**Axial duct fan DZL 35/42 B**

Features

Duct sleeve made of galvanised sheet steel, with flanges and guided vanes on both sides.

8-blade impellers made of glass-fibre filled polyamide. Dynamically balanced at two levels, in accordance with performance level 6.3, DIN ISO 1940, Part 1.

Flange holes in accordance with DIN 24154, page 2, 7/66.

DZL 56/6 B and DZL 56/4 B: Flange holes in accordance with DIN 24145, part 2, 7/90.

High degree of protection IP 55.

To prevent transfer of vibrations onto the duct system: Use flexible couplings, feet and vibration dampers.

Can be fitted in any position.

Motor

Asynchronous motor, speed controllable. Exception: Type DZL 40/2 B.

Not suitable for ventilating steam-saturated air.

EZL / DZL duct fans are non reversible.

Three-phase AC motor

DZL series

Rated voltage 400 V, 50 Hz.

Thermal overload protection as a standard feature. Available on request for pole changeable axial duct fans.

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

Pole-changeable motors with speed ratios of 8/4 or 4/2 have a Dahlander pole-changing circuit.

Electrical connection

Terminal box with cable sleeves fitted on the outside.

Safety instructions

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 at extra cost on request:

Special voltages and frequencies.

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

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

|  |  |
| --- | --- |
| Article: | DZL 35/42 B |
| Model: | Stabiliser |
| Air flow volume: | 2.890 m³/h / 5.800 m³/h |
| Speed controllable: | ✔ |
| Reversing capacity: | - |
| Type of voltage: | Three-phase AC |
| Rated voltage: | 400 V |
| Frequency: | 50 Hz |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Pole-changeable: | ✔ |
| Number of poles at high speed: | 2 |
| Number of poles at low speed: | 4 |
| Mains cable: | 7 x 1,5 mm² |
| Installation position: | vertical / horizontal |
| Material: | Sheet steel, galvanised |
| Weight: | 13,6 kg |
| Weight including packaging: | 15,34 kg |
| Nominal size: | 350 mm |
| Width with packaging: | 475 mm |
| Height with packaging: | 495 mm |
| Depth with packaging: | 350 mm |
| Airstream temperature at nominal current: | -20 °C up to 60 °C |
| Airstream temperature at IMax: | -20 °C up to 60 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799860969 |
| Article number: | 0086.0096 |

Manufacturer: MAICO

DZL 35/42 B Axial duct fan