**Sound-insulated channel fan DSK 31 EC**

Features

Installation in square ventilation channels.

Galvanised housing.

With sound absorbing lining to meet the increased requirements for especially low noise levels.

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 35) 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.

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.

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

Thermal motor protection as standard feature.

Integrated motor protection routed via alarm relay.

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

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| Article: | DSK 31 EC |
| Model: | sound-insulated |
| 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: | 38,5 kg |
| Weight including packaging: | 39,02 kg |
| Swivelling fan: |  ✔  |
| Channel dimension: | 600 mm x 350 mm |
| Width: | 680 mm |
| Height: | 390 mm |
| Depth: | 700 mm |
| Width with packaging: | 682 mm |
| Height with packaging: | 447 mm |
| Depth with packaging: | 702 mm |
| Airstream temperature: | -25 °C up to 50 °C |
| Packing unit: | 1 piece |
| Range: | E |
| GTIN (EAN): | 4012799868033 |
| Article number: | 0086.0803 |

Manufacturer: MAICO

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