

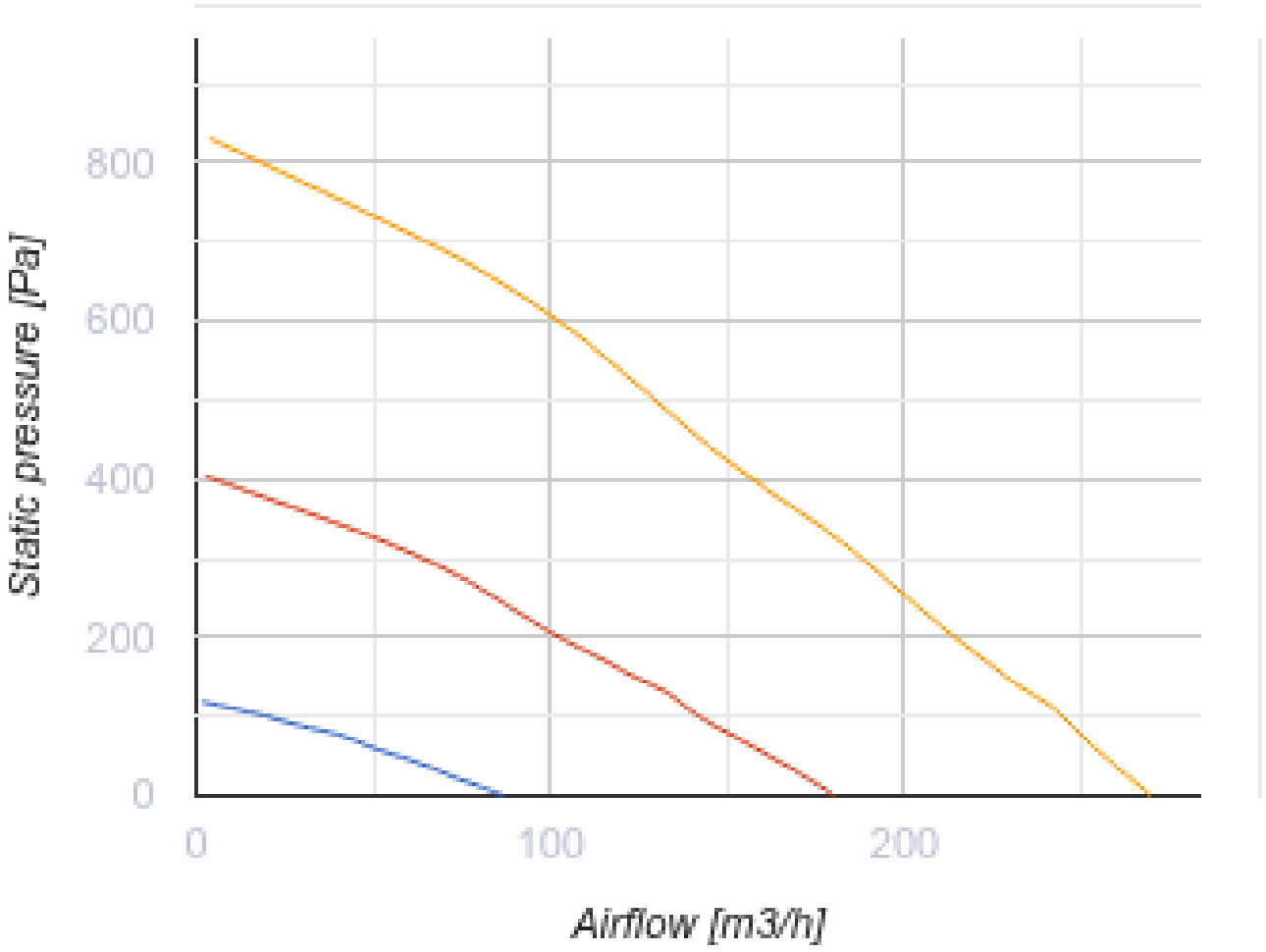
# KOMFORT Roto EC SKS 202 R S21

Air handling units with rotary heat exchanger

- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Rotary
- Heat exchanger material: Aluminum
- Supply filter: G4 (F7 optional)
- Extract filter: G4
- Sound-insulated casing
- Bypass: Auto
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

