



Freshbox 100 ERV

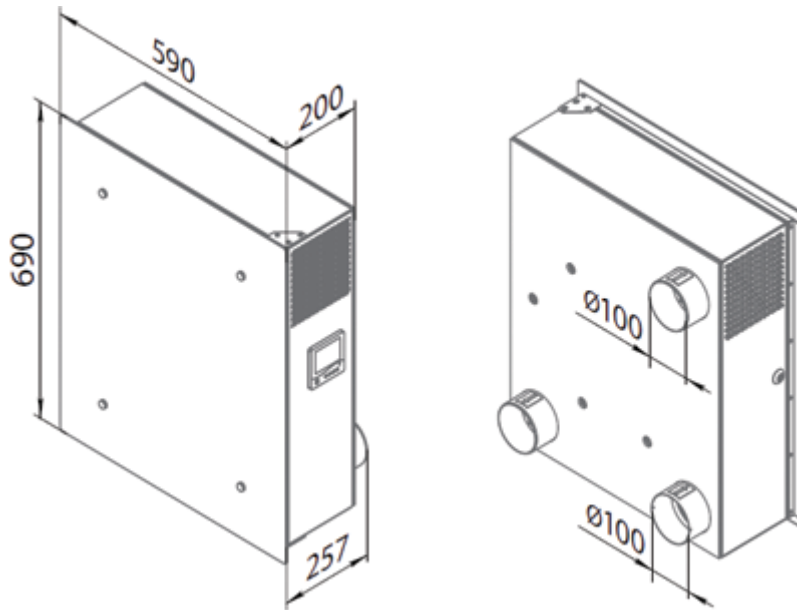
Single-room air handling units

- Maximum airflow: 100
- Sound pressure level LpA at 3 m: 39
- Heat recovery efficiency: 96
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4, F8 (опция: F8 C, H13), G4, F8 (Option: F8 C, H13)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Control: Remote Control
- Casing material: Coated steel
- Temperature sensor: Built-in

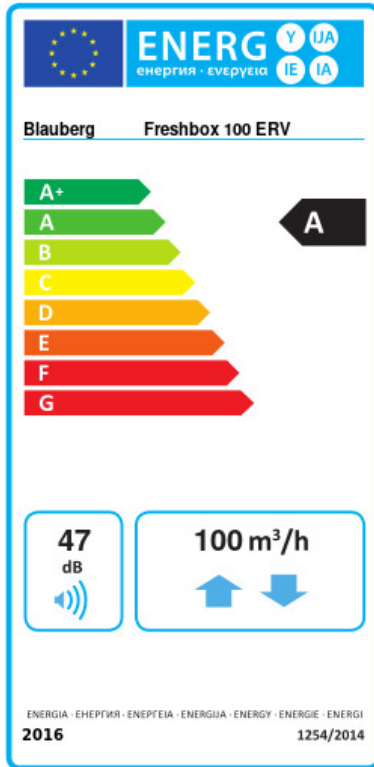
| | Unit of measurement | Freshbox 100 ERV | | |
|-----------------------------------|---------------------|---|----|-----|
| Connected air duct size | mm | 100 | | |
| Speed | - | 3 | | |
| Phases | - | 1 | | |
| Minimum supply voltage | V | 110 | | |
| Maximum supply voltage | V | 240 | | |
| Power supply frequency | Hz | 50/60 | | |
| Rated power | W | 12 | 21 | 45 |
| Unit current | A | 0.4 | | |
| Maximum airflow | m ³ /h | 30 | 60 | 100 |
| rotation speed at 50hz | - | 2200 | | |
| Sound pressure level LpA at 3 m | dB(A) | 13 | 27 | 39 |
| Heat recovery efficiency | % | 96 | 89 | 83 |
| Heat recovery efficiency, max | % | 96 | | |
| Heat exchanger type | - | Counter flow | | |
| Heat exchanger material | - | Enthalpy | | |
| Weight | kg | 31 | | |
| Extract filter | - | G4 | | |
| Supply filter | - | G4, F8 (опция: F8 C, H13), G4, F8 (Option: F8 C, H13) | | |
| Transported air temperature (max) | °C | 40 | | |
| Transported air temperature (min) | °C | -20 | | |
| Ambient air temperature min | °C | 1 | | |

| | | |
|--|----|------|
| Ambient air temperature max | °C | 40 |
| Ambient air humidity max | % | 70 |
| Ingress protection rating | - | IP22 |
| Ingress protection rating of the drive | - | IP44 |

Dimensions



Ecodesign





| | | | | | | |
|---|----------------------|----|---------|---|-------|---|
| Trademark | Blaubeerg | | | | | |
| Model | Freshbox 100 ERV | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | -78.7 | A+ | -40.3 | A | -15.6 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 86 | | | | | |
| Maximum flow rate (m ³ /h) | 100 | | | | | |
| Electric power input (W) | 45 | | | | | |
| Reference flow rate (m ³ /s) | 0.017 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.35 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 0.1 | | | | | |
| Maximum external leakage rates (%) | 0.9 | | | | | |
| Mixing rate (%) | 1 | | | | | |
| Airflow sensitivity at +20 Pa and -20 Pa (%) | 0.93 | | | | | |
| The indoor/outdoor air tightness (m ³ /h) | 7 | | | | | |
| Sound power level (dB(A)) | 47 | | | | | |
| Declared typology | RVU BVU | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 786 | | 249 | | 204 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8963 | | 4581 | | 2072 | |

Accessories

Other accessories

| Name | Photo | Description |
|-----------------|-------|-----------------|
| EH Freshbox 100 | | Electric heater |

CO2 sensors

| Name | Photo | Description |
|----------------------|---|-------------|
| CD-1 |  | CO2 sensors |
| CD-2 |  | CO2 sensors |