**Fan insert ER 100 D**

Model with three-step switching

Air volume which can be set when combined with three-step switch:

Step 1: 35 m3/h

Step 2: 60 m3/h,

Step 3: 100 m3/h

Can be used in combination with supply air elements for controlled domestic ventilation.

Particularly recommended for redevelopment projects.

Not speed-controllable.

Features

Fan with cover and ISO Coarse > 30 % (G2) filter for installation in flush-mounted housing.

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 4109, tested by IAB Oberursel (The Institute for Acoustics and Building Physics in Germany).

With VDE symbol.

Technical data

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| --- | --- |
| Article: | ER 100 D |
| Model: | Model with three-speed switch |
| 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: | Air extraction |
| Speed controllable: |  -  |
| SEC average: | -9,95 kWh/(m²\*a) |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Power consumption: | 10 W / 21 W / 29 W |
| Imax: | 0,1 A / 0,12 A / 0,14 A |
| Degree of protection: | IP X5 |
| Mains cable: | 5 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: | 1,51 kg |
| Weight including packaging: | 1,8 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 |
| 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): | 4012799841371 |
| Article number: | 0084.0137 |

Manufacturer: MAICO

ER 100 D Fan insert