**Axial roof fan DAD 90/4**

Features

Axial roof fan for commercial and industrial buildings as well as large-volume rooms and systems.

Suitable for extracting large volumes of air.

High efficiency.

Low noise level.

Simple installation.

Connection to ducts possible.

Suitable for temperature ranges from -15 °C to +50 °C.

Housing made of epoxy-coated sheet steel.

Axial impeller made of glass fibre-reinforcing polyamide.

Motor

Asynchronous three-phase AC motors.

Protection class IP 55.

IE3 motor.

S1 operating mode (continuous operation).

Speed-controllable with frequency converter.

Permissible frequency range for speed control with frequency converter 20-50 Hz.

The temperature in the fan motor is monitored by PTC thermistors. The PTC thermistors must be connected to a release system, that permanently disconnects the fan from the power supply if the temperature is too high.

Electrical connection

Connection in the terminal box on the motor.

Safety instructions

Connection to terminal block in the housing.

Special versions

The following special versions are available on request, at an extra cost:

Versions with aluminium weather protection hood (max. up to nominal width 800).

Versions with aluminium impellers.

Versions with double polarity.

Technical data

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| Article: | DAD 90/4 |
| Air flow volume: | 45.000 m³/h |
| Air volumenom: | 30.483 m³/h in opt. efficiency |
| Pressure pfs, nom: | 358 Pa in opt. efficiency |
| Rotating speed nnom: | 1.440 1/min in opt. efficiency |
| Rotating speed: | 1.440 1/min |
| Impeller type: | axial |
| Speed controllable: | ✔ |
| Reversing capacity: | - |
| Type of voltage: | Three-phase AC |
| Rated voltage: | 400 V |
| Frequency: | 50 Hz |
| Nominal output: | 9.200 W in opt. efficiency |
| Inom: | 16,71 A in opt. efficiency |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Pole-changeable: | - |
| Installation site: | Roof |
| Installation position: | Vertical |
| Housing material: | Sheet steel, galvanised |
| Impeller material: | Polyamide |
| Colour: | grey |
| Weight: | 210 kg |
| Weight including packaging: | 238 kg |
| Nominal size: | 900 mm |
| Width: | 1.600 mm |
| Height: | 780 mm |
| Depth: | 1.600 mm |
| Width with packaging: | 1.700 mm |
| Height with packaging: | 790 mm |
| Depth with packaging: | 1.700 mm |
| Airstream temperature at IMax: | -15 °C up to 50 °C |
| PTC DIN 44082: | M 100 |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799730774 |
| Article number: | 0073.0077 |

Manufacturer: MAICO

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