**Fan insert ER 100 F**

Model with light control

Barrier-free product, as automatic switching on/off is possible via the light control.

The light control switches on the fan when the minimum light intensity in the room is exceeded, e.g. when a light is switched on.

Min. 30 lux switch-on brightness (on unit).

Max. 0.3 lux switch-off brightness (on unit).

No need to install a switch.

Start delay approx. 50 sec.

Overrun time approx. 6 min.

Switching option: The fan can be switched off independently of the room lighting by an additional switch (see the wiring diagrams online).

Not speed controllable.

Features

Fan with cover and ISO Coarse 30 % (G2) filter for installation in ER-UP/G, ER-UPD and ER-UPB.... flush-mounted housings

For single or second room air extraction using a single fan (exception: H model).

Trouble-free filter change without tools.

It is possible to rotate the cover by ± 5°, to compensate for housings which have been fitted at an angle.

Simple and quick installation of the fan in the housing via the snap-on attachment and the electrical plug connector.

Colour: traffic white, similar to RAL 9016.

All MAICO ER units have an IP X5 degree of protection and can be installed in area 1 in accordance with DIN VDE 0100-701, even with water jets. For details see planning instructions.

Protection class II.

The extremely steep characteristic curve shows the high pressure capacity of the ER fans.

Robust energy-saving capacitor motor.

Motor with thermal overload protection.

Maintenance-free, with enclosed ball bearings on both sides.

Volumetric flow characteristic curve and air leakage rate checked by TÜV Bayern e.V (German Technical Inspection Agency). Air leakage rate < 0.01 m³/h.

Shaft level difference according to DIN 52210-6, tested by IAB Oberursel (The Institute for Acoustics and Building Physics in Germany).

With VDE symbol.

Technical data

|  |  |
| --- | --- |
| Article: | ER 100 F |
| Model: | Light control |
| Air flow volume: | 101 m³/h |
| Rotating speed: | 1.900 1/min |
| Air direction: | Air extraction |
| Speed controllable: | - |
| SEC average: | -21,38 kWh/(m²\*a) |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Power consumption: | 29,5 W |
| Imax: | 0,14 A |
| Degree of protection: | IP X5 |
| Mains cable: | 3 x 1,5 mm² |
| Installation site: | Wall / Ceiling |
| Type of installation: | Recessed-mounted |
| System type: | Decentralised |
| Material: | Synthetic material |
| Colour: | Traffic white, similar to RAL 9016 |
| Weight: | 1,49 kg |
| Weight including packaging: | 1,77 kg |
| Filter class: | ISO Coarse 30 % (G2) |
| Air outlet direction: | at side |
| Width: | 250 mm |
| Height: | 250 mm |
| Depth: | 150 mm |
| Width with packaging: | 280 mm |
| Height with packaging: | 280 mm |
| Depth with packaging: | 155 mm |
| Airstream temperature at IMax: | 40 °C |
| Overrun time: | 6 min |
| Start delay: | 50 s |
| Sound pressure level: | 45 dB(A) Specifications in accordance with DIN 18017-3 at an equivalent absorption area A<sub>L</sub> = 10 m.<sup>2</sup> |
| Packing unit: | 1 piece |
| Range: | B |
| GTIN (EAN): | 4012799841326 |
| Article number: | 0084.0132 |

Manufacturer: MAICO

ER 100 F Fan insert