**Channel fan DPK 28/4 Ex**

Features

MAICO Ex fans fulfil the safety requirements of European Guideline 2014/34/EU for units and protective systems in areas subject to explosion hazards.

richtlinie-in-kraft

The fans fulfil this guideline.

Technical data subject to change without notice.

Type of protection "e": Increased safety

For zones 1 and 2.

Installation in rectangular ventilation channels.

Flange profiles fitted on the inlet and outlet sides.

Galvanised housing with externally fitted terminal box.

Housing is not gas-tight.

Reduced space requirement due to the compact dimensions.

Centrifugal impeller made of galvanised steel, with forward curved blades.

Motor and impeller are statically and dynamically balanced in accordance with DIN ISO 1940, Balance quality 2.5.

Use ELP-Ex flexible coupling to prevent transfer of vibrations onto the channel system.

Air flow direction

Airstream and rotational directions are indicated by arrows marked on the fan housing

Motor

External rotor motors with speed control.

Robust motor with ball bearings, maintenance-free.

Moisture protection impregnation.

Temperature class F.

Motor protection class IP 44.

Electrical connection

Explosion proof terminal boxes, with PG 16 cable screw-connections.

Connecting cable, approx. 0.7 m long.

IP 44 degree of protection.

Safety instructions

The integrated PTC thermistor temperature sensors must be connected to a certified cut-out unit, e.g. MVK 6 motor protection unit.

The fan may only be operated using the rated voltage shown on the rating plate.

Ensure that foreign bodies cannot fall into or be sucked into the fan.

Speed control is only permitted with a transformer.

Special versions

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

Special voltages.

Technical data

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| Article: | DPK 28/4 Ex |
| Air flow volume: | 3.900 m³/h |
| Rotating speed: | 1.370 1/min |
| Speed controllable: |  ✔  |
| Type of voltage: | Three-phase AC |
| Rated voltage: | 400 V |
| Nominal output: | 1.500 W |
| Inom: | 3,15 A |
| Imax: | 3,15 A Required Delta p<sub>st</sub> min = 50 Pa |
| Degree of protection: | IP 44 |
| Mains cable: | 5 x 1,5 mm² |
| Installation site: | Channel |
| Installation position: | horizontal |
| Housing material: | Sheet steel, galvanised |
| Weight: | 39,94 |
| Ambient temperature: | 40 °C |
| IA/IN: | 4 |
| Certified as explosion proof: | Ex-95.D.3381 |
| Terminal box certified as explosion proof: | Ex-95.D.3004U |
| Packing unit: | 1 piece |
| Range: | D |
| GTIN (EAN): | 4012799866428 |
| Article number: | 0086.0642 |

Manufacturer: MAICO

DPK 28/4 Ex Channel fan