**Centralised ventilation unit WS 150 L**

Features

Automatic constant volumetric flow regulation for equal air quantities.

Special energy savings due to the DC motor.

Powder-coated plate housing in sandwich construction, with integrated heat insulation.

Colour: light grey.

Integrated filter system with coarse filter (G4) in the outside air and in the exhaust air. Filter change is possible without tools.

2 DN 125 duct connections each with rubber lip seals on side walls of unit. For directly connecting up tubular sound absorbers.

Controlled through control unit RLS 2 F in the living room.

Control unit for switching ventilation levels, timer and filter monitoring.

Control unit not included in scope of delivery.

DIBT approval.

Connection to KNX systems possible.

Heat exchanger

Counterflow heat exchanger made of aluminium.

The heat exchanger can be easily removed and cleaned with water.

Frost protection

Frost protection by switching off the supply air fans.

The frost protection feature switches the supply air fan off when the heat exchanger starts to freeze up.

Recommendation: Combine heat recovery units with a brine earth heat exchanger.

Energy-efficient fans

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

3 ventilation levels can be set:

1 = Reduced ventilation: 70, 85, 95, 105 m3/h

2 = Nominal ventilation: 85, 100, 120, 135 m3/h

3 = Intensive ventilation: 120, 135, 150, 165 m3/h

Factory setting: 70/100/135 m3/h.

Mounting instructions

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

The front plate can be hinged open after loosening the 2 quick-release clips.

Decouple the housing with impact sound plates for sound insulation.

Condensation drain

Condensation is drained out at the bottom of the unit. Condensation drainage (3/4" external thread) for connection to a 1/2" hose.

Technical data

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| Article: | WS 150 L |
| Model: | Connections on the left |
| Number of ventilation levels: | 3 |
| Air flow volume: | 70 m³/h - 165 m³/h |
| Volumetric flow constant: | yes |
| Speed controllable: |  -  |
| SEC average: | -38,4 kWh/(m²\*a) |
| Energy efficiency class: | A |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz/60 Hz |
| SPI value in accordance with DIN EN 13141-7 (A7): | 0,23 Wh/m³ |
| Power consumption: | 24 W - 51 W At 100 Pa counter pressure |
| Power consumption in accordance with DIN EN 13141-7 (A7): | 27 W |
| Stand-by power consumption: | < 2 W |
| Imax: | 0,5 A |
| Degree of protection: | IP 00 |
| DIBT approval: | yes |
| PHI certification: | No |
| Installation site: | Cellar / Storage tank / Jamb wall / Utility room / Heating room |
| System type: | Centralised |
| Housing material: | Sheet steel, galvanised |
| Heat exchanger material: | Aluminium |
| Colour: | Light grey |
| Weight: | 51 kg |
| Weight including packaging: | 61 kg |
| Filter class: | G4 |
| Connection diameter: | 125 mm |
| Connection diameter of condensation drain: | 3/4" external thread for connection to a 1/2" hose |
| Width: | 1.065 mm |
| Height: | 460 mm |
| Depth: | 400 mm |
| Width with packaging: | 1.090 mm |
| Height with packaging: | 600 mm |
| Depth with packaging: | 430 mm |
| Ambient temperature: | 40 °C |
| Max. degree of heat provision in accordance with DIN EN 13141-7 (A7): | 90 % |
| Heat exchanger construction type: | Cross-counterflow |
| Bypass: | No |
| Frost protection: | External |
| Enthalpy heat exchanger: | No |
| 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): | EAQ 10/1 |
| KNX connection (optional): | to be supplied by the customer |
| MODBUS interface: | No |
| 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 |
| EnOcean wireless integration (optional): | No |
| Mobile control: | No |
| Housing emission sound pressure level: | 31 dB(A) Spacing 1m, sound absorption 10 m² |
| Approval number: | Z-51.3-172 |
| Packing unit: | 1 piece |
| Range: | K |
| GTIN (EAN): | 4012799950585 |
| Article number: | 0095.0058 |

Manufacturer: MAICO

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