**Axial wall fan EZS 40/4 B**

AC model

Axial wall fan with steel wall ring, in single-phase AC version.

Brief description

For surface mounting.

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.

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

EZQ/EZS type series.

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.

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: | EZS 40/4 B |
| Model: | Steel wall ring |
| Air flow volume: | 4.350 m³/h |
| Air volumenom: | 3.060 m³/h in opt. efficiency |
| Pressure pfs, nom: | 88 Pa in opt. efficiency |
| Rotating speed nnom: | 1.380 1/min in opt. efficiency |
| Rotating speed: | 1.426 1/min |
| Impeller type: | axial |
| Speed controllable: | ✔ |
| Reversing capacity: | ✔ |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 249 W in opt. efficiency |
| Inom: | 1,1 A in opt. efficiency |
| Imax: | 1,5 A |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Pole-changeable: | - |
| Installation site: | Wall / Ceiling |
| Type of installation: | Surface-mounted |
| Installation position: | horizontal / vertical |
| Material: | Sheet steel, galvanised |
| Colour: | Silver |
| Weight: | 8,27 kg |
| Weight including packaging: | 11,08 kg |
| Nominal size: | 400 mm |
| Width: | 580 mm |
| Height: | 580 mm |
| Depth: | 275 mm |
| Width with packaging: | 615 mm |
| Height with packaging: | 615 mm |
| Depth with packaging: | 400 mm |
| Airstream temperature at nominal current: | 60 °C |
| Airstream temperature at IMax: | -20 °C up to 60 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799940098 |
| Article number: | 0094.0009 |

Manufacturer: MAICO

EZS 40/4 B Axial wall fan