

Axial Wandventilatoren
Axial wall fans
Ventilateurs mureaux hélicoïdes



Baureihen / Series / Séries

EZQ ... **20/25/30/35/40/45/50/56/60**
DZQ ...

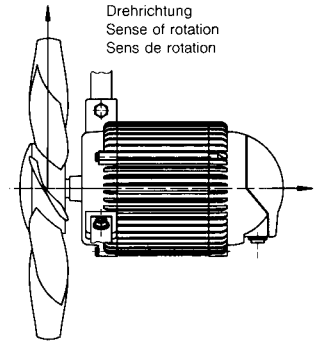
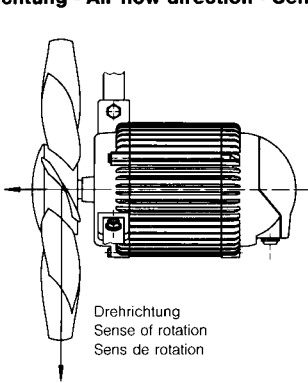
EZS ... **20/25/30/35/40/50/60**
DZS ...

Montage- & Bedienungsanleitung
Mounting & operating instructions
Instructions de montage & mode d'emploi

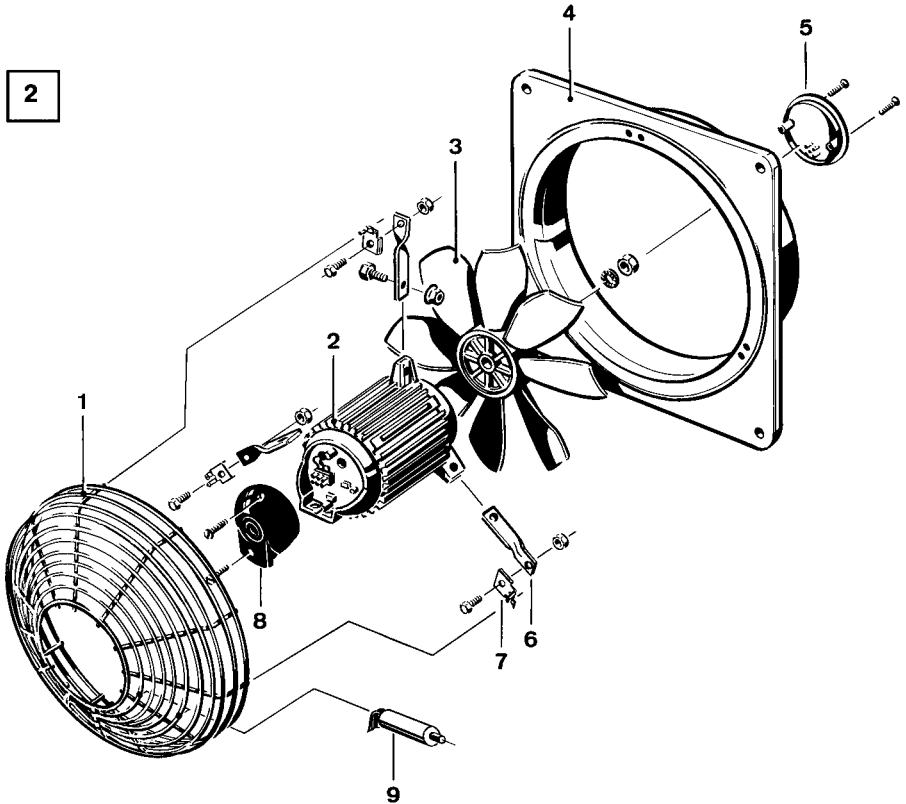


1

Förderrichtung - Air flow direction - Sens de refoulement
"A" "B"



2



High Performance Fan for installation in wall or ceiling

Note:

- Read through these instructions carefully and completely before attempting to install the fan.
- Prescribed use: MAICO accepts no liability for damage caused as a result of application not in accordance with the intended use of the equipment.



