

# Micra 200 E2 ERV WiFi

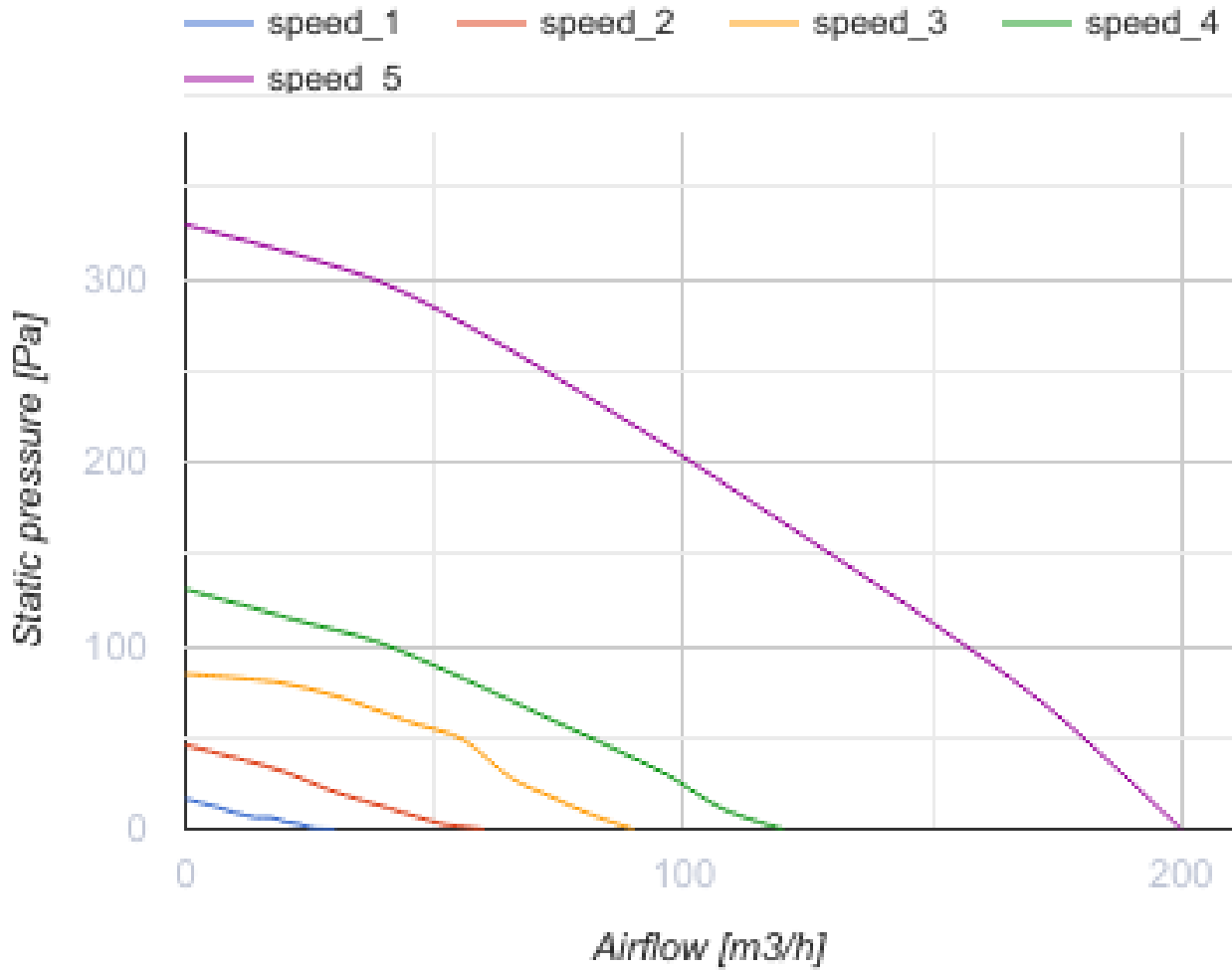


MICRA 200 ERV WiFi is a single-room energy-efficient air handling unit intended for decentralised ventilation of residential and commercial spaces as well as apartments and houses

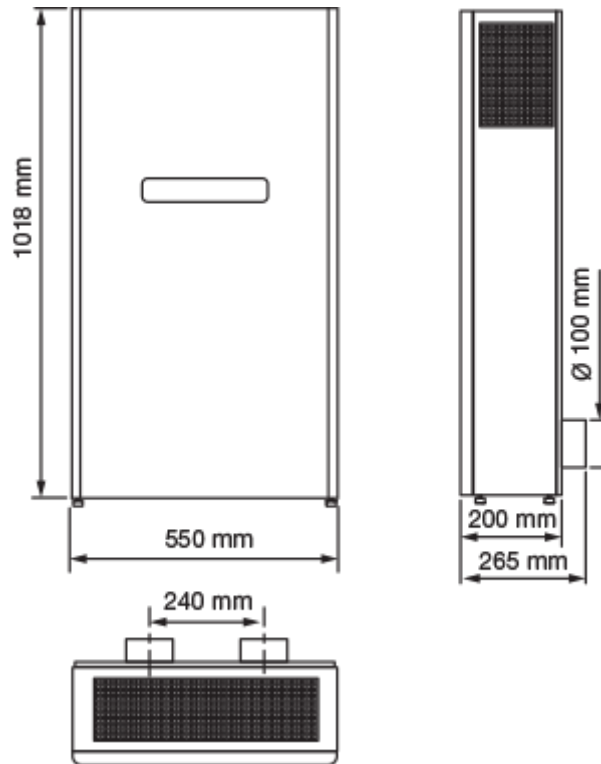
- Power of electrical preheater: 650
- Power of electrical reheater: 700
- Maximum airflow: 200
- Sound pressure level LpA at 3 m: 45
- Heat recovery efficiency: 85
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7 (H13 option)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Electric
- Preheater: Electric
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- Temperature sensor: Built-in

