

Micra 110 ERV

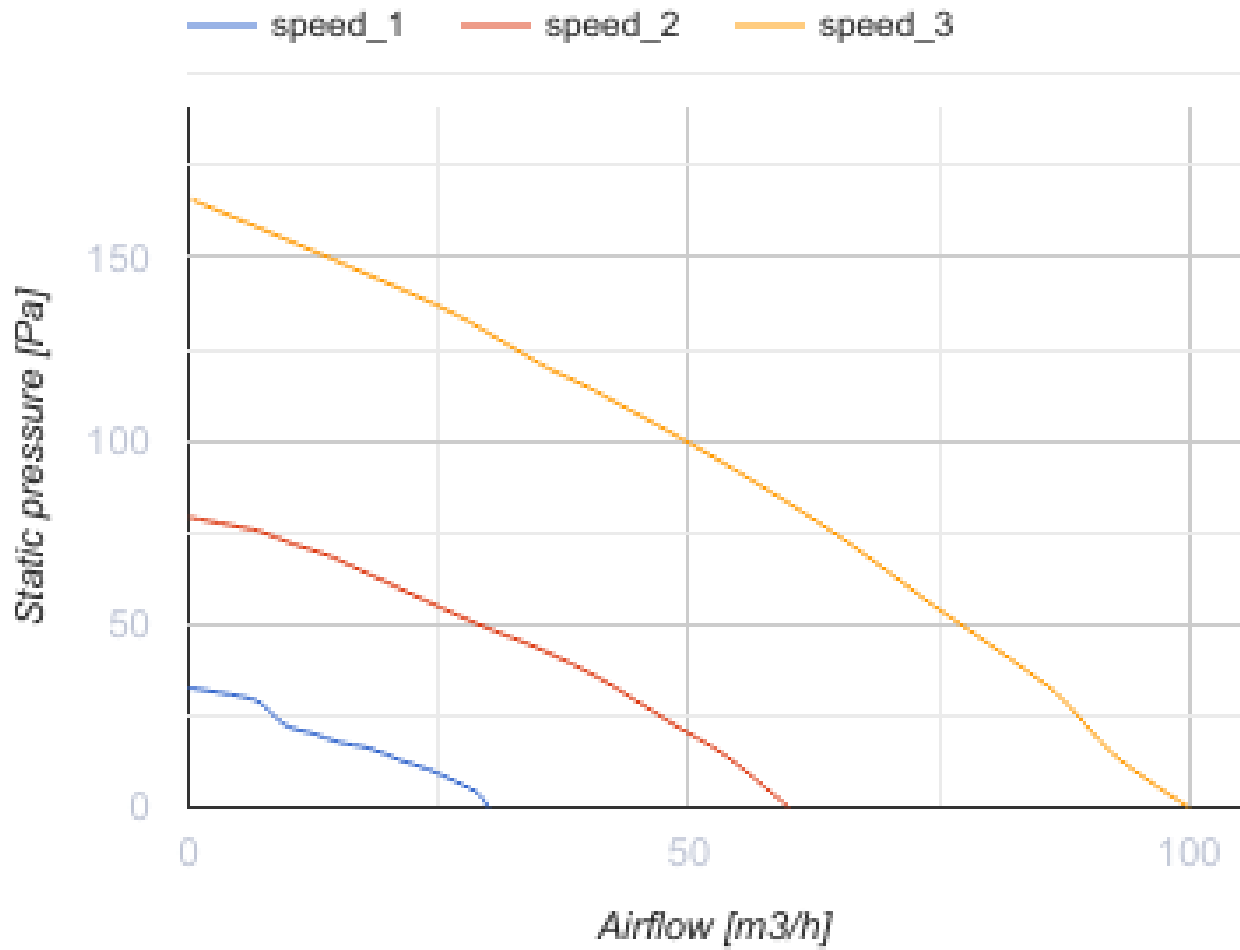


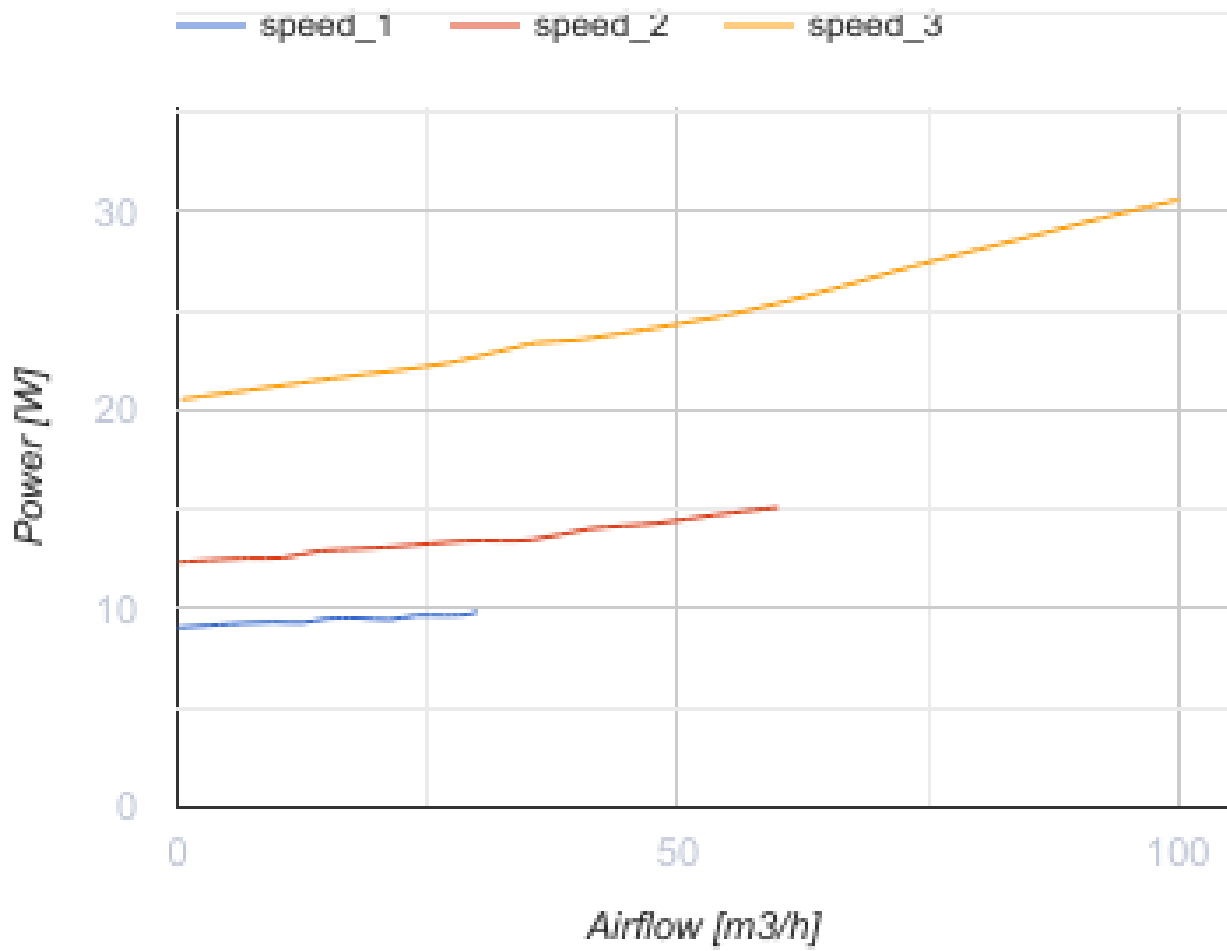
Wall or flush-mounted AHU with an air flow of up to 100 m³/h

- 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
- Extract filter: G4
- Supply filter: G4 option: F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Control: Built-in control panel
- Casing material: Galvanized steel
- Humidity sensor: Built-in
- Temperature sensor: Built-in