Important notes

- Electrical connection and repairs may only be carried out by suitably qualified experts.
- The fan may only be operated at the rated voltage specified on the rating plate.
- Electrical and appliance installation must be carried out in accordance with the valid regulations, in particular DIN VDE 0100 with the sections.
- The installation must be equipped with a mains disconnecting device with a contact opening of at least 3,5 mm at each pole.
- Threephase motors DZ.. must be fitted with a protection device against overloading.
 - Three phase motors (except pole-changing motors) with thermal overload protection are used as standard with heat detectors in the coil. The connections are leaded floating to the terminal.
 1. PTC-resistor, circuit breaker must be provided by the customer.
 2. Thermal contact in connection with motor protection switch MV 25.
 - Motor protection for the pole changing three phase motors must be provided by the customer.
- AC motors with thermal overload protection are used as standard. The motor is automatically switched off in case of thermal overload and back on again after cooling.
- Maximum permissible ambient temperature see specification in the valid Maico catalogue.
- The ball bearings must be checked for quiet running at least once a year, and if necessary exchanged for new ball bearings lubricated with original bearing grease.
- The fan may only be put into service when the accidental impeller contact protection is provided in accordance with DIN EN 294. For example using The Maico louvre shutter AS... or RS...
- Devices with a VDE-GS label have been safety-checked by the VDE.

Air flow direction

Fig. 1:

Air flow direction "A" (air drawn across the motor)

Air flow direction "B" (air blow across the motor)

Preliminary Work

- Break through the wall.
 - When working in masonry, finish the opening with plaster.

Installation

- The mounting surface must be perfectly even.
- The mounting hardware must be provided by the customer.
 - A secure, lasting fixture must be guaranteed.
 - Only use screws of at least strength category 4.8 in accordance with DIN 267.
- When using the extension ducting sleeve VH... install the fan with the extension ducting sleeve always attached.

Electrical connection

- In accordance with the wiring diagram on the motor or in accordance with the wiring diagram in Fig. 1.
- When using EZQ/EZS-fans, you have to connect the condensator in accordance with the wiring diagram.

Mounting the terminal box:

- Insert the mains conductor optionally from below or from the side. Break out the cable opening and insert the plastic grommet. See also the information provided on the lid of the terminal box.

Speed control

- Frequency converters with the following limiting values can also be used to control speed:
 - 1) U peak < 1000V
 - 2) du/dt < 500V/μs
 If these values cannot be adhered to, the frequency converters must be equipped with sine filters.

Technical Data

- See the rating plate or valid Maico catalogue.

Spare parts

Fig.2: Overview

Remark relating to spare parts orders: Always specify the publication number of these instructions 0185.0923.0005, the rating plate number "X" of the unit and the relevant position number.

1/2	Protection grille/Motor
3/5	Impeller
4/6	Mounting plate/Struts
7/8	Angle/Lid of the motor
9	Capacitor (AC Motors)

Schaltbild - wiring diagram - schémas de connexion

Wechselstrom/AC/ Courant alternatif

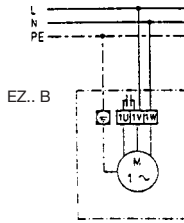
Kondensatormotor/

Capacitor motor/Moteur à condensateur

Rechtslauf

Right-hand rotation

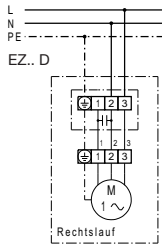
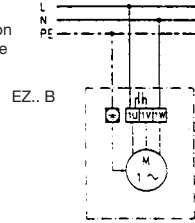
Marche à droite



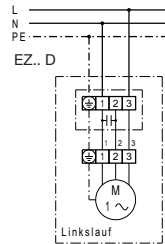
Linkslauf

Left-hand rotation

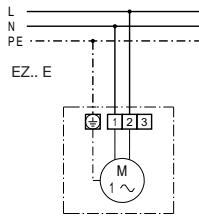
Marche à gauche



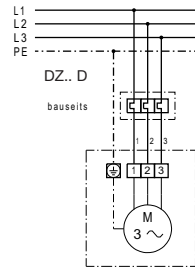
Rechtslauf



Linkslauf



Drehstrom/Threephase/Courant triphasé
1 Drehzahl/1 speed/1 vitesse de rotation



Drehstrom/Threephase/Courant triphasé

polumschaltbar, 2 Drehzahlen

pole-changing motor, 2 speeds

à nombre de poles variable, 2 vitesse de rotation

