**Centrifugal roof fan ERD V 40/4 Ex**

Features

Centrifugal roof fan for applications in areas subject to explosion hazards.

Explosion protection and approvals in accordance with ATEX.

Qualified for all gases and vapours of Ex group IIA and IIB and also for hydrogen.

MAICO Ex fans fulfil the safety requirements of European Directive 2014/34/EU for units and protective systems in potentially explosive atmospheres.

For zone 1 and zone 2

Types of ignition protection: “d” – pressure-proof housing and “c” – constructional safety.

Vertical air outlet.

Low noise level.

Housing made of galvanised sheet steel.

Plastic weather protection hood.

Motor outside of the air flow.

Suitable for temperature ranges from - 20 °C to + 40 °C.

Sturdy eyebolts enable transport by crane.

AC motor

Single-phase AC motor.

Degree of protection IP55.

S1 operating mode (continuous operation).

Temperature class T4.

The temperature in the fan motor is monitored by PTC thermistors. The PTC thermistors must be connected to a triggering system (safety device according to Directive 2014/34/EU), that separates the fan permanently from the power if the temperature gets too hot.

Electrical connection

In the terminal box on the motor.

Cable screw connection, in Ex d version, included in the scope of delivery.

Special versions

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

Versions with an operating frequency for 60 Hz.

Technical data

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| Article: | ERD V 40/4 Ex |
| Air flow volume: | 5.418 m³/h |
| Rotating speed: | 1.460 1/min |
| Impeller type: | radial |
| Speed controllable: | - |
| Reversing capacity: | - |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 550 W |
| Inom: | 4,5 A |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Pole-changeable: | - |
| Installation site: | Roof |
| Installation position: | vertical |
| Material: | Sheet steel, galvanised |
| Housing material: | Sheet steel, galvanised |
| Colour: | grey |
| Weight: | 45 kg |
| Weight including packaging: | 57 kg |
| Nominal size: | 400 mm |
| Width: | 980 mm |
| Height: | 670 mm |
| Depth: | 980 mm |
| Width with packaging: | 1.020 mm |
| Height with packaging: | 715 mm |
| Depth with packaging: | 1.020 mm |
| EX designation in accordance with the ATEX Directive: | Ex II 2 G |
| EX designation in accordance with standard: | Ex db IIB+H2 T4 Gb X / Ex h IIB+H2 T4 Gb X |
| Ta ambient temperature: | -20 °C ≤ Ta ≤ +40 °C |
| Operating mode: | S1 |
| PTC DIN 44082: | M 100 |
| Temperature class: | T4 |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799735472 |
| Article number: | 0073.0547 |

Manufacturer: MAICO

ERD V 40/4 Ex Centrifugal roof fan