# TwinFresh Comfo RA1-50-5 V.3



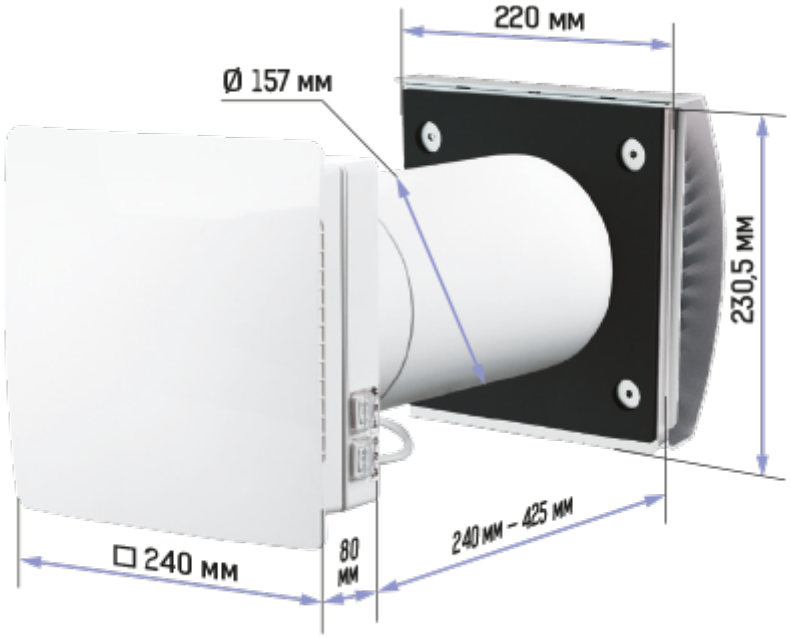
Single-room HRV unit with ceramic heat exchanger and remote control, with an air flow of 50 m³/h. This model is supplied to international markets only. For United States customers, please visit vents-us.com product website

- Air flow in heat recovery mode: 25
- Sound pressure level LpA at 3 m: 23
- Sound pressure level LpA at 1 m: 32
- Heat exchanger type: Regenerative
- Heat exchanger material: Ceramic
- Filter: G3 (G4 F7 optional)
- Sound-insulated casing
- Control: Remote Control
- Casing material: Plastic
- Humidity sensor: Built-in

| | Unit of measurement | TwinFresh Comfo RA1-50-5 V.3 | | |
|---|---|---|---|---|
| Phases | - | 1 | | |
| Minimum supply voltage | V | 100 | | |
| Maximum supply voltage | V | 240 | | |
| Power supply frequency | Hz | 50/60 | | |
| Rated power | W | 4.50 | 5.00 | 7.00 |
| Unit current | A | 0.024 | 0.026 | 0.039 |
| Air flow in ventilation mode | m³/h | 20 | 35 | 50 |
| Air flow in heat recovery mode | m³/h | 10 | 18 | 25 |
| Rotation speed at 50hz | - | 610 | 800 | 1450 |
| Sound pressure level LpA at 3 m | dB(A) | 13 | 20 | 23 |
| Sound pressure level LpA at 1 m | dB(A) | 22 | 29 | 32 |
| Heat recovery efficiency, max | % | 88 | | |
| Heat exchanger type | - | Regenerative | | |
| Heat exchanger material | - | Ceramic | | |
| Filter | - | G3 (G4 F7 optional) | | |
| Transported air temperature (max) | °C | 40 | | |
| Transported air temperature (min) | °C | -20 | | |
| Ambient air temperature min | °C | 1 | | |
| Ambient air temperature max | °C | 40 | | |

| | | |
|---|---|---|
| Ingress protection rating | - | IP24 |
| Ambient air humidity max | % | 65 |
| Minimum wall thickness | mm | 240 |
| Maximum wall thickness | mm | 425 |

