**Channel fan DPK 31 EC**

Features

Installation in square ventilation channels.

Galvanised housing.

Low energy consumption thanks to EC technology.

Reduced space requirement due to compact dimensions.

Flange profiles fitted on the inlet and outlet sides.

Centrifugal impellers with backward curved blades made of galvanised steel (DN 22-DN 23) or UV-stabilised and glass fibre reinforced, polypropylene (PP) (DN 50-DN 56).

Impeller rests on the motor shaft and is directly driven.

Statically and dynamically balanced in accordance with DIN ISO 21940-11, balance quality G6,3.

Motor impeller can be swivelled out for cleaning purposes.

High degree of protection IP 54.

Use ELP flexible coupling to prevent transmission of vibrations onto the channel system.

Air flow direction

Air flow and rotational direction are marked by arrows on the fan housing.

Clockwise direction of rotation viewed from the intake side.

Motor

Motor designed for continuous operation.

Robust EC motor with ball bearings, maintenance-free.

Thermal motor protection as standard feature.

Integrated motor protection routed via alarm relay.

Speed can be specified in continuously variable manner in control mode using a 0 - 10 V signal or potentiometer.

Status display via LED (DN 50-Dn 56).

Modbus RTU interface.

Integrated 24 V voltage source for optional accessories.

Installation instructions

Installation in horizontal and vertical position possible.

Electrical connection

Depending on model, is connected at terminal box or led-out cable.

50 Hz power frequency.

Technical data

|  |  |
| --- | --- |
| Article: | DPK 31 EC |
| Air flow volume: | 3.500 m³/h |
| Air volumenom: | 2.100 m³/h in opt. efficiency |
| Pressure pfs, nom: | 328 Pa in opt. efficiency |
| Rotating speed nnom: | 1.500 1/min in opt. efficiency |
| Rotating speed: | 1.500 1/min |
| Speed controllable: | ✔ |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 349 W |
| Inom: | 1,6 A |
| Degree of protection: | IP 54 |
| Insulation class: | F |
| Installation site: | Channel |
| Installation position: | any |
| Housing material: | Sheet steel, galvanised |
| Weight: | 31,84 kg |
| Weight including packaging: | 34,52 kg |
| Swivelling fan: | ✔ |
| Channel dimension: | 600 mm x 350 mm |
| Width: | 640 mm |
| Height: | 390 mm |
| Depth: | 700 mm |
| Width with packaging: | 665 mm |
| Height with packaging: | 470 mm |
| Depth with packaging: | 725 mm |
| Airstream temperature: | -20 °C up to 50 °C |
| Packing unit: | 1 piece |
| Range: | E |
| GTIN (EAN): | 4012799868026 |
| Article number: | 0086.0802 |

Manufacturer: MAICO

DPK 31 EC Channel fan