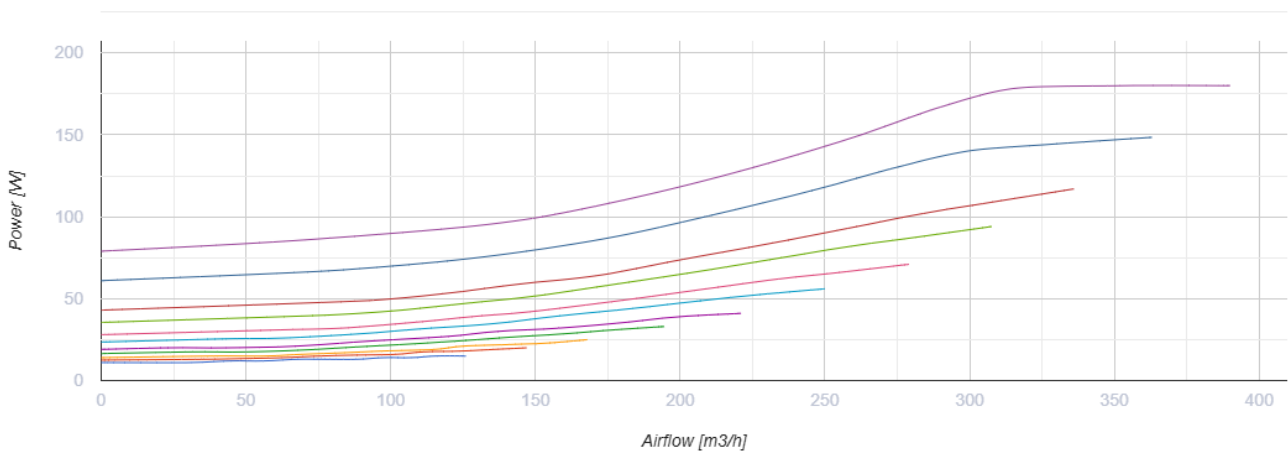
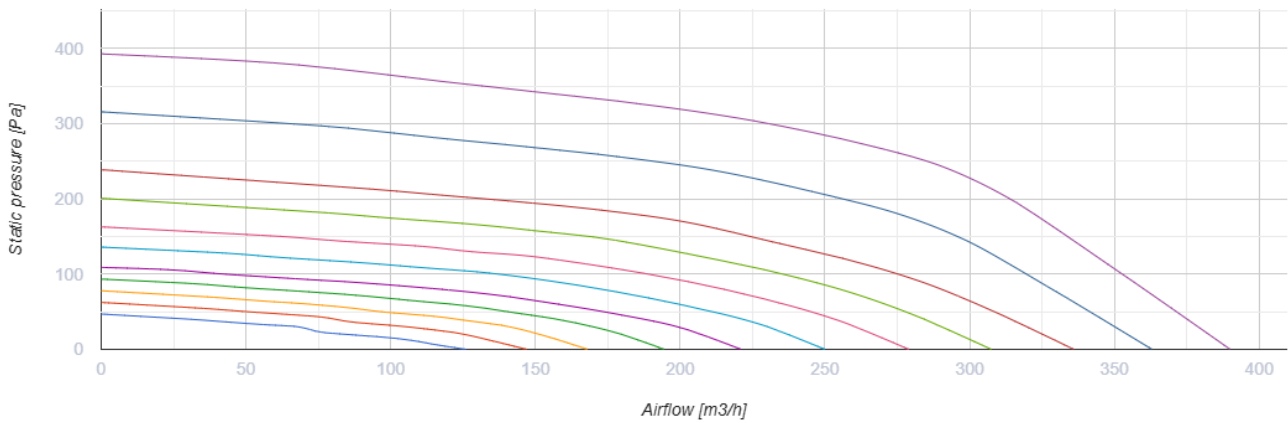
KOMFORT EC SB 250-E R S21

Heat and humidity recovery air handling units

- Maximum airflow: 390
- Sound pressure level LpA at 3 m: 35
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (option: F7)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

