**EZF 40/4 B**

Single-phase AC model

Axial wall fan for flush-mounted installation, single-phase AC version.

Brief description

For flush mounting.

Can be fitted in any position.

Wall sleeve made of galvanised sheet steel.

8-blade impellers made of glass-fibre reinforced polyamide

Protective grille made of plastic on the intake side, pearl white, protection against accidental contact in accordance with DIN EN 13857.

Thermal overload protection as a standard feature.

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.

Air flow direction

The air flow direction is marked.

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

Single-phase AC motor

Asynchronous motor.

Rated voltage 230 V, 50 Hz.

IP 54 degree of protection. Exception EZF... D, EZF ... E IP 54.

Fans “... B”: Capacitor motors with operating capacitor on the protective grille or on the 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, non-reversible.

Thermal overload protection as a standard feature.

Speed controllable. 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.

Not suitable for ventilating steam-saturated air.

Electrical connection

On terminal block in end cover of the motor.

Safety information

The fan can be operated only if the protection against accidental contact with the impeller is guaranteed to be in accordance with DIN EN 13857 for fans with a free inlet.

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.

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

|  |  |
| --- | --- |
| Article: | EZF 40/4 B |
| Model: | Wall sleeve |
| Air flow volume: | 4.170 m³/h |
| Air volumenom: | 2.820 m³/h in opt. efficiency |
| Pressure pfs, nom: | 78 Pa in opt. efficiency |
| Rotating speed nnom: | 1.410 1/min in opt. efficiency |
| Rotating speed: | 1.433 1/min |
| Impeller type: | axial |
| Speed controllable: | ✔ |
| Reversing capacity: | ✔ |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 230 W in opt. efficiency |
| Inom: | 0,95 A in opt. efficiency |
| Imax: | 1,6 A |
| Degree of protection: | IP 55 |
| Insulation class: | B |
| Mains cable: | 3 x 1,5 mm² |
| Installation site: | Wall / Ceiling |
| Type of installation: | Recessed-mounted |
| Installation position: | horizontal / vertical |
| Material: | Sheet steel, galvanised |
| Colour: | Silver |
| Weight: | 10,58 kg |
| Weight including packaging: | 12,14 kg |
| Nominal size: | 400 mm |
| Width: | 470 mm |
| Height: | 470 mm |
| Depth: | 300 mm |
| Width with packaging: | 495 mm |
| Height with packaging: | 495 mm |
| Depth with packaging: | 340 mm |
| Airstream temperature at IMax: | -20 °C up to 60 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799850588 |
| Article number: | 0085.0058 |

Manufacturer: MAICO

EZF 40/4 B