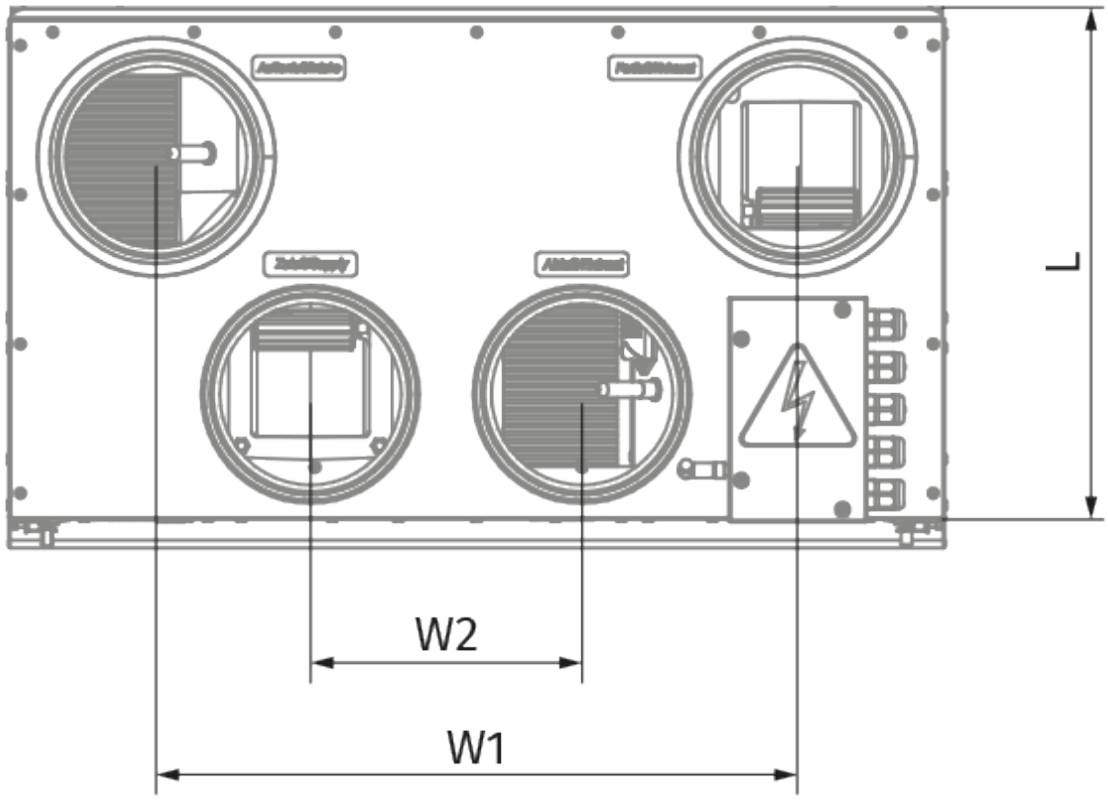
| | Unit of measurement | KOMFORT Roto EC SKS 202 R S21 |
|---|---|---|
| Connected air duct size | mm | 125 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50 |
| Rated power | W | 171 |
| Unit current | A | 1.31 |
| Maximum airflow | m³/h | 270 |
| Sound pressure level LpA at 3 m | dB(A) | 33 |
| Heat recovery efficiency, max | % | 93 |
| Heat exchanger type | - | Rotary |
| Heat exchanger material | - | Aluminum |
| Weight | kg | 52 |
| Supply filter | - | G4 (F7 optional) |
| Extract filter | - | 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 |
| Ingress protection rating | - | IP22 |
| Ambient air humidity max | % | 60 |

