

# KOMFORT ERV D 100 R S4

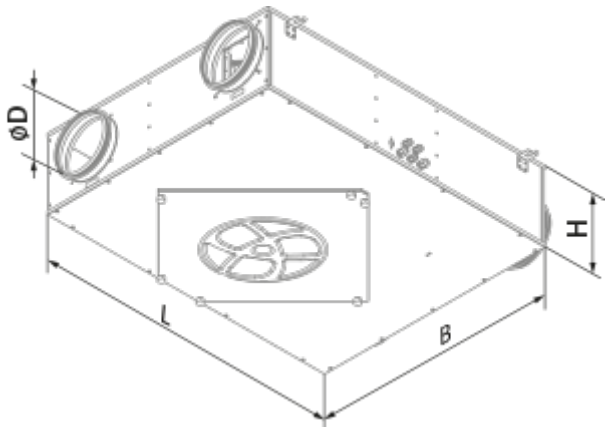
Suspended heat and energy recovery air handling units

- Heat exchanger type: Cross flow
- Heat exchanger material: Enthalpy
- Sound-insulated casing
- Enthalpy heat exchanger
- Control: Speed switch
- Casing material: Coated steel

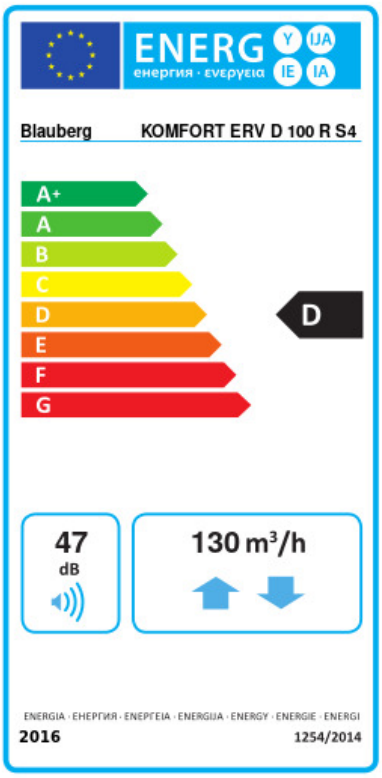
| | Unit of measurement | KOMFORT ERV D 100 R S4 |
|---|---|---|
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50 |
| Maximum airflow | m³/h | 160 |
| Heat recovery efficiency, max | % | 87 |
| Heat exchanger type | - | Cross flow |
| Heat exchanger material | - | Enthalpy |
| Weight | kg | 17 |
| Transported air temperature (max) | °C | 40 |
| Transported air temperature (min) | °C | -5 |
| Ambient air temperature max | °C | 40 |
| Ingress protection rating | - | IP22 |
| Ambient air humidity max | % | 60 |
| Ingress protection rating of the drive | - | IP44 |

## Dimensions

| D | B | H | L |
|---|---|---|---|
| 100 | 481 | 203 | 600 |



## Ecodesign




| Trademark | Blauberg | | | | | |
|---|---|---|---|---|---|---|
| Model | KOMFORT ERV D 100 R S4 | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -57 | A+ | -21.9 | D | 0.8 | G |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 79 | | | | | |
| Maximum flow rate (m³/h) | 130 | | | | | |
| Electric power input (W) | 73 | | | | | |
| Reference flow rate (m³/s) | 0.031 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.636 | | | | | |
| Control typology | Manual control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 47 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 1379 | | 842 | | 797 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8278 | | 4231 | | 1913 | |

## Accessories

### Other accessories

| Name | Photo | Description |
|---|---|---|
| FP 200x191x20 F8 |  | F8 filter |
| FP 200x191x20 G4 |  | G4 panel filter |

| | | |
|---|---|---|
| SB C4 300/220 | | |