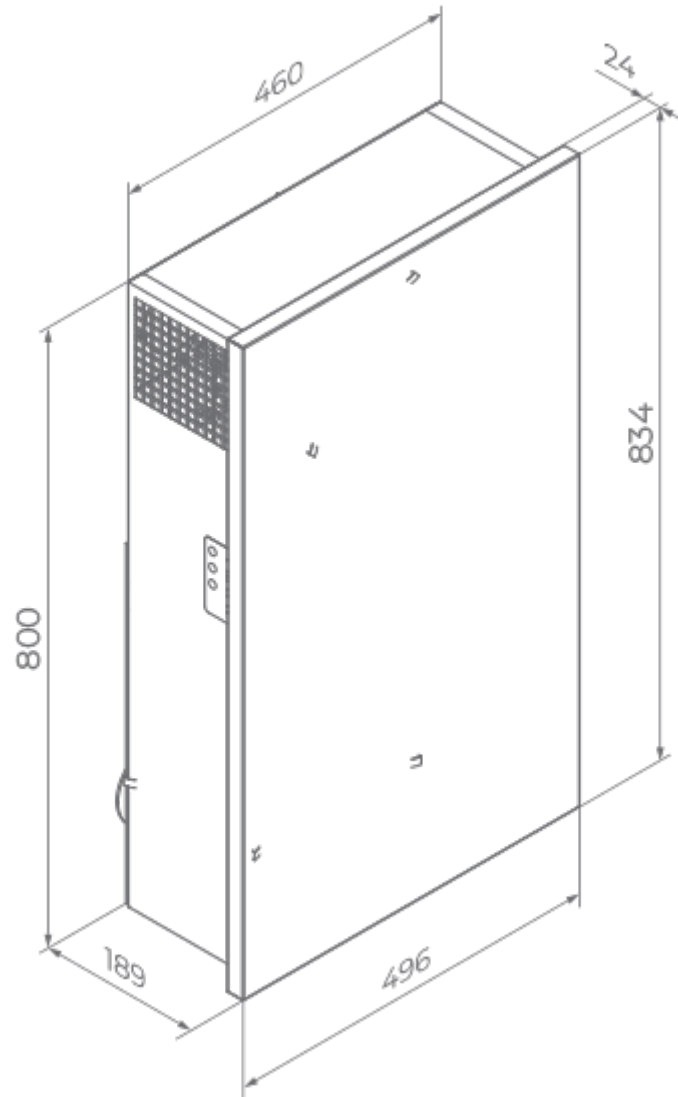
| | Unit of measurement | Micra 110 ERV | | |
|-----------------------------------|---------------------|---------------|----|-----|
| Connected air duct size | mm | 100 | | |
| Speed | - | 3 | | |
| Minimum supply voltage | V | 230 | | |
| Maximum supply voltage | V | 230 | | |
| Power supply frequency | Hz | 50/60 | | |
| Rated power | W | 10 | 15 | 31 |
| Unit current | A | 0.26 | | |
| Maximum airflow | m ³ /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 | | |
| Extract filter | - | G4 | | |
| Supply filter | - | G4 option: F7 | | |
| 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







Accessories

Other accessories

| Name | Photo | Description |
|------------------|---|--|
| SF 176x160x22 G4 |  | Panel filter G4 |
| SF 203x150x22 G4 |  | Panel filter G4 |
| SF 203x150x22 F7 |  | F7 panel filter |
| MK Micra 110 |  | Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template |

| | | |
|----------------------|---|---|
| MK Micra 110 chrome |  | Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template |
| MK Micra 110 white |  | Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template |
| MK1 Micra 110 |  | Mounting kit for corner mounting of the grille in the window opening |
| MK1 Micra 110 chrome |  | Mounting kit for corner mounting of the grille in the window opening |
| MK1 Micra 110 white |  | Mounting kit for corner mounting of the grille in the window opening |
| NB Micra 110 |  | Outdoor box |
| NB Micra 110 chrome |  | Outdoor box |
| NB Micra 110 white |  | Outdoor box |
| NE Micra 100 |  | Heater to prevent condensate freezing in the drain pipe and the outdoor box |

Sensors

| Name | Photo | Description |
|-----------------------|---|-------------------------------|
| CO2-1 |  | CO2 sensors |
| CO2-2 |  | CO2 sensors |
| CO2-3 |  | CO2 sensor |
| HR-S |  | Electro-mechanical humidistat |

System 75

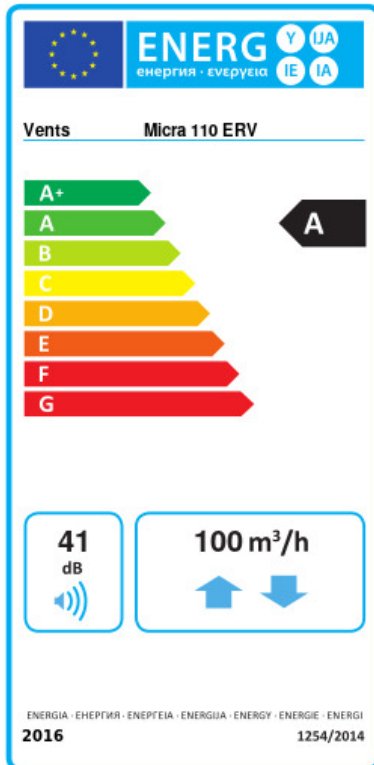
| Name | Photo | Description |
|------|-------|-------------|
|------|-------|-------------|

[FlexiVent 0275](#)



For connection of the air ducts to the connectors and air distribution boxes

Ecodesign



| | | | | | | |
|--|----------------------|----|---------|---|-------|---|
| Trademark | Vents | | | | | |
| Model | Micra 110 ERV | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/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 (m³/h) | 100 | | | | | |
| Electric power input (W) | 30.6 | | | | | |
| Reference flow rate (m³/s) | 0.017 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.252 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 1.7 | | | | | |
| Maximum external leakage rates (%) | 4.7 | | | | | |
| Mixing rate (%) | 1 | | | | | |
| Airflow sensitivity at +20 Pa and -20 Pa (%) | 0 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 41 | | | | | |
| 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 | |