**Surface-mounted fan, fire protection ER-APB 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

Surface-mounted fan with ISO Coarse > 30 % (G2) filter for air extraction in open-plan kitchens, bathrooms or WCs.

DN 75/80 metal exhaust socket with maintenance-free metal shut-off damper and airstream-operated release mechanism against fire transmission K90-18017.

Metal shut-off damper also serves as a cold smoke preventer.

Housing can be rotated, so the exhaust socket can be connected to the main duct at the top left or top right.

Trouble-free filter change without tools.

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

|  |  |
| --- | --- |
| Article: | ER-APB 100 F |
| Model: | Light control |
| Air flow volume: | 100 m³/h |
| Rotating speed: | 1.850 1/min |
| Air direction: | Air extraction |
| Speed controllable: | - |
| SEC average: | -21,24 kWh/(m²\*a) |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Power consumption: | 29 W |
| Imax: | 0,15 A |
| Degree of protection: | IP X5 |
| Mains cable: | 3 x 1,5 mm² |
| Installation site: | Wall / Ceiling |
| Type of installation: | Surface-mounted |
| System type: | Decentralised |
| Material: | Synthetic material |
| Colour: | Traffic white, similar to RAL 9016 |
| Weight: | 2,1 kg |
| Weight including packaging: | 2,66 kg |
| Filter class: | ISO Coarse 30 % (G2) |
| Fire protection: | yes |
| Shut-off device: | Integrated metal shut-off device with release mechanism |
| Connection diameter: | 75 mm / 80 mm |
| Width: | 236 mm |
| Height: | 236 mm |
| Depth: | 217,5 mm |
| Width with packaging: | 255 mm |
| Height with packaging: | 335 mm |
| Depth with packaging: | 255 mm |
| Airstream temperature at IMax: | 40 °C |
| Overrun time: | 6 min |
| Start delay: | 50 s |
| Sound pressure level: | 49 dB(A) Specifications in accordance with DIN 18017-3 at an equivalent absorption area A<sub>L</sub> = 10 m.<sup>2</sup> |
| Approval number: | Z-51.1-45 |
| Packing unit: | 1 piece |
| Range: | B |
| GTIN (EAN): | 4012799841784 |
| Article number: | 0084.0178 |

Manufacturer: MAICO

ER-APB 100 F Surface-mounted fan, fire protection