## Dimensions




## Accessories

### Metal

| Name | Photo | Description |
|---|---|---|
| MVMO 150 bV1s An |  | Single-row flanged metal grilles with angled louvers, optional flange |

### Hoods

| Name | Photo | Description |
|---|---|---|
| EH-2 chrome 160 |  | Outer hood for thin walls |
| EH-2 grey 160 |  | Outer hood for thin walls |

### Other accessories

| Name | Photo | Description |
|---|---|---|
| EH-13 chrome 160 |  | Outer hood for cold climate |
| EH-13 white 160 |  | Outer hood for cold climate |
| RC TwinFresh Comfo R-50 |  | Remote control |
| SF TwinFresh R-50 G3 |  | G3 filter kit (2 pcs.) |
| SFC 150x50 F7 |  | Filter |
| SFC 150x50 G4 |  | Filter |
| TwinFresh R-50 |  | Kit for pre-installation |
| TwinFresh Comfo RA1-50 V.3 completion kit |  | Completion kit (for the TwinFresh Comfo RA1-50 V.3 model) |

## Plastic

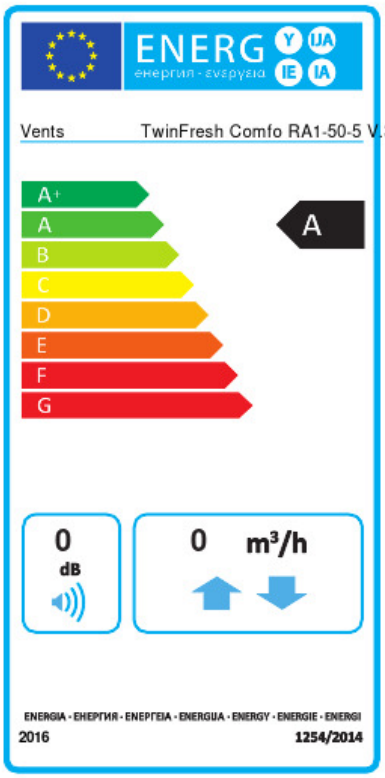
| Name | Photo | Description |
|---|---|---|
| EH-14 beige 160 |  | Plastic outer hood |
| EH-14 black 160 |  | Plastic outer hood |
| EH-14 brown 160 |  | Plastic outer hood |
| EH-14 chrome 160 |  | Plastic outer hood |
| EH-14 grey 160 |  | Plastic outer hood |
| EH-14 terracotta 160 |  | Plastic outer hood |

| | | |
|---|---|---|
| EH-14 white 160 |  | Plastic outer hood |
| EH-17 beige 160 |  | Plastic outer hood |
| EH-17 black 160 |  | Plastic outer hood |
| EH-17 brown 160 |  | Plastic outer hood |
| EH-17 grey 160 |  | Plastic outer hood |
| EH-17 terracotta 160 |  | Plastic outer hood |
| EH-17 white 160 |  | Plastic outer hood |

### Flat duct

| Name | Photo | Description |
|---|---|---|
| 3810 |  | Wall mounting |
| 3805 |  | Wall mounting |

## Ecodesign




| Trademark | Vents | | | | | |
|---|---|---|---|---|---|---|
| Model | TwinFresh Comfo RA1-50-5 V.3 | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | 0 | A+ | 0 | A | 0 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | 3-speed | | | | | |
| Type of heat recovery system | Regenerative | | | | | |
| Thermal efficiency of heat recovery (%) | 0 | | | | | |
| Maximum flow rate (m³/h) | 0 | | | | | |
| Electric power input (W) | 0 | | | | | |
| Reference flow rate (m³/s) | 0 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0 | | | | | |
| Control typology | Local demand control | | | | | |
| Airflow sensitivity at +20 Pa and -20 Pa (%) | 0 | | | | | |
| Sound power level (dB(A)) | 0 | | | | | |
| Declared typology | RVU BVU | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 0 | | 0 | | 0 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 0 | | 0 | | 0 | |