

Micra 100

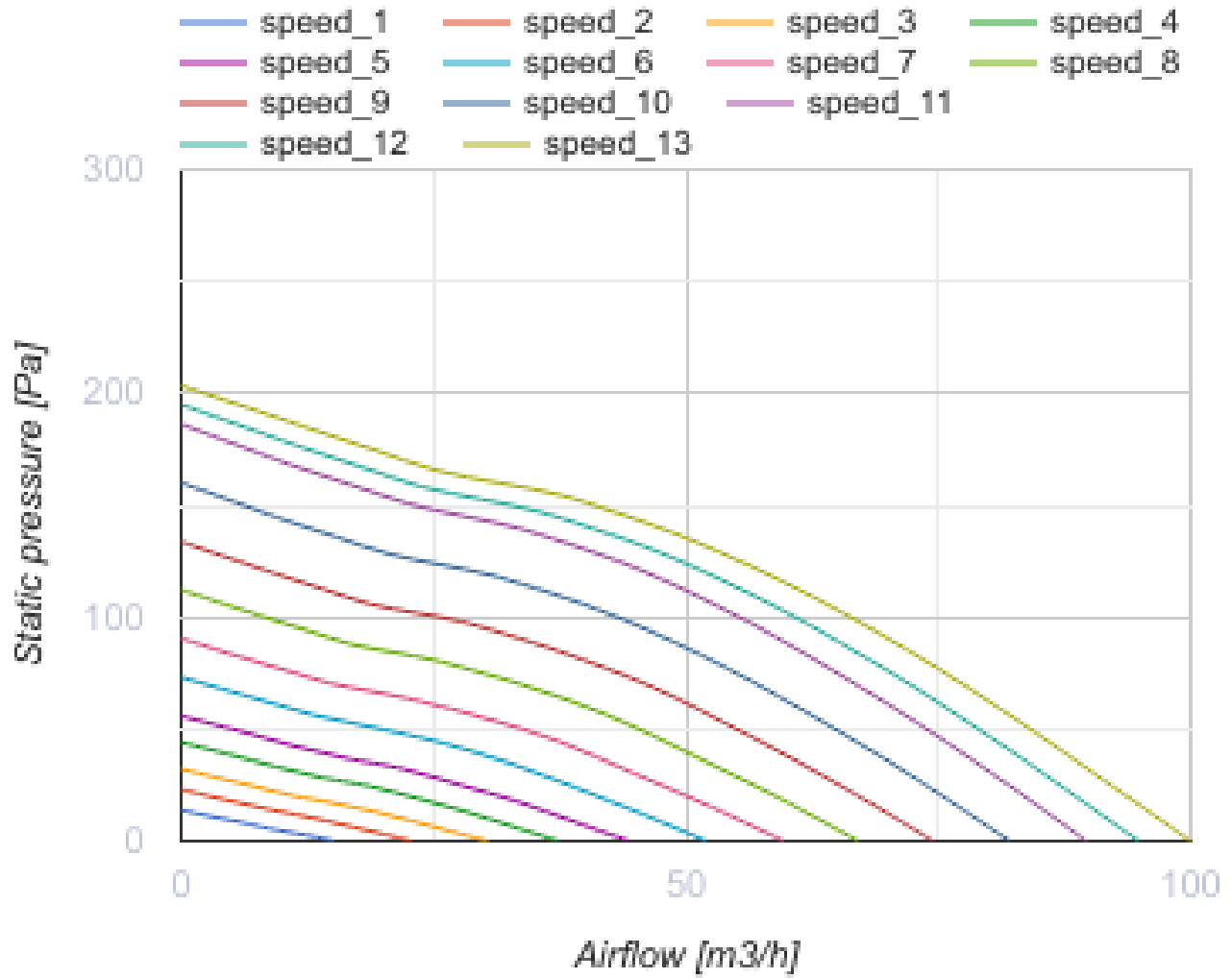


MICRA 100 is a single-room energy-efficient air handling unit intended for decentralised ventilation of residential and commercial spaces as well as apartments and houses

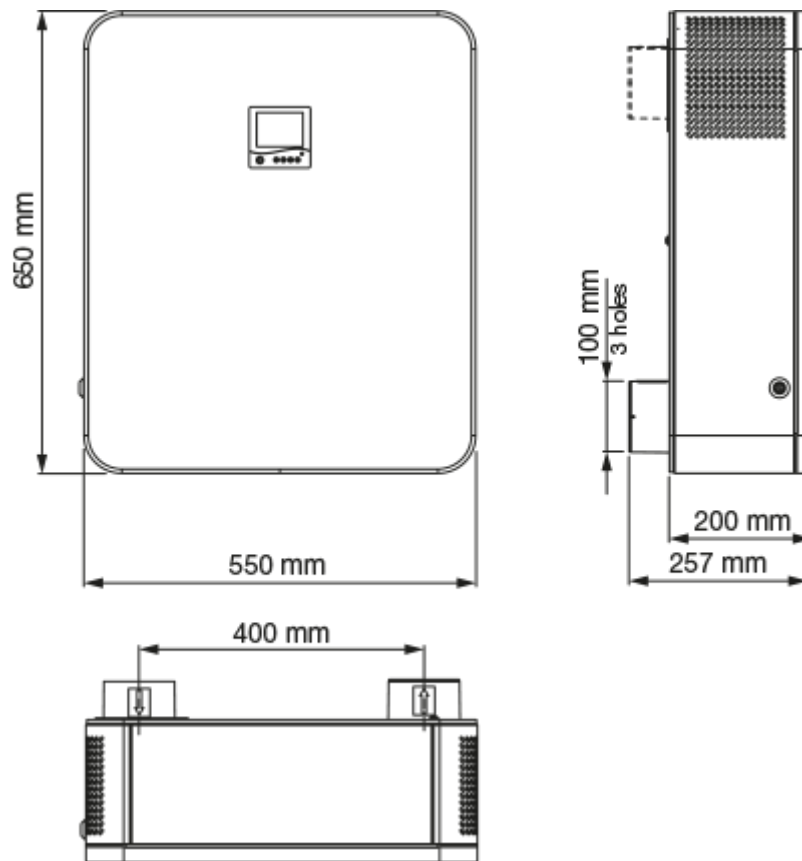
- Maximum airflow: 100
- Sound pressure level LpA at 3 m: 39
- Heat recovery efficiency: 98
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (Опция: F7), G4 (Option: F7)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Control: Built-in control panel
- Casing material: Coated steel
- Temperature sensor: Built-in

