



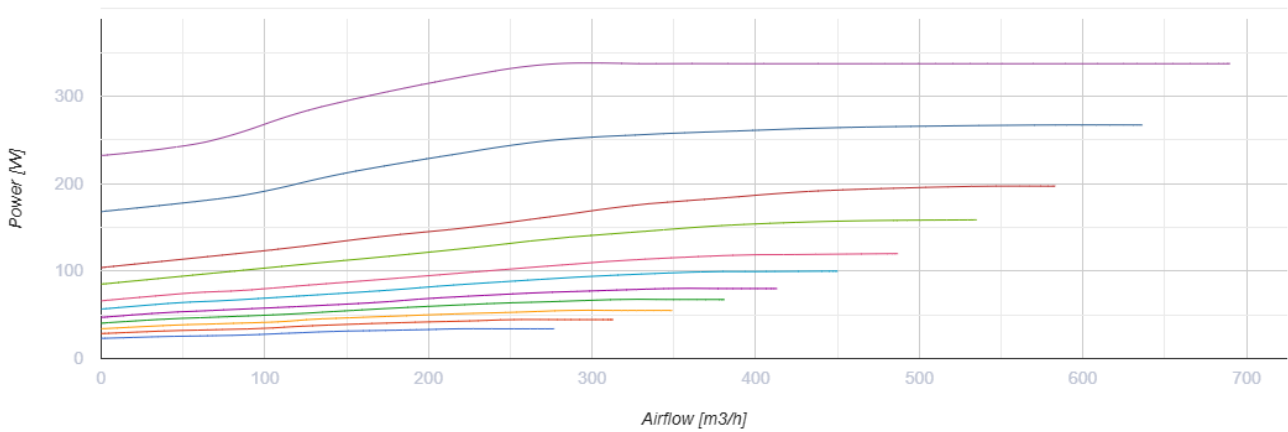
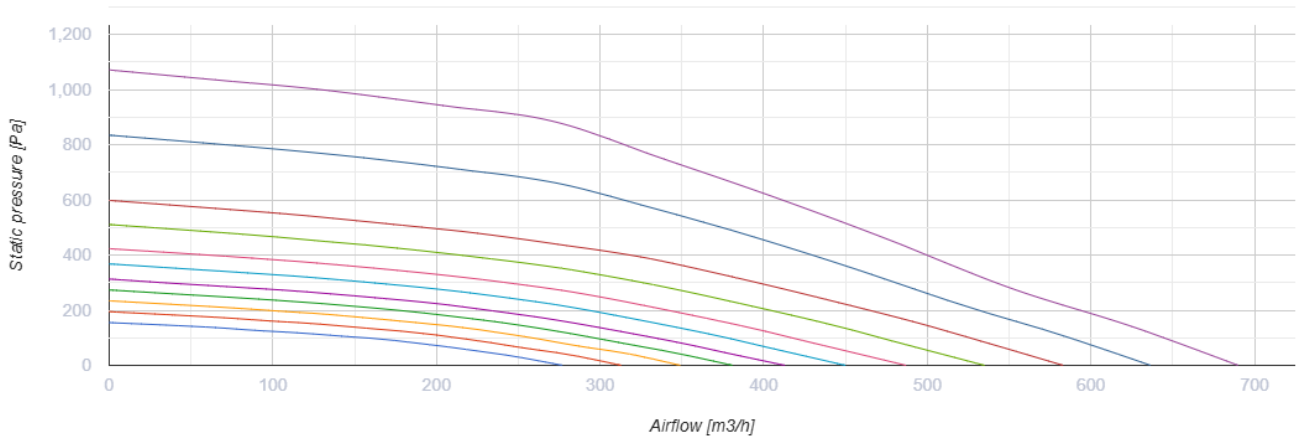
# KOMFORT EC SB 550-E S21

Heat and humidity recovery air handling units

- Maximum airflow: 692
- Sound pressure level LpA at 3 m: 38
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: F7 (option: G4)
- 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

