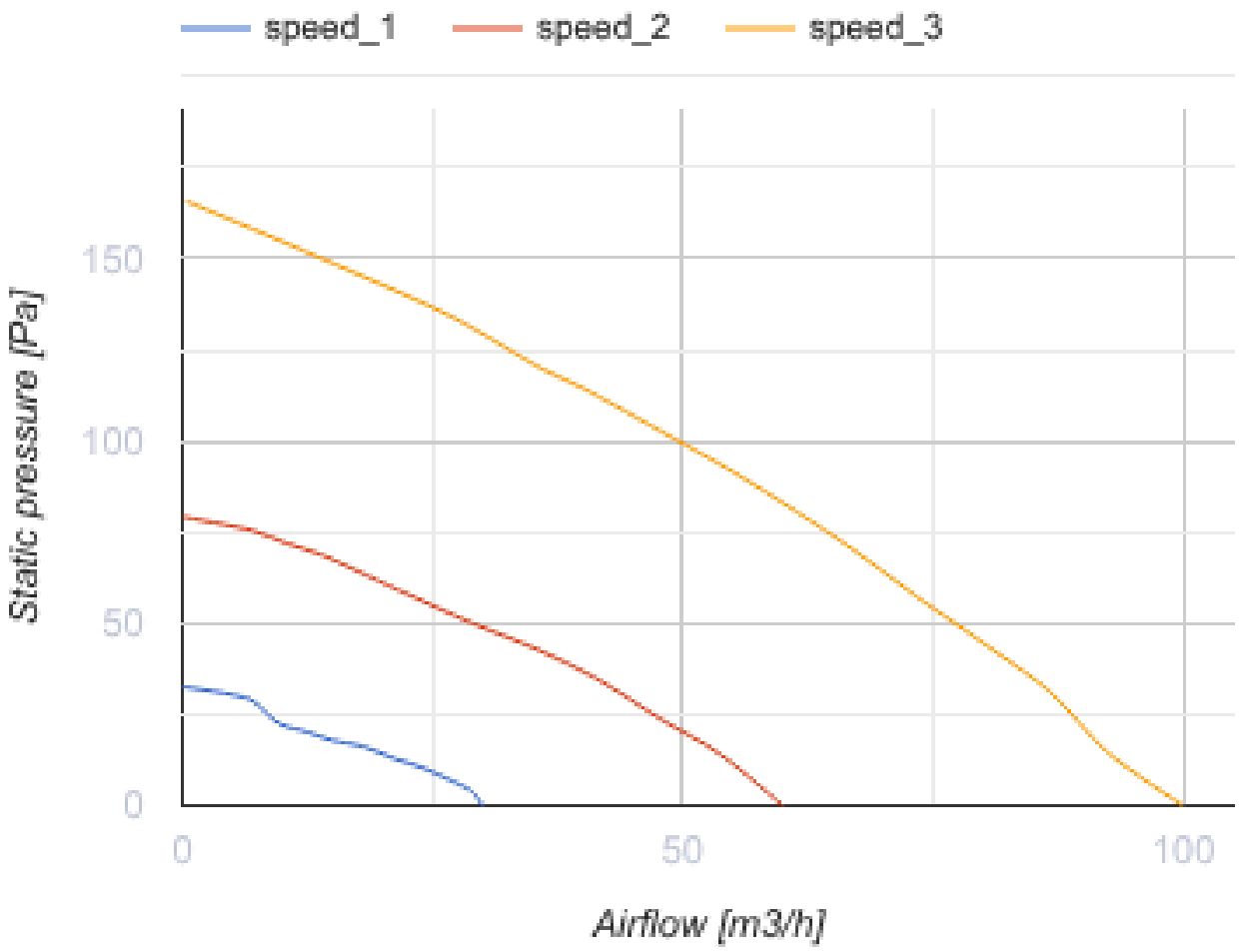
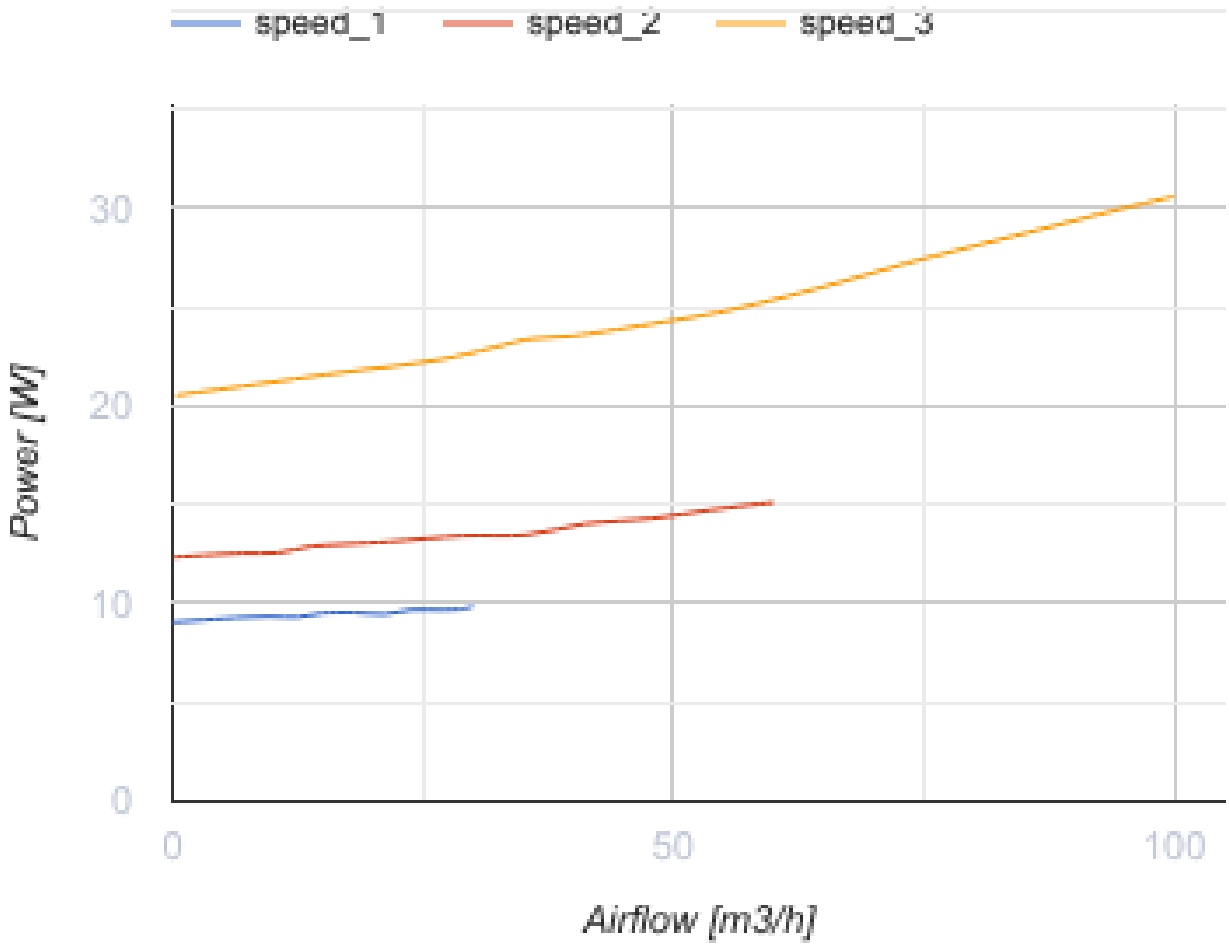
# Freshbox 110 K1 WiFi