| | Unit of measurement | Micra 100 | | |
|-----------------------------------|---------------------|---------------------------------|----|-----|
| Connected air duct size | mm | 100 | | |
| Speed | - | 3 | | |
| Minimum supply voltage | V | 110 | | |
| Maximum supply voltage | V | 240 | | |
| Power supply frequency | Hz | 50/60 | | |
| Rated power | W | 12 | 21 | 45 |
| Unit current | A | 0.4 | | |
| Maximum airflow | m ³ /h | 30 | 60 | 100 |
| Sound pressure level LpA at 3 m | dB(A) | 13 | 27 | 39 |
| Heat recovery efficiency | % | 98 | 92 | 89 |
| Heat recovery efficiency, max | % | 98 | | |
| Heat exchanger type | - | Counter flow | | |
| Heat exchanger material | - | Polystyrene | | |
| Weight | kg | 31 | | |
| Extract filter | - | G4 | | |
| Supply filter | - | G4 (Опция: F7), G4 (Option: F7) | | |
| Transported air temperature (max) | °C | 40 | | |
| Transported air temperature (min) | °C | -20 | | |
| Ambient air temperature min | °C | 1 | | |
| Ambient air temperature max | °C | 40 | | |
| Ambient air humidity max | % | 70 | | |

| | | |
|--|---|------|
| Ingress protection rating | - | IP22 |
| Ingress protection rating of the drive | - | IP44 |












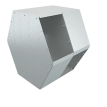

Dimensions






Accessories

Other accessories

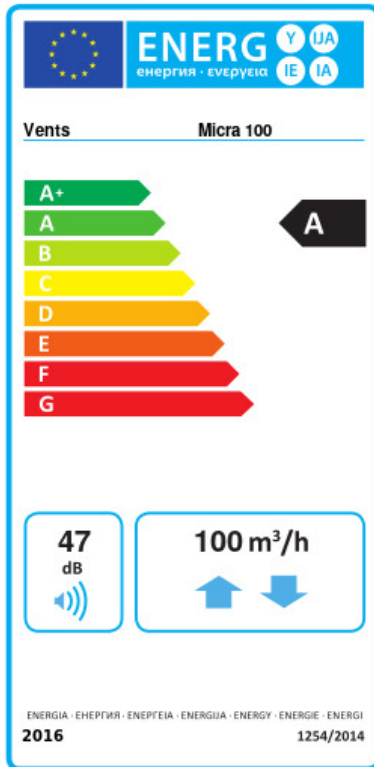
| Name | Photo | Description |
|---------------------|---|---|
| MK Micra 100 white |  | Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template |
| MK Micra 100 chrome |  | Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template |
| NB Micra 100 white |  | Outdoor box |
| NB Micra 100 chrome |  | Outdoor box |
| NE Micra 100 |  | Heater to prevent condensate freezing in the drain pipe and the outdoor box |
| SF 193x158x18 G4 |  | Panel filter G4 |

| | | |
|--------------------|---|------------------|
| SF 193x158x47 F8 |  | F8 panel filter |
| SF 193x158x47 F8 C |  | F8 carbon filter |
| SF 193x158x47 H13 |  | H13 HEPA filter |
| VL R6 366/157 |  | Summer block |
| SF 193x158x47 F7 |  | F7 panel filter |

Sensors

| Name | Photo | Description |
|-----------------------|---|--------------------------------|
| HR-S |  | Electro-mechanical humidistats |
| CO2-1 |  | CO2 sensors |
| CO2-2 |  | CO2 sensors |

Ecodesign



| | | | | | | |
|---|----------------------|----|---------|---|------|---|
| Trademark | Vents | | | | | |
| Model | Micra 100 | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | 81.4 | A+ | 41.6 | A | 16.2 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 92 | | | | | |
| Maximum flow rate (m ³ /h) | 100 | | | | | |
| Electric power input (W) | 45 | | | | | |
| Reference flow rate (m ³ /s) | 0.017 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.35 | | | | | |
| 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 | | | | | |
| Declared typology | RVU BVU | | | | | |
| Sound power level (dB(A)) | 47 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 786 | | 249 | | 204 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 9230 | | 4718 | | 2133 | |