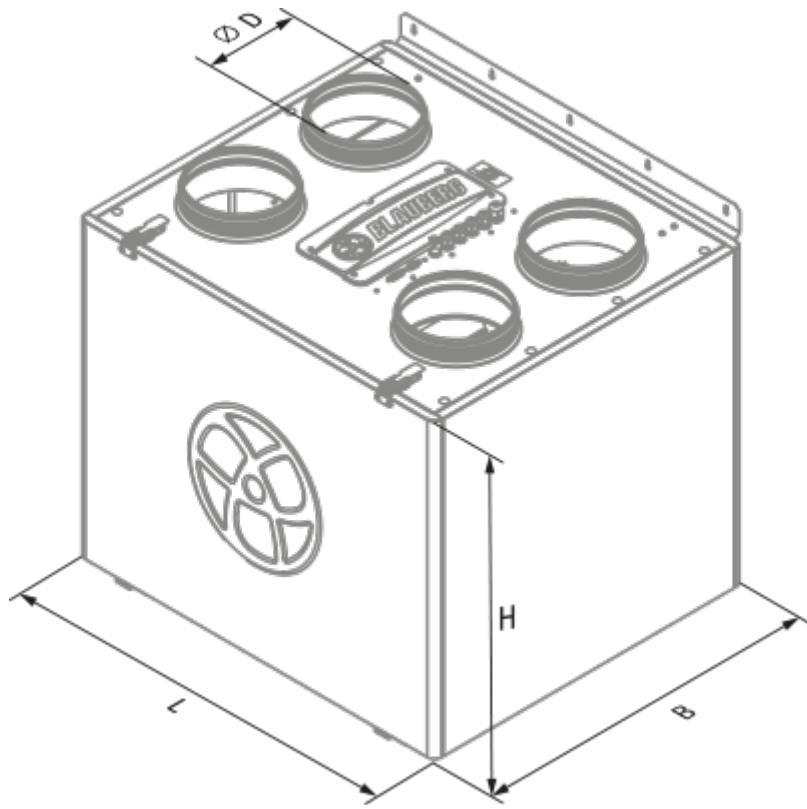
|                                   | Unit of measurement | KOMFORT EC SB 550-E S21 |
|-----------------------------------|---------------------|-------------------------|
| Connected air duct size           | mm                  | 200                     |
| Speed                             | -                   | 1                       |
| Phases                            | -                   | 1                       |
| Minimum supply voltage            | V                   | 230                     |
| Maximum supply voltage            | V                   | 230                     |
| Power supply frequency            | Hz                  | 50/60                   |
| Rated power                       | W                   | 350                     |
| Unit current                      | A                   | 2.4                     |
| Maximum airflow                   | m <sup>3</sup> /h   | 692                     |
| Sound pressure level LpA at 3 m   | dB(A)               | 38                      |
| Heat recovery efficiency, max     | %                   | 91                      |
| Heat exchanger type               | -                   | Counter flow            |
| Heat exchanger material           | -                   | Enthalpy                |
| Weight                            | kg                  | 82                      |
| Extract filter                    | -                   | G4                      |
| Supply filter                     | -                   | F7 (option: G4)         |
| 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 |

