**Compact box ECR 31 EC**

Features

Space-saving compact unit consisting of ideally matched components:

Fan

Air filter

Electric air heater

Simple ventilation and air extraction thanks to coordinated ECR and ECR-A supply and exhaust air units.

With control for constant supply air temperature or room temperature.

With sound absorbing rock wool, laminated with silk glass and double-walled housing for the lowest noise levels and best heat insulation.

Air filter can be changed in seconds without any tools.

Impeller with blades curved to the rear for optimised efficiency.

Removable cover with clip-locks.

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

Time-saving installation thanks to mounting tracks.

With automatic fan overrun to protect against overheating.

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

IP 43 degree of protection for ECR 12 to 20.

IP X4 degree of protection for ECR 25 to 31 EC.

Electrical air heater

The electrical air heater is positioned after the fan in the air flow.

Closed, stainless steel tubular radiator .

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

A thermal contact breaks the power circuit in the event of a thermal overload of the heating elements.

Control unit

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

Room temperature sensor integrated in the operator unit.

Selectable room or supply air temperature control.

Function keys for:

Unit on / off

Fan speed control

Increase/reduce setpoint temperature

Switching between automatic and manual operation

Display of:

Speed

Setpoint and supply air temperature

Operation/fault with error code

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

With output for controlling a separate shutter.

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

Motor

External rotor capacitor motor for ECR 12 to 20.

DC motor for ECR 25 to 31 EC.

Robust motor with ball bearings, maintenance-free.

Thermal overload protection as a standard feature.

Technical data

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| Article: | ECR 31 EC |
| Air flow volume: | 1.140 m³/h |
| Rotating speed: | 2.970 1/min |
| Speed controllable: | ✔ |
| Rated voltage: | 400 V |
| Inom fan: | 1 A |
| IMax total: | 14,1 A |
| Degree of protection: | IP X4 |
| Insulation class: | F |
| Operator unit degree of protection: | IP 00 |
| Housing material: | Sheet steel, galvanised |
| Weight: | 30,9 kg |
| Weight including packaging: | 32,882 kg |
| Filter class: | G4 |
| Nominal size: | 315 mm |
| Width with packaging: | 825 mm |
| Height with packaging: | 440 mm |
| Depth with packaging: | 480 mm |
| Airstream temperature at nominal current: | 40 °C |
| Airstream temperature at IMax: | -20 °C up to 40 °C |
| Heater power rating: | 9.000 W |
| Packing unit: | 1 piece |
| Range: | E |
| GTIN (EAN): | 4012799800835 |
| Article number: | 0080.0083 |

Manufacturer: MAICO

ECR 31 EC Compact box