**Axial wall fan EZQ 45/4 B**

AC model

Axial wall fan with square wall plate, in single-phase AC version.

Brief description

Protective grille on the intake side, protection against accidental contact in accordance with DIN EN ISO 13857.

8-blade impellers made of glass-fibre reinforced polyamide

Thermal overload protection as a standard feature.

Fans meet the requirements of the European Ecodesign Directive (EC) No.327/2011 Directive 2009/125/EC.

Vibration-free running due to dynamically balanced impeller and motor (shaft-rotor), according to quality class 6.3, DIN ISO 1940, part 1.

High efficiency on the ventilation side, low operating noise.

Increased durability due to high-quality materials such as quiet ball bearings.

Fans are maintenance-free.

Reversible operation of the fans possible.

Customer-specific special voltages available, as special designs, on request and at extra cost.

Installation for ventilation and air extraction possible in any position.

Air flow direction

The air flow direction is marked.

Standard exhaust air mode, air flow direction with air drawn across motor.

AC motor

Asynchronous motor.

Not suitable for ventilating steam-saturated air.

Rated voltage 230 V, 50 Hz.

Fans “... B”: Capacitor motors with operating capacitor fitted to protective grille or to wall sleeve, IP 55 degree of protection.

Fans “... D”: Capacitor motors with operating capacitor in terminal box, IP 54 degree of protection.

Fans “... E”: Shaded-pole motors, degree of protection IP 54.

Speed controllable. Exception for type EZQ 45/6 B and EZS 45/6 B.

Units can be steplessly controlled with optional speed controllers or they can be steplessly switched with an optional 5-step transformer.

Reversible. Exception for fans with shaded-pole motor (“... E”).

Reversing mode: The volumetric flow is reduced by approx. 35 % with abnormal air flow direction.

Thermal overload protection as a standard feature.

Electrical connection

On terminal block in end cover of the motor.

Safety information

The fan may be operated only if the protection against accidental contact with the impeller is guaranteed to be in accordance with DIN EN ISO 13857, e.g., with Maico SG protective grille.

Special versions

The following special versions are available on request, at an extra cost:

Special voltages and frequencies.

Single-phase motors with thermal contacts or PTC thermistor, potential-free terminal connection.

Condensation drainage holes.

Fans with enhanced anti-corrosion protection.

Impellers made of aluminium.

Information on operation at temperatures occasionally below -20°C available upon request.

If operating with frequency converters, the factory must be consulted.

Feasibility must be checked in each case.

Technical data

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| Article: | EZQ 45/4 B |
| Model: | Square wall plate |
| Air flow volume: | 6.650 m³/h |
| Air volumenom: | 4.620 m³/h in opt. efficiency |
| Pressure pfs, nom: | 109 Pa in opt. efficiency |
| Rotating speed nnom: | 1.315 1/min in opt. efficiency |
| Rotating speed: | 1.413 1/min |
| Impeller type: | axial |
| Speed controllable: | ✔ |
| Reversing capacity: | ✔ |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 444 W in opt. efficiency |
| Inom: | 1,9 A in opt. efficiency |
| Imax: | 2,4 A |
| Degree of protection: | IP 55 |
| Insulation class: | B |
| Pole-changeable: | - |
| Installation site: | Wall / Ceiling |
| Type of installation: | Surface-mounted |
| Installation position: | horizontal / vertical |
| Material: | Sheet steel, galvanised |
| Colour: | Silver |
| Weight: | 15,86 kg |
| Weight including packaging: | 18,89 kg |
| Nominal size: | 450 mm |
| Width: | 630 mm |
| Height: | 630 mm |
| Depth: | 299 mm |
| Width with packaging: | 665 mm |
| Height with packaging: | 665 mm |
| Depth with packaging: | 400 mm |
| Airstream temperature at IMax: | -20 °C up to 45 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799831013 |
| Article number: | 0083.0101 |

Manufacturer: MAICO

EZQ 45/4 B Axial wall fan