**Centrifugal blower GRM 12/2 E Ex**

Features

Centrifugal blower made of metal for applications in areas subject to explosion hazards.

Explosion protection tested in accordance with Directive 2014/34/EU.

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 2.

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

Powerful fans for industrial applications.

For simple and direct mounting on a duct system.

The motor is outside the air flow.

Sheet steel housing.

Standard orientation for LG 270° housing.

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

The intake socket, made of coated sheet steel, is included in the scope of delivery.

Centrifugal impellers with forward curved blades made of galvanised sheet steel.

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

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:

Deviating housing orientation.

Technical data

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| Article: | GRM 12/2 E Ex |
| Air flow volume: | 900 m³/h |
| Rotating speed: | 2.880 1/min |
| Impeller type: | radial |
| Speed controllable: |  -  |
| Reversing capacity: |  -  |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 250 W |
| Inom: | 2,2 A |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Pole-changeable: |  -  |
| Installation site: | Duct connection |
| Installation position: | Horizontal |
| Material: | Sheet steel, galvanised |
| Housing material: | Steel |
| Colour: | grey |
| Weight: | 10 kg |
| Weight including packaging: | 10,6 kg |
| Width: | 300 mm |
| Height: | 272 mm |
| Depth: | 246 mm |
| Width with packaging: | 400 mm |
| Height with packaging: | 335 mm |
| Depth with packaging: | 290 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): | 4012799733843 |
| Article number: | 0073.0384 |

Manufacturer: MAICO

GRM 12/2 E Ex Centrifugal blower