



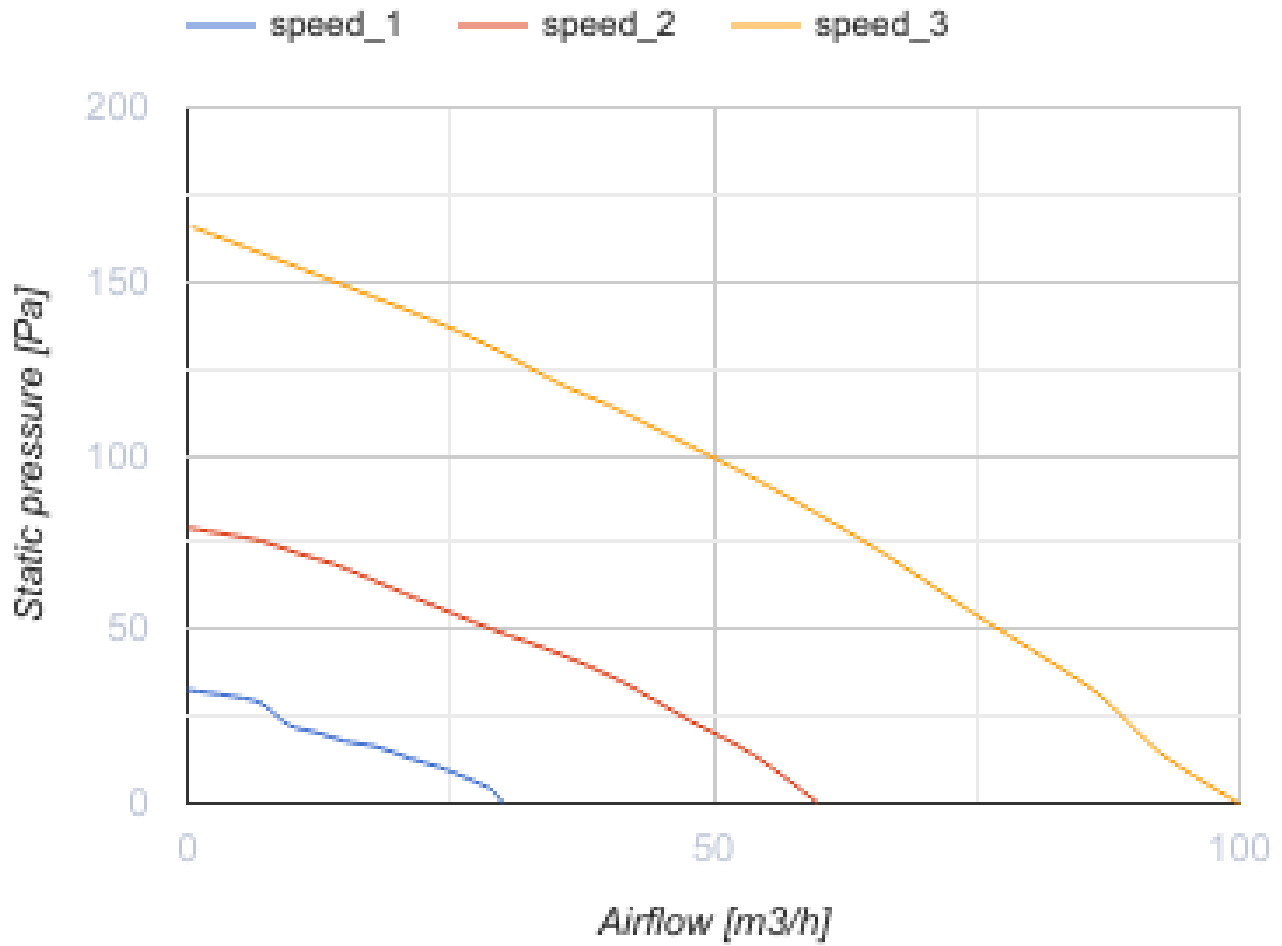
# Freshbox 110 ERV

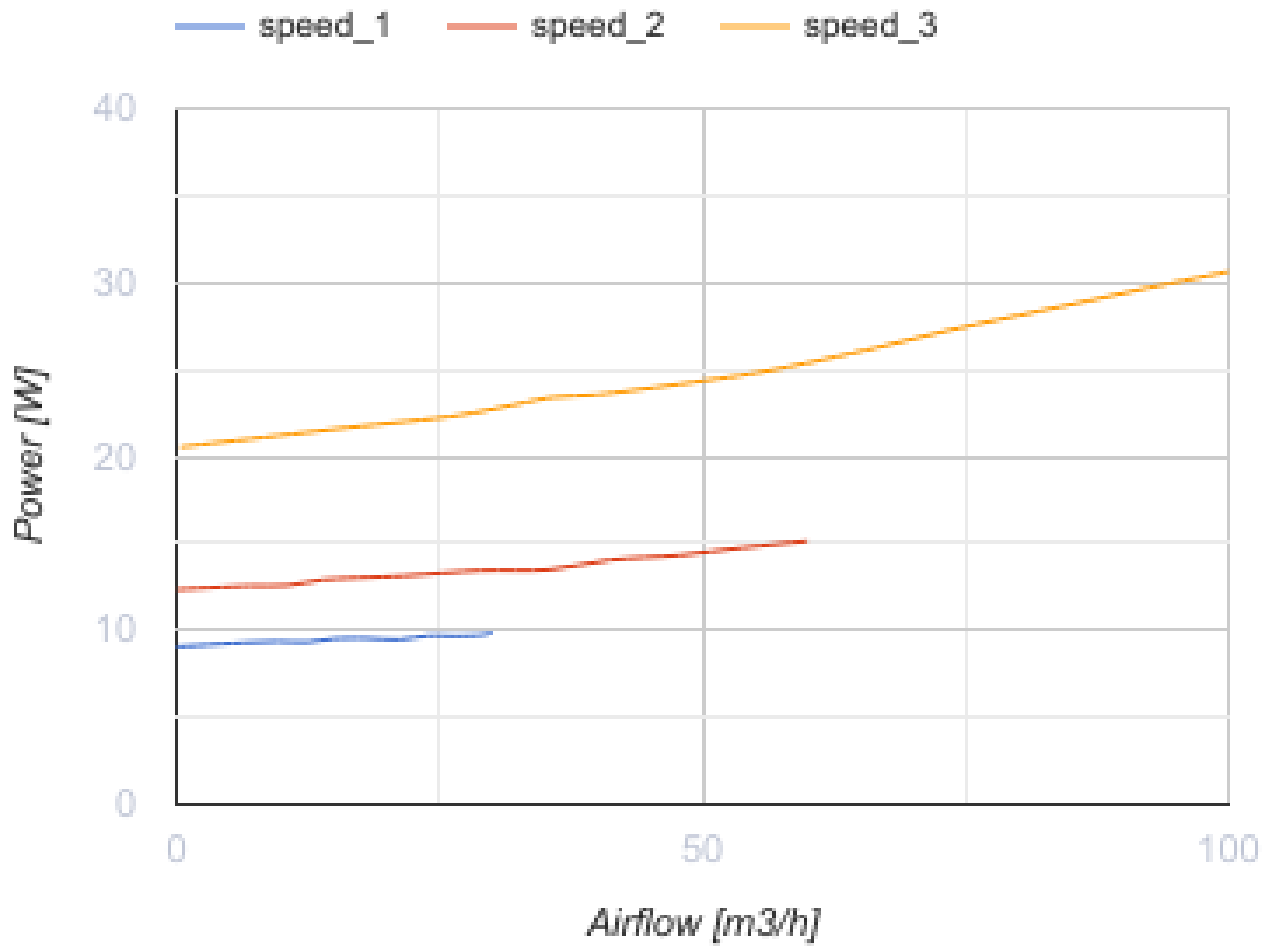
Decentralized supply and exhaust unit with heat recovery

- Maximum airflow: 100
- Sound pressure level LpA at 3 m: 31
- Sound pressure level LpA at 1 m: 40
- Heat recovery efficiency: 93
- Heat exchanger type: Counter flow
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Control: Remote Control
- Casing material: Galvanized steel
- Humidity sensor: Built-in
- Temperature sensor: Built-in

