**Surface-mounted fan, fire protection ER-APB 100 H**

Model with humidity control and base load circuit

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

Fully automatic intelligent humidity control.

Switch-on humidity does not have to be set. Fan independently monitors the room air humidity and extracts air automatically.

Not speed controllable.

Not suitable for second room air extraction.

Can be operated manually via a switch, e.g. full load is switched on using a light switch.

Standard switching: Fan runs in base load operation, humidity control is active, full load operation when the switch-on point is exceeded, base load operation when humidity falls below switch-off point.

More switching variants: Fan operation with or without base load operation; manual activation of full load; the fan is switched on/off using a switch.

Activation of full load using light switch and a fan overrun control linked to this (15 minute overrun time).

The fan runs until the air humidity in the room has fallen below the switch-off humidity level. After 60 min at the latest, the overrun time is activated and the fan is then switched off.

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

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| Article: | ER-APB 100 H |
| Model: | Humidity control |
| Air flow volume: | 35 m³/h / 100 m³/h |
| Rotating speed: | 900 1/min / 1.850 1/min |
| Air direction: | Air extraction |
| Speed controllable: | - |
| SEC average: | -21,82 kWh/(m²\*a) |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Power consumption: | 10 W / 29 W |
| Imax: | 0,09 A / 0,15 A |
| Degree of protection: | IP X5 |
| Mains cable: | 3/5 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 Overrun time available when using an optional switch (e.g. light switch) |
| Sound pressure level: | 33 dB(A) / 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): | 4012799841807 |
| Article number: | 0084.0180 |

Manufacturer: MAICO

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