**Fan insert ER EC**

Special features

Robust, energy-saving and sound-optimised EC motor with constant volumetric flow.

Low power consumption.

Can be used for flush mounting or surface mounting.

Ventilation solution in accordance with DIN 18017-3 (single duct air extraction).

DIBT approval applied for.

Degree of protection IP X5, installation in protection zone 1 possible.

The ER EC fan insert can be combined with the four existing covers ER-A, ER-AK, ER-AH, ER-AB and adapted to the individual situation.

Can be used in conjunction with the ER-RPK replacement kit in existing ER housings (ER-UP/G, ER-UPB, ER-UPD).

Features

2-level fan for installing in ER GH flush-mounted housing and ER GH AP/ER GH APB surface-mounted housing.

Air volume 30 m³/h / 60 m³/h in conjunction with the ER-A standard cover.

When using the covers (ER-AK, ER-AH, ER-AB), 20 / 30 / 40 / 60 / 100 m³/h also possible.

Start delay 60 s.

Overrun time 15 min.

For single or second room air extraction using a single fan. Accessories for ER-ZR second room air extraction.

Air outlet adapter can be installed, without tools, for side and rear air outlet; included as a standard feature.

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

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 steep characteristic curve shows the high pressure capacity of the ER EC fan.

Robust energy-saving EC motor.

Motor with thermal overload protection.

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

Shaft level difference according to DIN 52210- 6, tested by the Fraunhofer Institute.

Technical data

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| Article: | ER EC |
| Air flow volume: | 20 m³/h / 30 m³/h / 40 m³/h / 60 m³/h / 100 m³/h Levels can be set in a variable manner depending on cover variant. ER-A: Level 1 = 30 m³/h, level 2 = 60 m³/h. ER-AK/ER-AB: Level 1 and level 2 = 20/30/40/60/100 m³/h can be set. ER-AH: Level 1 = 20/30/40 m³/h, level 2 = 60/100 m³/h can be set. |
| Rotating speed: | 500 1/min / 800 1/min / 1.050 1/min / 1.250 1/min / 1.800 1/min combined with ER GH, ER GH AP/APB |
| Air direction: | Air extraction |
| Speed controllable: |  -  |
| Reversing capacity: |  -  |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Power consumption: | 2 W / 2,5 W / 3 W / 5 W / 17 W / Combined with ER GH; 2.4 W / 2.9 W / 3.6 W / 6.2 W / 17 W combined with ER GH AP/APB |
| Degree of protection: | IP X5 |
| Mains cable: | 3/5 x 1.5 mm² |
| Installation site: | Wall / Ceiling |
| Type of installation: | Recessed-mounted |
| System type: | Decentralised |
| Housing material: | Polypropylene (PP) |
| Colour: | Black |
| Weight: | 0,64 kg |
| Weight including packaging: | 0,91 kg |
| Filter class: | ISO Coarse 30 % (G2) |
| Air outlet direction: | at side / at rear |
| Width: | 213 mm |
| Height: | 233 mm |
| Depth: | 115 mm |
| Width with packaging: | 280 mm |
| Height with packaging: | 280 mm |
| Depth with packaging: | 152 mm |
| Airstream temperature at IMax: | 40 °C |
| Sound pressure level: | 15 dB(A) / 16 dB(A) / 23 dB(A) / 35 dB(A) / 48 dB(A) combined with ER GH; 27 dB(A) / 31 dB(A) / 35 dB(A) / 41 dB(A) / 51 dB(A) combined with ER GH AP/APB/ Specification according to DIN 18017-3 with an equivalent absorption area of AL = 10 m² |
| Approval number: | Z-51.1-478 |
| Packing unit: | 1 piece |
| Range: | B |
| GTIN (EAN): | 4012799843603 |
| Article number: | 0084.0360 |

Manufacturer: MAICO

ER EC Fan insert