**Fan insert ER 100 RC**

Model with radio receiver

On/off via DS RC radio switch or separate RLS RC control.

Overrun time of around 15 min only when switching off in single mode with radio switch and deactivated DIN 18017-3 mode.

The three speeds can be selected either on the radio switch or control.

Not speed-controllable.

Can be combined with Wibutler smart home system.

Features

Radio-controlled fan with cover and filter for the MAICOsmart exhaust air system, with ISO Coarse 30 % (G2) filter and built-in 868 MHz radio receiver, based on EnOcean technology, for installation in flush-mounted housing.

The fan can be installed in a master/slave network (RLS RC needed).

For single or second room air extraction using a single fan.

Three power levels 35 / 60 / 100 m³/h.

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.

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.

Motor

Energy-saving robust capacitor motor with ball bearings, maintenance-free.

Suitable for continuous operation.

Security instructions

The fan has an IP X5 degree of protection and can be installed in protection area 1 in accordance with DIN VDE 0100-701, even with water jets.

For details see planning instructions in chapter on single-duct air extraction according to DIN 18017-3.

Technical data

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| Article: | ER 100 RC |
| Model: | Radio receiver |
| Air flow volume: | 35 m³/h / 60 m³/h / 100 m³/h |
| Rotating speed: | 850 1/min / 1.250 1/min / 1.900 1/min |
| Air direction: | Exhaust air |
| Speed controllable: | - |
| SEC average: | -6,72 kWh/(m²\*a) |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Power consumption: | 10 W / 21 W / 29,5 W |
| Imax: | 0,1 A / 0,12 A / 0,14 A |
| Degree of protection: | IP X5 |
| Mains cable: | 3 x 1,5 mm² |
| Installation site: | Wall / Ceiling |
| Type of installation: | Recessed-mounted |
| Installation position: | vertical / horizontal |
| System type: | Decentralised |
| Material: | Synthetic material |
| Colour: | Traffic white, similar to RAL 9016 |
| Weight: | 1,5 kg |
| Weight including packaging: | 1,8 kg |
| Filter class: | ISO Coarse 30 % (G2) |
| Width: | 250 mm |
| Height: | 250 mm |
| Depth: | 138 mm |
| Width with packaging: | 280 mm |
| Height with packaging: | 280 mm |
| Depth with packaging: | 150 mm |
| Airstream temperature at IMax: | 40 °C |
| Ambient temperature: | -10 °C up to 40 °C |
| Sound pressure level: | 27 dB(A) / 36 dB(A) / 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): | 4012799841296 |
| Article number: | 0084.0129 |

Manufacturer: MAICO

ER 100 RC Fan insert