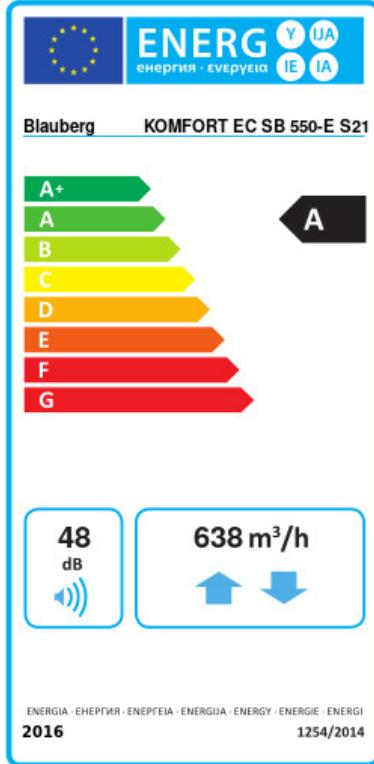


## Dimensions

| ØD  | B   | H   | L   |
|-----|-----|-----|-----|
| 200 | 720 | 675 | 823 |



## Ecodesign




|   |                         |         |      |      |    |   |
|---|-------------------------|---------|------|------|----|---|
| Trademark   | Blauberg                |         |      |      |    |   |
| Model   | KOMFORT EC SB 550-E S21 |         |      |      |    |   |
| Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a)) | Cold                    | Average |      | Warm |    |   |
|   | 76.4                    | A+      | 39.7 | A    | 16 | E |
| Type of ventilation unit                                    | Bidirectional           |         |      |      |    |   |
| Type of drive installed                                     | Variable speed          |         |      |      |    |   |
| Type of heat recovery system                                | Recuperative            |         |      |      |    |   |
| Thermal efficiency of heat recovery (%)                     | 76                      |         |      |      |    |   |
| Maximum flow rate (m <sup>3</sup> /h)                       | 638                     |         |      |      |    |   |
| Electric power input (W)                                    | 350                     |         |      |      |    |   |
| Reference flow rate (m <sup>3</sup> /s)                     | 0.123                   |         |      |      |    |   |
| Reference pressure difference (Pa)                          | 50                      |         |      |      |    |   |
| Specific power input (SPI) (W/(m <sup>3</sup> /h))          | 0.295                   |         |      |      |    |   |
| 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))                                   | 48                      |         |      |      |    |   |
| The annual electricity consumption (AEC) (kWh/a)            | Cold                    | Average |      | Warm |    |   |
|   | 738                     | 201     |      | 156  |    |   |
| The annual heating saved (AHS) (kWh/a)                      | Cold                    | Average |      | Warm |    |   |
|   | 8614                    | 4403    |      | 1991 |    |   |




## Accessories

### Other accessories


| Name             | Photo | Description     |
|------------------|-------|-----------------|
| FP 630x198x40 G4 |       | G4 panel filter |

|                  |   |                 |
|------------------|---|-----------------|
| FP 630x198x40 F7 |  | F7 panel filter |
|------------------|---|-----------------|



### Control Panels

| Name                      | Photo   | Description       |
|---------------------------|---|-------------------|
| <a href="#">S22</a>       |  | Control panels    |
| <a href="#">S22 Wi-Fi</a> |  | Control panels    |
| <a href="#">S25</a>       |  | LCD control panel |



### Humidity sensors





| Name                | Photo   | Description     |
|---------------------|---|-----------------|
| <a href="#">FS2</a> |  | Humidity sensor |

### CO2 sensors


| Name                 | Photo   | Description |
|----------------------|---|-------------|
| <a href="#">CD-1</a> |  | CO2 sensors |
| <a href="#">CD-2</a> |  | CO2 sensors |

### Electrical heaters


| Name                                  | Photo   | Description  |
|---------------------------------------|---|--|
| <a href="#">EVH 200-1.2-1 S21 V.2</a> |  | Electric duct preheater for heat exchanger freeze protection |
| <a href="#">EVH 200-1.7-1 S21 V.2</a> |  | Electric duct preheater for heat exchanger freeze protection |

|                                       |   |  |
|---------------------------------------|---|--|
| <a href="#">EVH 200-2.0-1 S21 V.2</a> |  | Electric duct preheater for heat exchanger freeze protection |
| <a href="#">ENH 200-1.2-1 S21 V.2</a> |  | Duct heater for supply air reheating                         |
| <a href="#">ENH 200-1.7-1 S21 V.2</a> |  | Duct heater for supply air reheating                         |
| <a href="#">ENH 200-2.0-1 S21 V.2</a> |  | Duct heater for supply air reheating                         |

### For round ducts

| Name                    | Photo   | Description                 |
|-------------------------|---|-----------------------------|
| <a href="#">VKA 200</a> |  | Air dampers for round ducts |

### Electric actuators

| Name                         | Photo   | Description        |
|------------------------------|---|--------------------|
| <a href="#">Belimo TF230</a> |  | Electric actuators |