



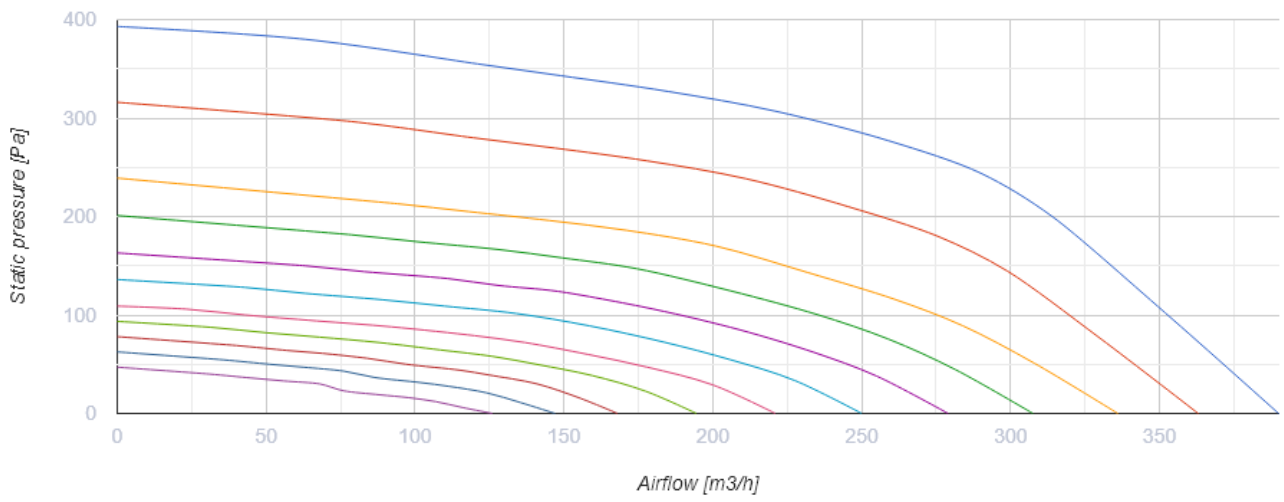
# KOMFORT EC SBE 250-E R S21

Heat and humidity recovery air handling units

- Power of electrical preheater: 1400
- 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: Built-in
- 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 SBE 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                        |
| Power of electrical preheater     | W                   | 1400                       |
| Unit current                      | A                   | 7.46                       |
| Maximum airflow                   | m <sup>3</sup> /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 |

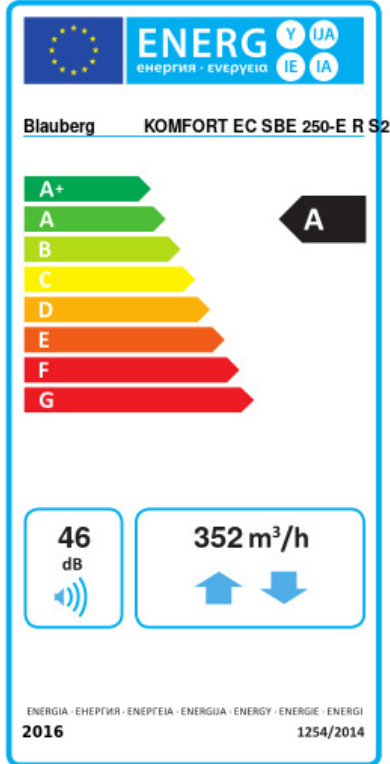


## Dimensions

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



## Ecodesign



|   |                            |    |         |   |      |   |
|---|----------------------------|----|---------|---|------|---|
| Trademark   | Blauberg                   |    |         |   |      |   |
| Model   | KOMFORT EC SBE 250-E R S21 |    |         |   |      |   |
| Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /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 <sup>3</sup> /h)                       | 352                        |    |         |   |      |   |
| Electric power input (W)                                    | 180                        |    |         |   |      |   |
| Reference flow rate (m <sup>3</sup> /s)                     | 0.068                      |    |         |   |      |   |
| Reference pressure difference (Pa)                          | 50                         |    |         |   |      |   |
| Specific power input (SPI) (W/(m <sup>3</sup> /h))          | 0.261                      |    |         |   |      |   |
| Control typology  | Local demand control       |    |         |   |      |   |
| Maximum internal leakage rates (%)                          | 2.7                        |    |         |   |      |   |
| Maximum external leakage rates (%)                          | 2.7                        |    |         |   |      |   |
| Sound power level (dB(A))                                   | 46                         |    |         |   |      |   |
| Declared typology   | RVU BVU                    |    |         |   |      |   |
| 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 |   |