**Small room fan AKE 100**

Model

Application area up to approx. 30 m² per fan.

Versatile expandability of the system: Connection of a supply air fan (e.g. ECA 11 E) is possible to increase the air exchange.

Features

Fully automatic, intelligent cellar dehumidification for the highest demands.

Constant comparison of the absolute humidity in the indoor and outdoor areas: Fan ventilates automatically if the absolute humidity in the room is greater than outside.

No maintenance and manual control required: Install once and the system works automatically.

Other fans without their own dew point control can be connected directly to the AKE, up to a max. of 600 mA, and benefit from the intelligence.

Fans > 600 mA can be connected with an additional relay or contactor and thus also dehumidify larger or several rooms via the AKE.

Designer cover conceals the inlet.

Barrier-free product as the fan switches itself on and off automatically without additional switches.

Fan monitors the room humidity.

Frost protection function: Switch off the system at inside temperatures below 5 °C.

Dry protection function: Switching off the system at a relative humidity of less than 30 %

Additional manual operation for 20 min. can be switched on and off by push button.

Additional installation of switch for unit not needed.

Additional manual continuous operation with switch possible.

Status and function displayed using LEDs.

Scope of delivery:

Fan

External shutter

Sensors

1m connection cable

Housing made of impact-resistant plastic.

Thermal overload protection.

Protection class II.

Frost protection

To prevent the room from cooling down, the AKE has a frost protection function. This means that the fan automatically switches off at inside temperatures of less than 5 °C.

Protection against insufficient humidity

To prevent the room from drying out, the AKE has a dry protection function. This means that the fan automatically switches off at a relative room humidity of less than 30 %.

Motor

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

Suitable for continuous operation.

Installation information

Simple installation:

AKE 100: Core drill hole 105 mm / 120 mm when installing with WH 100 wall sleeve accessory.

AKE 150: Core drill hole 155 mm / 170 mm when installing with WH 150 wall sleeve.

Wall and ceiling installation is possible

Electrical connection

Electrical connection can be either surface- or recessed-mounted.

Surface installation for AKE 100 with ECA-DR spacing frame accessory.

Technical data

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| Article: | AKE 100 |
| Air flow volume: | 92 m³/h |
| Rotating speed: | 2.500 1/min |
| Speed controllable: | - |
| Reversing capacity: | - |
| SEC average: | -24,18 kWh/(m²\*a) |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 8 W |
| Stand-by power consumption: | 2 W |
| Imax: | 0,06 A |
| Degree of protection: | IP X4 |
| Mains cable: | 5 x 1,5 mm² |
| Installation site: | Wall |
| Type of installation: | Surface-mounted |
| Installation position: | any |
| Material: | Synthetic material |
| Colour: | Traffic white, similar to RAL 9016 |
| Weight: | 0,85 kg |
| Weight including packaging: | 1,13 kg |
| Shutter: | none |
| Nominal size: | 100 mm |
| Cable length: | 1 m |
| Width: | 159 mm |
| Height: | 159 mm |
| Depth: | 130 mm |
| Width with packaging: | 225 mm |
| Height with packaging: | 225 mm |
| Depth with packaging: | 200 mm |
| Wall thickness: | max. 0.85 m (if a 1m length of cable isn't sufficient, please also order the 6m sensor cable) |
| Airstream temperature at IMax: | 40 °C |
| Sound pressure level: | 32 dB(A) Distance 3 m, Free-field conditions |
| Packing unit: | 1 piece |
| Range: | A |
| GTIN (EAN): | 4012799842200 |
| Article number: | 0084.0220 |

Manufacturer: MAICO

AKE 100 Small room fan