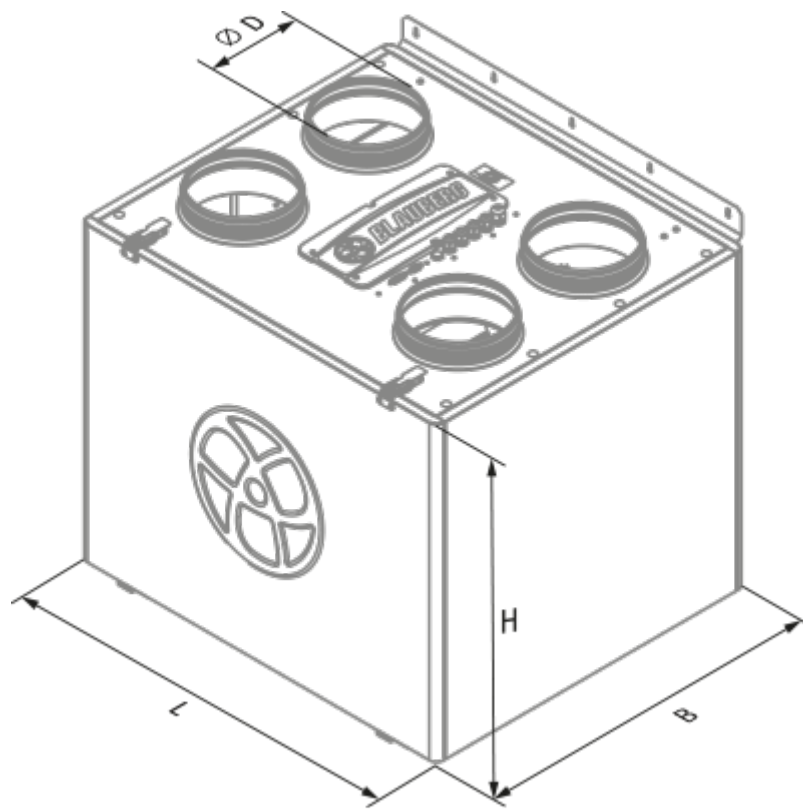
| | Unit of measurement | KOMFORT EC SB 250-E R S21 |
|-----------------------------------|---------------------|---------------------------|
| Connected air duct size | mm | 160 |
| Speed | - | 1 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 180 |
| Unit current | A | 1.37 |
| Maximum airflow | m ³ /h | 390 |
| Sound pressure level LpA at 3 m | dB(A) | 35 |
| Heat recovery efficiency, max | % | 90 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Enthalpy |
| Weight | kg | 66 |
| Extract filter | - | G4 |
| Supply filter | - | G4 (option: 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 | - | IP20 |
| Ingress protection rating of the drive | - | IP44 |

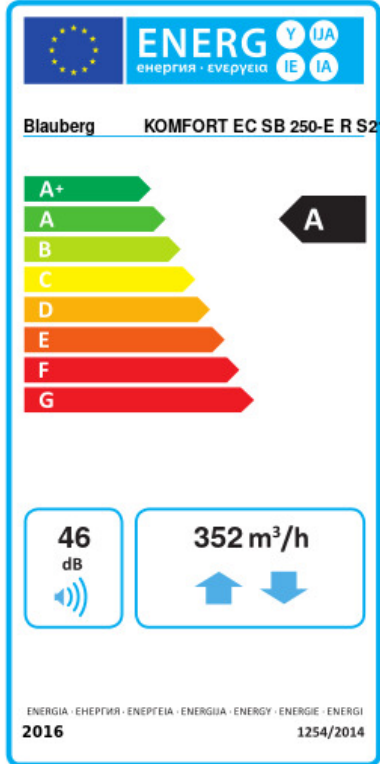


Dimensions

| ØD | B | H | L |
|-----|-----|-----|-----|
| 160 | 560 | 970 | 560 |



Ecodesign



| | | | | | | |
|---|---------------------------|----|---------|---|------|---|
| Trademark | Blauberg | | | | | |
| Model | KOMFORT EC SB 250-E R S21 | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | 78.5 | A+ | 41 | A | 16.8 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 80 | | | | | |
| Maximum flow rate (m ³ /h) | 352 | | | | | |
| Electric power input (W) | 180 | | | | | |
| Reference flow rate (m ³ /s) | 0.068 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.261 | | | | | |
| 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)) | 46 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 720 | | 183 | | 138 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8776 | | 4486 | | 2029 | |