**Compact box ECR 16 EC**

Features

Space-saving compact unit consisting of ideally matched components:

Fan

Air filter

Electric air heater

With control for constant supply air temperature or room temperature.

With sound-absorbing rock wool, laminated with silk glass, and double-walled housing for minimum noise level and the best thermal insulation.

Air filter replacement in seconds without tools.

Impeller with blades curved to the rear for optimised efficiency.

Removable cover with clip-locks.

Inlet and outlet side connection socket for direct installation in ventilation ducts.

Time-saving mounting thanks to mounting tracks.

With automatic fan overrun to protect against overheating.

Can be switched on/off using external potential-free contact.

IP 33 degree of protection.

Electric air heater

Electric air heater is positioned downstream of the fan in the air flow.

Closed tubular radiator made from stainless steel.

With temperature sensor in flow direction behind the air heater with radiation protection plate.

If the heating elements are subject to thermal overload, a thermal contact interrupts the circuit.

Control unit

Separate control unit and 10 m control cable included in the scope of delivery.

Room temperature sensor integrated in control unit.

Option of room or supply air temperature control.

3 ventilation levels.

Function keys for:

Unit on/off

Fan speed control

Increase/reduce setpoint temperature

Switching between automatic/manual mode

Display of:

speed level

Nominal and supply air temperature

Operation/fault with error code

Electronic filter monitoring with filter change warning displayed on the control unit.

With output for controlling a separate shutter.

With integrated timer with daily and weekly program for controlling the switch-on times for each individual day of the week.

Motor

EC DC motor.

Robust motor with ball bearings, maintenance-free.

Thermal overload protection as a standard feature.

Technical data

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| Article: | ECR 16 EC |
| Number of ventilation levels: | 3 |
| Air flow volume: | 580 m³/h |
| Rotating speed: | 3.650 1/min |
| Speed controllable: |  -  |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 3.124 W |
| Inom: | 0,9 A |
| Inom fan: | 0,9 A |
| Imax: | 0,9 A |
| IMax total: | 13,9 A |
| Degree of protection for motor: | IP 33 |
| Insulation class: | F |
| Pole-changeable: |  -  |
| Installation position: | vertical / horizontal |
| Material: | Sheet steel, galvanised |
| Colour: | Silver |
| Weight: | 28,76 kg |
| Weight including packaging: | 30,62 kg |
| Filter class: | ISO ePM10 ≥ 50 % (M5) |
| Nominal size: | 160 mm |
| Width: | 403 mm |
| Height: | 346 mm |
| Depth: | 786 mm |
| Width with packaging: | 500 mm |
| Height with packaging: | 380 mm |
| Depth with packaging: | 820 mm |
| Heater power rating: | 3.000 W |
| Packing unit: | 1 piece |
| Range: | E |
| GTIN (EAN): | 4012799805755 |
| Article number: | 0080.0575 |

Manufacturer: MAICO

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