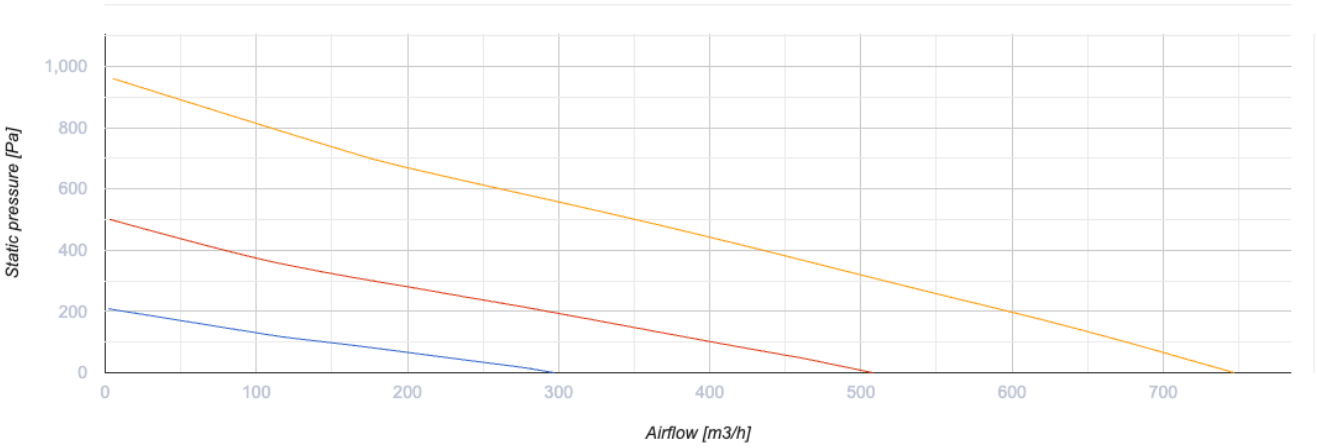


# KOMFORT Roto EC S 601-E L S21

Air handling units with rotary heat exchanger

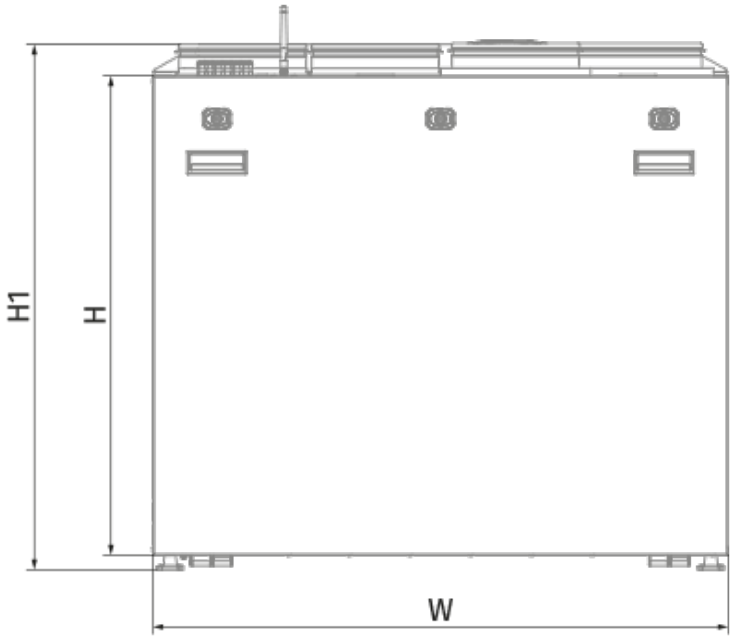
- Heat exchanger type: Sorption rotary
- Sound-insulated casing
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

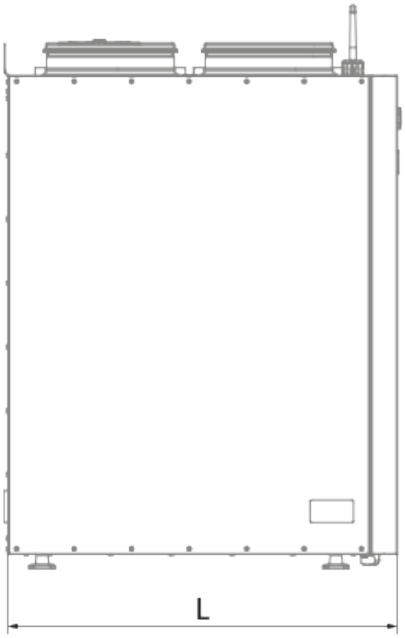
| | Unit of measurement | KOMFORT Roto EC S 601-E L S21 |
|---|---|---|
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Maximum airflow | m³/h | 747 |
| Heat recovery efficiency, max | % | 86 |
| Heat exchanger type | - | Sorption rotary |
| Weight | kg | 90 |
| 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 |

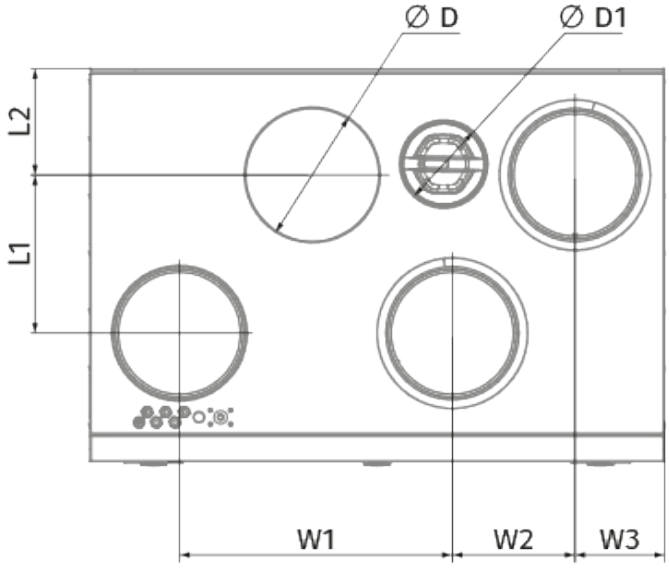



## Dimensions

| H | W | L | H1 | W1 | W2 | W3 | L1 | L2 | D | D1 |
|---|---|---|---|---|---|---|---|---|---|---|
| 750 | 900 | 609 | 828 | 427 | 192 | 140 | 248 | 167 | 200 | 125 |


H1
H
W


L


∅ D
∅ D1
L2
L1
W1
W2
W3

## Ecodesign

| | | | | | | |
|---|---|---|---|---|---|---|
| Trademark | Blauberg | | | | | |
| Model | KOMFORT Roto EC S 601-E L S21 | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -85.8 | A+ | -42.3 | A+ | -17.4 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Regenerative | | | | | |
| Thermal efficiency of heat recovery (%) | 83 | | | | | |
| Maximum flow rate (m³/h) | 675 | | | | | |
| Electric power input (W) | 304 | | | | | |
| Reference flow rate (m³/s) | 0.128 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.24 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Sound power level (dB(A)) | 50 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 127 | | 127 | | 127 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8898 | | 4548 | | 2057 | |

## Accessories

### For round ducts

| Name | Photo | Description |
|---|---|---|
| SD 200/600 |  | Silencers for round ducts |
| SD 200/900 |  | Silencers for round ducts |

| | | |
|---|---|---|
| SD 200/1200 |  | Silencers for round ducts |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| VKA 200 |  | 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-3 |  | Carbon dioxide sensor |

### Humidity sensors

| Name | Photo | Description |
|---|---|---|
| FS2 |  | Humidity sensor |

### Electric actuators

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