**Centralised ventilation unit WRG 180 EC**

Features

Special energy savings due to the DC motor.

With automatic volumetric flow regulation for constant air quantities.

Sheet steel housing, powder-coated

Colour: pearl white, similar to RAL 1013.

Inner coating of heat resistant synthetic material, non-hygroscopic.

With two integrated G4 filters, filter change is possible without tools.

4 DN 125 duct connections on the top of the unit.

PH certification.

Connection to KNX systems possible.

Heat exchanger

Counterflow plate heat exchanger made of synthetic material (PETG).

The heat exchanger can be removed easily once the front plate has been unscrewed.

The heat exchanger can be easily cleaned using water.

Frost protection

Guaranteed frost protection ensures that the heat exchanger does not freeze.

The frost protection switches the supply air fan off when the outgoing air temperature is too low.

Recommendation: Combine heat recovery units with an earth heat exchanger.

Energy-efficient fans

2 centrifugal DC fans, one fan each for supply air and exhaust air.

Fans with centrifugal impellers curved to the front.

3 ventilation levels:

1 = Basic ventilation/Night operation

2 = Normal/Daytime operation

3 = Intensive/Party operation

Within each ventilation level, the air volume can be adjusted from 70 m3/h up to 165 m3/h in 5 m3/h levels adjustable.

Mounting instructions

With bracket for wall installation, feet for floor installation.

Installation on the wall or a pedestal is required to ensure access to the condensation connection.

Housing covers can be unscrewed.

Provide sound absorbers on the inlet and outlet sides.

Electrical connection

When delivered, the device is assembled and ready for service.

Condensation drain

Condensation is drained out from the underside of the unit. Condensation drain (3/4" internal thread) to connect up to a siphon.

Technical data

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| Article: | WRG 180 EC |
| Number of ventilation levels: | 3 |
| Air flow volume: | 70 m³/h - 165 m³/h |
| Volumetric flow constant: | yes |
| Speed controllable: | - |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz/60 Hz |
| Power consumption: | 37 W - 77 W At 100 Pa counter pressure |
| Imax: | 0,8 A |
| Degree of protection: | IP 31 |
| DIBT approval: | No |
| PHI certification: | yes |
| Installation site: | Cellar / Storage tank / Jamb wall / Utility room / Heating room |
| Housing material: | Sheet steel, powder coated |
| Heat exchanger material: | PETG plastic |
| Colour: | Pearl white, similar to RAL 1013 |
| Weight: | 27,7 kg |
| Weight including packaging: | 29 kg |
| Filter class: | G4 |
| Connection diameter: | 125 mm |
| Connection diameter of condensation drain: | 3/4" inside thread |
| Width: | 560 mm |
| Height: | 600 mm |
| Depth: | 315 mm |
| Width with packaging: | 730 mm |
| Height with packaging: | 360 mm |
| Depth with packaging: | 590 mm |
| Airstream temperature at IMax: | 50 °C |
| Degree of heat provision: | 90 % |
| Heat exchanger construction type: | Cross-counterflow |
| Bypass: | No |
| Frost protection: | External |
| Antifreeze circuit: | yes |
| Summer circuit: | No |
| Filter monitoring: | time controlled with RLS 2 F |
| Humidity control: | optional with HY 5, HY 5 I, HY 10 AP, HY 10 UP |
| CO2regulation: | - |
| Air quality control (optional): | - |
| KNX connection (optional): | yes |
| Control unit included in scope of delivery.: | No |
| Control unit (optional): | RLS 2 F, RLS 3 |
| Wireless switch on/off (optional): | XE 1, XS 1 |
| Housing emission sound pressure level: | 37 dB(A) Spacing 1m, sound absorption 10 m² |
| Packing unit: | 1 piece |
| Range: | K |
| GTIN (EAN): | 4012799820598 |
| Article number: | 0082.0059 |

Manufacturer: MAICO

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