**Centralised ventilation unit WRG 300 EC**

Features

Special energy savings due to DC motors having EC technology for constant volumetric flow.

With sound-insulated fans for especially quiet running.

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.

Easy filter change.

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

WRG 300 EC: 4 DN 160 duct connections on the upper side of the unit.

WRG 400 EC: 4 DN 180 duct connections on the upper side of the unit.

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.

Anti-frost protection

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

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

Heat recovery systems combined with earth heat exchangers or an electric frost protection feature to also ensure perfect operations at low temperatures. In the winter, the earth heat exchanger also guarantees extra heating power and in the summer, extra cooling power.

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

WRG 300 EC:

Factory setting - 100 / 150 / 225 m3/h.

Within each ventilation level, the air volume can be adjusted from 70 m3/h up to 300 m3/h in 5 m3/h levels adjustable.

WRG 400 EC:

Factory setting - 100 / 200 / 300 m3/h.

Within each ventilation level, the air volume can be adjusted from 70 m3/h up to 400 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 at the bottom of the unit. Condensation drainage (½" internal thread) for connection to a drain trap.

Technical data

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| Article: | WRG 300 EC |
| Number of ventilation levels: | 3 |
| Air flow volume: | 70 m³/h - 300 m³/h |
| Volumetric flow constant: | yes |
| Speed controllable: | - |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz/60 Hz |
| Power consumption: | 40 W - 160 W At 100 Pa counter pressure |
| Imax: | 1,06 A |
| Degree of protection: | IP 31 |
| DIBT approval: | No |
| PHI certification: | No |
| Installation site: | Cellar / Storage tank / Jamb wall / Utility room / Heating room |
| Heat exchanger material: | PETG plastic |
| Colour: | Pearl white, similar to RAL 1013 |
| Weight: | 31,5 kg |
| Weight including packaging: | 34 kg |
| Filter class: | G4 |
| Connection diameter: | 160 mm |
| Connection diameter of condensation drain: | 1/2" inside thread |
| Width: | 675 mm |
| Height: | 602 mm |
| Depth: | 420 mm |
| Width with packaging: | 760 mm |
| Height with packaging: | 740 mm |
| Depth with packaging: | 595 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: | 45 dB(A) Spacing 1m, sound absorption 10 m² |
| Packing unit: | 1 piece |
| Range: | K |
| GTIN (EAN): | 4012799820628 |
| Article number: | 0082.0062 |

Manufacturer: MAICO

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