- Sound pressure level LpA at 3 m: 31
- Sound pressure level LpA at 1 m: 40
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Sound-insulated casing
- Enthalpy heat exchanger
- Bypass: Auto
- Control: Built-in control panel
- Casing material: Galvanized steel
- Humidity sensor: Built-in
- Temperature sensor: Built-in

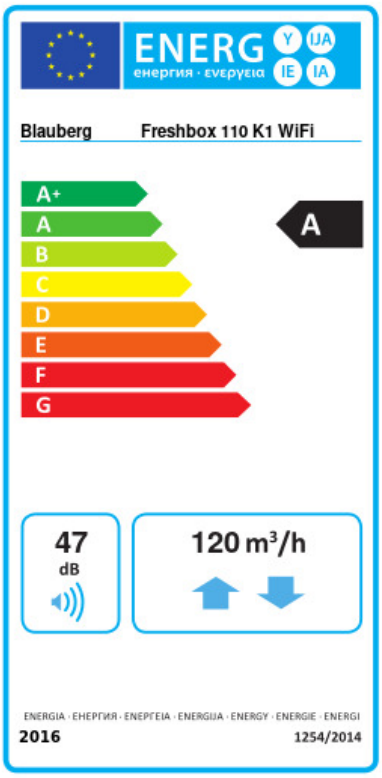
| | Unit of measurement | Freshbox 110 K1 WiFi | | |
|---|---|---|---|---|
| Connected air duct size | mm | 100 | | |
| Phases | - | 1 | | |
| Maximum supply voltage | V | 230 | | |
| Minimum supply voltage | V | 230 | | |
| Power supply frequency | Hz | 50/60 | | |
| Rated power | W | 10 | 15 | 31 |
| Unit current | A | 0.26 | | |
| Maximum airflow | m³/h | 30 | 60 | 100 |
| Rotation speed at 50hz | - | 3200 | | |
| 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 | | |
| Ingress protection rating | - | IP20 | | |
| Ambient air humidity max | % | 60 | | |
| Ingress protection rating of the drive | - | IP44 | | |


speed_1
speed_2
speed_3
Static pressure [Pa]
150
100
50
0
0
50
100
Airflow [m3/h]




## Dimensions

## Ecodesign




| Trademark | Blauberg | | | | | |
|---|---|---|---|---|---|---|
| Model | Freshbox 110 K1 WiFi | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -78.9 | A+ | -40.9 | A | -16.5 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 84 | | | | | |
| Maximum flow rate (m³/h) | 120 | | | | | |
| Electric power input (W) | 46.9 | | | | | |
| Reference flow rate (m³/s) | 0.023 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.274 | | | | | |
| 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 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 47 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 741 | | 204 | | 159 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8873 | | 4536 | | 2051 | |