**Axial duct fan DAR 80/4 5,5**

Features

Axial duct fan for commercial and industrial ventilation.

Powerful fan for large air volumes.

For easy and direct installation in a duct system.

Can be fitted in any position.

Housing made of sheet steel with epoxy coating.

Speed controllable with frequency converter.

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

Suitable for temperature ranges from -10 °C to +50 °C.

Axial impeller with blades made of glass-fibre reinforced, antistatic polyamide.

Motor

Three-phase AC motor.

Degree of protection IP55.

S1 operating mode (continuous operation).

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.

Speed controllable with frequency converter.

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

Electrical connection

External terminal box on the housing.

Safety instructions

The fan may only be operated only if the protection against accidental contact with the impeller is guaranteed in accordance with DIN EN ISO 13857.

Special versions

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

Versions with aluminium impellers.

Versions with housing made of hot-dip galvanised sheet steel.

Technical data

|  |  |
| --- | --- |
| Article: | DAR 80/4 5,5 |
| Air flow volume: | 31.500 m³/h |
| 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: | 5.500 W |
| Inom: | 10,74 A |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Pole-changeable: | - |
| Installation site: | Duct |
| Installation position: | Horizontal |
| Housing material: | Sheet steel with epoxy coating |
| Impeller material: | Polyamide |
| Colour: | grey |
| Weight: | 90 kg |
| Weight including packaging: | 125 kg |
| Nominal size: | 800 mm |
| Width: | 910 mm |
| Height: | 590 mm |
| Depth: | 910 mm |
| Width with packaging: | 1.140 mm |
| Height with packaging: | 740 mm |
| Depth with packaging: | 1.140 mm |
| Airstream temperature at IMax: | -10 °C up to 50 °C |
| PTC DIN 44082: | M 100 |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799731429 |
| Article number: | 0073.0142 |

Manufacturer: MAICO

DAR 80/4 5,5 Axial duct fan