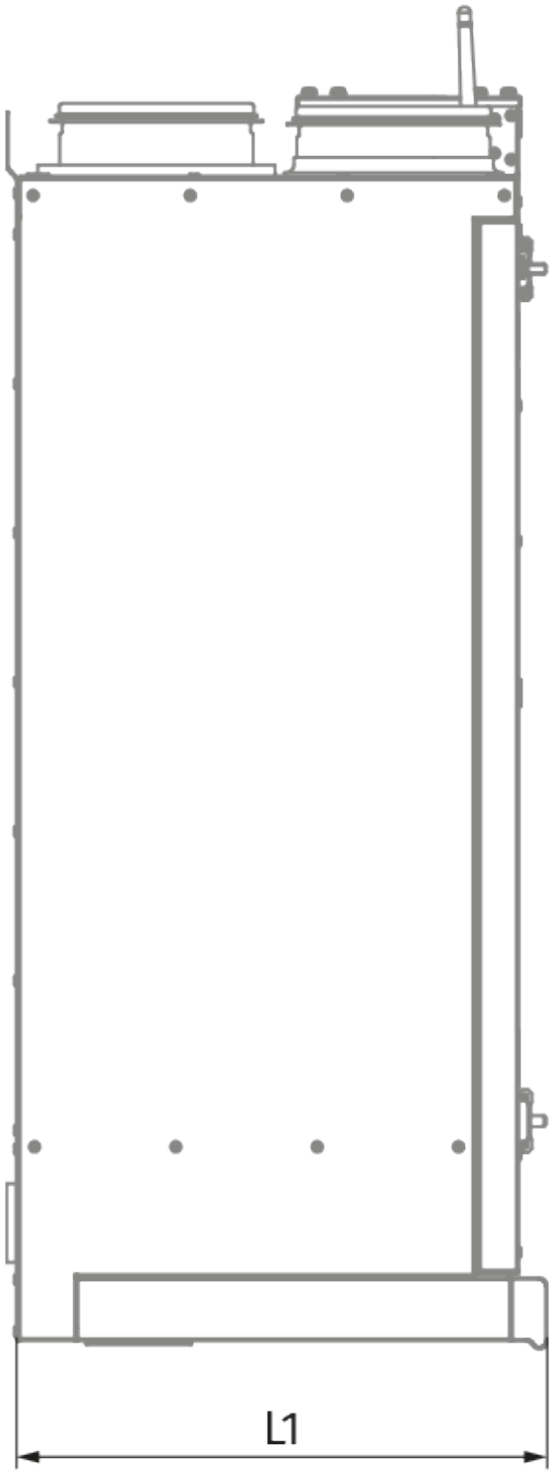
| | | |
|---|---|---|
| Ingress protection rating of the drive | - | IP44 |