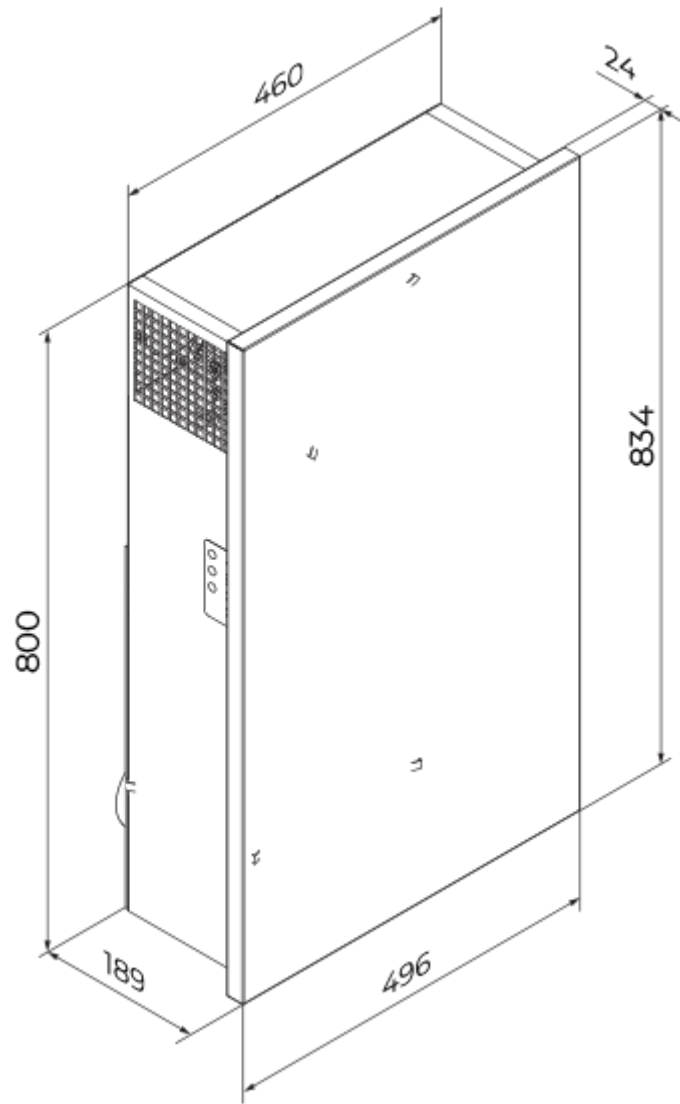
|                                   | Unit of measurement | Freshbox 110 ERV |    |     |
|-----------------------------------|---------------------|------------------|----|-----|
| Connected air duct size           | mm                  | 100              |    |     |
| Speed                             | -                   | 3                |    |     |
| Minimum supply voltage            | V                   | 230              |    |     |
| Maximum supply voltage            | V                   | 230              |    |     |
| Power supply frequency            | Hz                  | 50/60            |    |     |
| Rated power                       | W                   | 10               | 15 | 31  |
| Unit current                      | A                   | 0.26             |    |     |
| Maximum airflow                   | m <sup>3</sup> /h   | 30               | 60 | 100 |
| Sound pressure level LpA at 3 m   | dB(A)               | 10               | 21 | 31  |
| Sound pressure level LpA at 1 m   | dB(A)               | 20               | 30 | 40  |
| Heat recovery efficiency          | %                   | 93               | 87 | 84  |
| Heat exchanger type               | -                   | Counter flow     |    |     |
| Heat exchanger material           | -                   | Polystyrene      |    |     |
| Weight                            | kg                  | 20               |    |     |
| Transported air temperature (max) | °C                  | 40               |    |     |
| Transported air temperature (min) | °C                  | -15              |    |     |
| 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 |
|--|---|------|

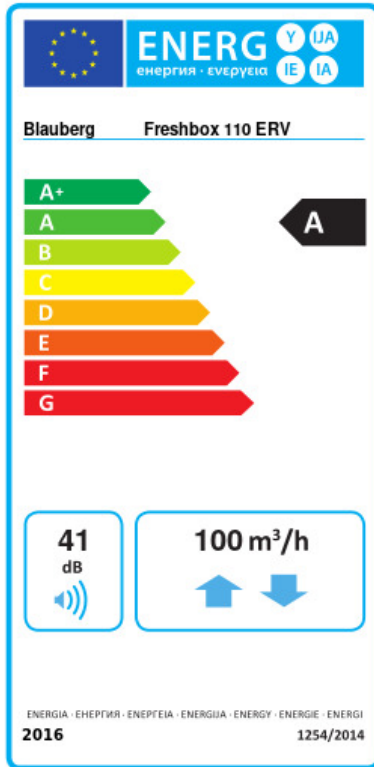




## Dimensions



## Ecodesign




|   |                      |    |         |   |       |   |
|---|----------------------|----|---------|---|-------|---|
| Trademark   | Blaubeerg            |    |         |   |       |   |
| Model   | Freshbox 110 ERV     |    |         |   |       |   |
| Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a)) | Cold                 |    | Average |   | Warm  |   |
|   | -76.6                | A+ | -39.5   | A | -15.6 | E |
| Type of ventilation unit                                    | Bidirectional        |    |         |   |       |   |
| Type of drive installed                                     | 3-speed              |    |         |   |       |   |
| Type of heat recovery system                                | Recuperative         |    |         |   |       |   |
| Thermal efficiency of heat recovery (%)                     | 80                   |    |         |   |       |   |
| Maximum flow rate (m <sup>3</sup> /h)                       | 100                  |    |         |   |       |   |
| Electric power input (W)                                    | 30.6                 |    |         |   |       |   |
| Reference flow rate (m <sup>3</sup> /s)                     | 0.017                |    |         |   |       |   |
| Specific power input (SPI) (W/(m <sup>3</sup> /h))          | 0.252                |    |         |   |       |   |
| Control typology  | Local demand control |    |         |   |       |   |
| Maximum internal leakage rates (%)                          | 1.7                  |    |         |   |       |   |
| Maximum external leakage rates (%)                          | 4.7                  |    |         |   |       |   |
| Airflow sensitivity at +20 Pa and -20 Pa (%)                | 0                    |    |         |   |       |   |
| Sound power level (dB(A))                                   | 41                   |    |         |   |       |   |
| Declared typology   | RVU BVU              |    |         |   |       |   |
| The annual electricity consumption (AEC) (kWh/a)            | Cold                 |    | Average |   | Warm  |   |
|   | 764                  |    | 227     |   | 182   |   |
| The annual heating saved (AHS) (kWh/a)                      | Cold                 |    | Average |   | Warm  |   |
|   | 8695                 |    | 4445    |   | 2010  |   |

## Accessories

### CO2 sensors

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

[CD-3](#)**Other accessories**

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