**DZF 45/4 B**

Three-phase AC model

Axial wall fan for flush-mounted installation, in three-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.

Three-phase AC motor

Asynchronous motor.

Rated voltage 400 V, 50 Hz.

IP 55 degree of protection. Exception DZF... D IP 54.

Speed controllable. Units can be switched in steps with an optional 5-step transformer.

Reversible.

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

Thermal overload protection as a standard feature. Exception: DZF ... D.

Potential-free terminal connections, which must be connected to e.g. an MV 25 motor protection switch or the control circuit of a contactor.

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: | DZF 45/4 B |
| Model: | Wall sleeve |
| Air flow volume: | 6.045 m³/h |
| Air volumenom: | 3.970 m³/h in opt. efficiency |
| Pressure pfs, nom: | 116 Pa in opt. efficiency |
| Rotating speed nnom: | 1.380 1/min in opt. efficiency |
| Rotating speed: | 1.407 1/min |
| Impeller type: | axial |
| Speed controllable: |  ✔  |
| Reversing capacity: |  ✔  |
| Type of voltage: | Three-phase AC |
| Rated voltage: | 400 V |
| Frequency: | 50 Hz |
| Nominal output: | 455 W in opt. efficiency |
| Inom: | 0,8 A in opt. efficiency |
| Imax: | 1,1 A |
| Degree of protection: | IP 55 |
| Insulation class: | B |
| Mains cable: | 7 x 1,5 mm² |
| Installation site: | Wall / Ceiling |
| Type of installation: | Recessed-mounted |
| Installation position: | horizontal / vertical |
| Material: | Sheet steel, galvanised |
| Colour: | Silver |
| Weight: | 14,41 kg |
| Weight including packaging: | 16,54 kg |
| Nominal size: | 450 mm |
| Width: | 580 mm |
| Height: | 580 mm |
| Depth: | 315 mm |
| Width with packaging: | 595 mm |
| Height with packaging: | 595 mm |
| Depth with packaging: | 365 mm |
| Airstream temperature at nominal current: | 80 °C |
| Airstream temperature at IMax: | -20 °C up to 60 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799851097 |
| Article number: | 0085.0109 |

Manufacturer: MAICO

DZF 45/4 B