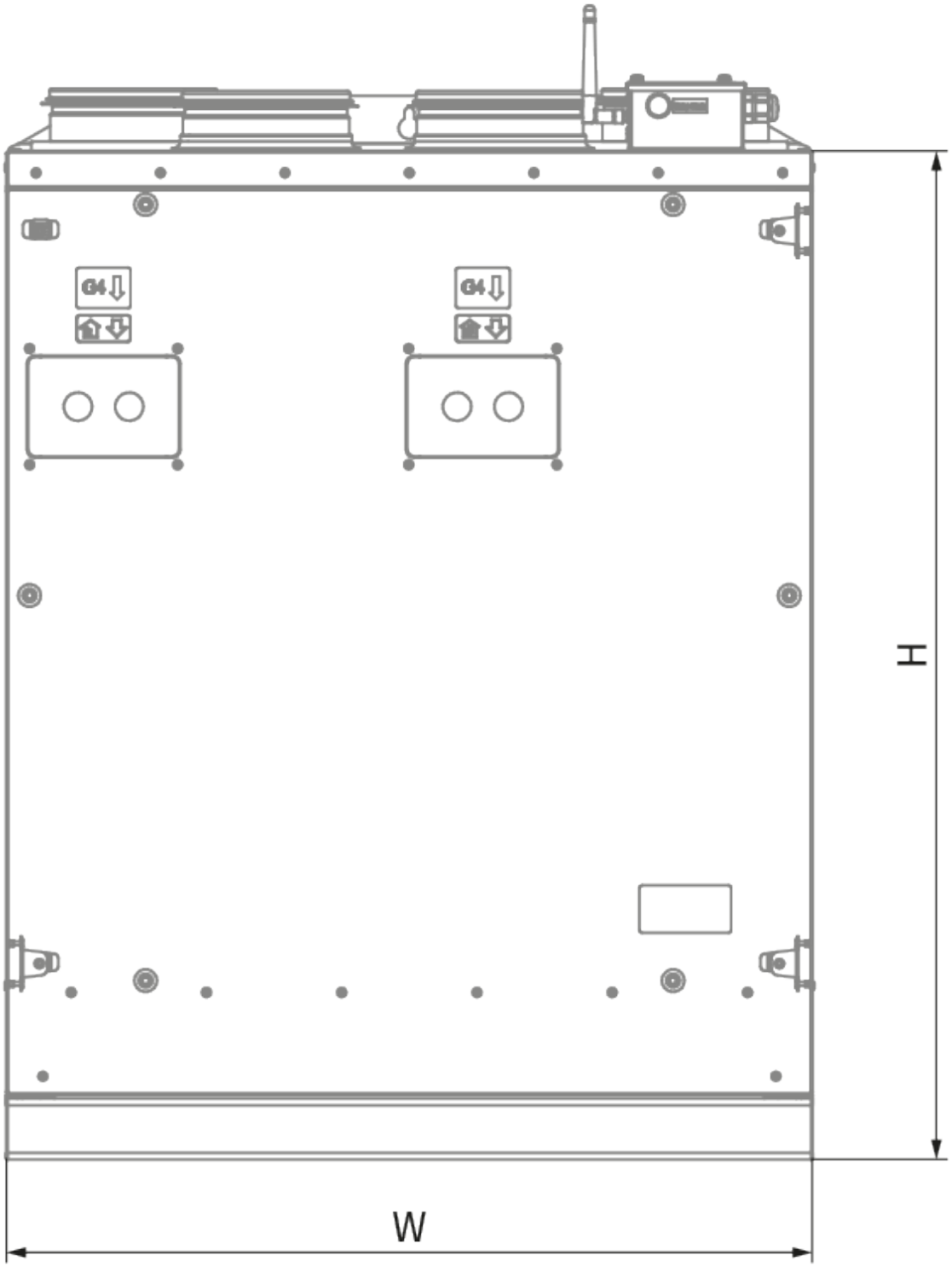



## Dimensions

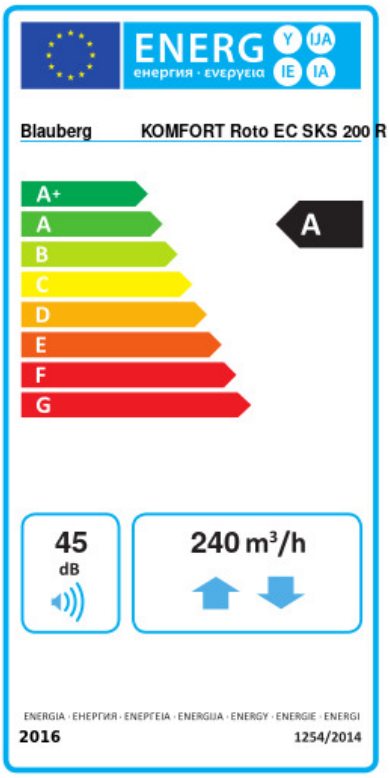
| H | L | L1 | W | W1 | W2 |
|---|---|---|---|---|---|
| 746 | 326 | 338 | 596 | 408 | 173 |


L
W2
W1


L1


G4
G4
H
W

## Ecodesign




| Trademark | Blauberg | | | | | |
|---|---|---|---|---|---|---|
| Model | KOMFORT Roto EC SKS 202 R S21 | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -85.6 | A+ | -41.1 | A | -15.6 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Regenerative | | | | | |
| Thermal efficiency of heat recovery (%) | 88 | | | | | |
| Maximum flow rate (m³/h) | 240 | | | | | |
| Electric power input (W) | 170 | | | | | |
| Reference flow rate (m³/s) | 0.047 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.411 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 3.3 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 45 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 217 | | 869 | | 217 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 9100 | | 4652 | | 2104 | |

## Accessories

### For round ducts

| Name | Photo | Description |
|---|---|---|
| SD 125/600 |  | Silencers for round ducts |
| SD 125/900 |  | Silencers for round ducts |

| | | |
|---|---|---|
| SD 125/1200 |  | Silencers for round ducts |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| VKA 125 |  | Air dampers for round ducts |

### Control Panels

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

### CO2 sensors

| Name | Photo | Description |
|---|---|---|
| CD-1 |  | CO2 sensors |

### Electric actuators

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

### Other accessories

| Name | Photo | Description |
|---|---|---|
| EP-Roto EC SKE 200 Hi-tech |  | Decorative panel |
| FP 261x86x48 ePM1 60% F7 |  | F7 panel filter |

| | | |
|---|---|---|
| FP 261x86x48 Coarse 90% G4 |  | G4 panel filter |