|                                   | Unit of measurement | Micra 200 E2 ERV WiFi |    |    |     |     |
|-----------------------------------|---------------------|-----------------------|----|----|-----|-----|
| Connected air duct size           | mm                  | 100                   |    |    |     |     |
| Speed                             | -                   | 5                     |    |    |     |     |
| Minimum supply voltage            | V                   | 230                   |    |    |     |     |
| Maximum supply voltage            | V                   | 230                   |    |    |     |     |
| Power supply frequency            | Hz                  | 50/60                 |    |    |     |     |
| Rated power                       | W                   | 10                    | 15 | 25 | 44  | 134 |
| Power of electrical preheater     | W                   | 650                   |    |    |     |     |
| Power of electrical reheater      | W                   | 700                   |    |    |     |     |
| Unit current                      | A                   | 7.2                   |    |    |     |     |
| Maximum airflow                   | m <sup>3</sup> /h   | 30                    | 60 | 90 | 120 | 200 |
| Sound pressure level LpA at 3 m   | dB(A)               | 12                    | 22 | 30 | 36  | 45  |
| Heat recovery efficiency          | %                   | 85                    | 81 | 75 | 68  | 66  |
| Heat exchanger type               | -                   | Counter flow          |    |    |     |     |
| Heat exchanger material           | -                   | Enthalpy              |    |    |     |     |
| Weight                            | kg                  | 55                    |    |    |     |     |
| Extract filter                    | -                   | G4                    |    |    |     |     |
| Supply filter                     | -                   | G4 + F7 (H13 option)  |    |    |     |     |
| 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              | -  | IP22 |
| Ingress protection rating of the drive | -  | IP44 |










## Dimensions





## Accessories

### Other accessories

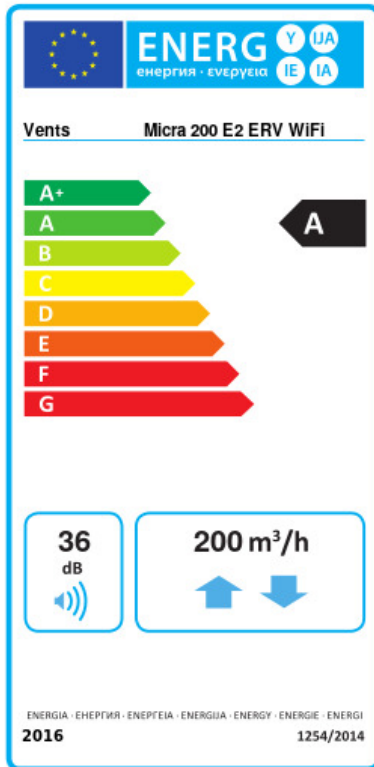
| Name                | Photo   | Description  |
|---------------------|---|--|
| NB Micra 200 chrome |  | Outdoor box  |
| NB Micra 200 white  |  | Outdoor box  |
| SF 201x162x20 G4    |  | Panel filter G4  |
| SF 243x162x20 G4    |  | Panel filter G4  |
| SF 502x162x40 F7    |  | F7 panel filter  |
| MK Micra 200 chrome |  | Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template |
| MK Micra 200 white  |  | Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template |

|                   |   |                 |
|-------------------|---|-----------------|
| SF 502x162x40 H13 |  | H13 HEPA filter |
|-------------------|---|-----------------|

### Sensors

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

## Ecodesign



|   |                       |    |         |   |       |   |
|---|-----------------------|----|---------|---|-------|---|
| Trademark   | Vents                 |    |         |   |       |   |
| Model   | Micra 200 E2 ERV WiFi |    |         |   |       |   |
| Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a)) | Cold                  |    | Average |   | Warm  |   |
|   | -69.7                 | A+ | -35.2   | A | -12.8 | E |
| Type of ventilation unit                                    | Bidirectional         |    |         |   |       |   |
| Type of drive installed                                     | Variable speed        |    |         |   |       |   |
| Type of heat recovery system                                | Recuperative          |    |         |   |       |   |
| Thermal efficiency of heat recovery (%)                     | 68                    |    |         |   |       |   |
| Maximum flow rate (m <sup>3</sup> /h)                       | 200                   |    |         |   |       |   |
| Electric power input (W)                                    | 134                   |    |         |   |       |   |
| Reference flow rate (m <sup>3</sup> /s)                     | 0.039                 |    |         |   |       |   |
| Specific power input (SPI) (W/(m <sup>3</sup> /h))          | 0.415                 |    |         |   |       |   |
| Control typology  | Local demand control  |    |         |   |       |   |
| Maximum internal leakage rates (%)                          | 0.1                   |    |         |   |       |   |
| Maximum external leakage rates (%)                          | 0.9                   |    |         |   |       |   |
| Mixing rate (%)   | 20                    |    |         |   |       |   |
| Airflow sensitivity at +20 Pa and -20 Pa (%)                | 0.93                  |    |         |   |       |   |
| The indoor/outdoor air tightness (m <sup>3</sup> /h)        | 7                     |    |         |   |       |   |
| Declared typology   | RVU BVU               |    |         |   |       |   |
| Sound power level (dB(A))                                   | 36                    |    |         |   |       |   |
| The annual electricity consumption (AEC) (kWh/a)            | Cold                  |    | Average |   | Warm  |   |
|   | 824                   |    | 287     |   | 242   |   |
| The annual heating saved (AHS) (kWh/a)                      | Cold                  |    | Average |   | Warm  |   |
|   | 8161                  |    | 4172    |   | 1886  |   |