

Micra 200 E1 ERV WiFi



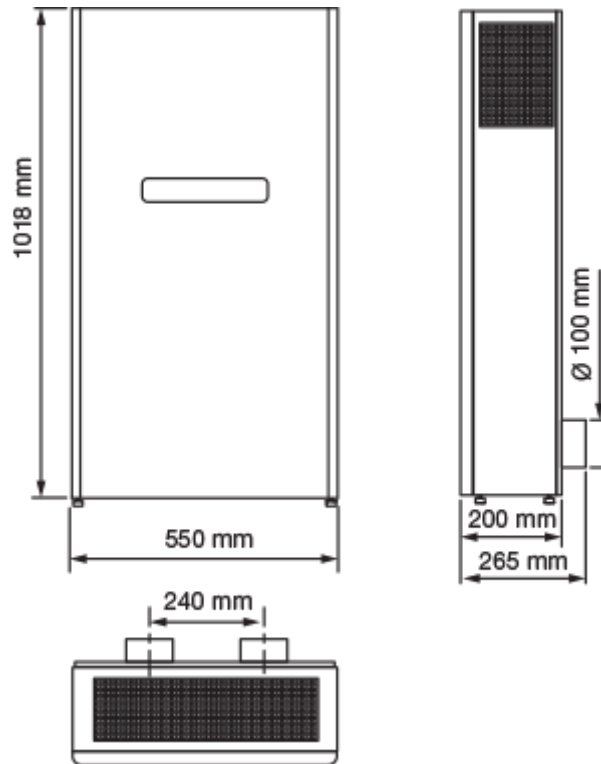
MICRA 200 ERV WiFi is a single-room energy-efficient air handling unit intended for decentralised ventilation of residential and commercial spaces as well as apartments and houses

- Power of electrical 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
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- Temperature sensor: Built-in

| | Unit of measurement | Micra 200 E1 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 reheater | W | 700 | | | | |
| Unit current | A | 4.2 | | | | |
| Maximum airflow | m ³ /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 |
| ErP compliance | - | 2016, 2018 |
| Cold - Specific energy consumption (SEC) | kWh/(m ² /a) | 69.7 |
| SEC Class Cold | - | A+ |
| Average - Specific energy consumption (SEC) | kWh/(m ² /a) | 35.2 |
| SEC Class Average | - | A |
| Warm - Specific energy consumption (SEC) | kWh/(m ² /a) | 12.8 |
| SEC Class Warm | - | E |
| Unit category | - | RVU |
| 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 ³ /h | 200 |
| Electric power input | W | 134 |
| Reference flow rate | m ³ /s | 0.039 |
| Specific power input (SPI) | W/(m ³ /h) | 0.415 |
| 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 |
| Cold - The annual electricity consumption (AEC) | kWh/a | 824 |
| Average - The annual electricity consumption (AEC) | kWh/a | 287 |
| Warm - Jährlicher Stromverbrauch (JSV) | kWh/a | 242 |
| Cold - The annual heating saved (AHS) | kWh/a | 8161 |
| The annual heating saved (AHS) Average | kWh/a | 4172 |
| The annual heating saved (AHS) Warm | kWh/a | 1886 |
| Declared typology | - | RVU BVU |
| Sound power level | dB(A) | 36 |


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 |
|-----------------------|---|-------------|
| CO2-1 |  | CO2 sensors |
| CO2-2 |  | CO2 sensors |