**Axial wall fan EZS 20/4 E Ex e**

Product model

AC motor

Ex II 2G Ex eb IIB+H2 T3 Gb / Ex II 2G Ex h IIB+H2 T3 Gb.

For usage temperatures of -20°C ≤ Ta ≤ +40°C.

Suitable for temperature classes T1 - T3 (200 °C).

Special features

Axial wall fan, explosion-proof, medium: gas.

Explosion protection and approvals in accordance with ATEX and IECEx.

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 zones 1 and 2.

Types of ignition protection: “e”- increased safety and “c”- constructional safety.

IP 64 degree of protection.

Protective grille on the intake side, protection against accidental contact in accordance with DIN EN ISO 13857.

Can be fitted in any position.

Model series

EZQ / DZQ .. Ex e with square wall plate.

EZS / DZS .. Ex e with steel wall ring.

Impeller

Axial impeller made of conductive plastic.

Balance quality of the motor/impeller combination G 6.3 according to category BV-3 in accordance with ISO 14694.

Air flow direction

The air flow direction is marked.

Standard exhaust air mode, air flow direction with air drawn across motor.

AC motor

Shaded-pole motor (with ball bearing, maintenance-free) is installed on the fan, ready for connection.

S1 operating mode (continuous operation).

Non-reversible.

No speed control allowed.

Ensure overload protection with MAICO motor protection switch MVEx 0.4.

Electrical connection

Connecting cable, approx. 1.7 m long.

Separate terminal box, explosion-proof, with cable screw-connections.

EZQ/EZS 20 E Ex .. required safety technology

A motor protection switch is needed to fuse the EZQ/EZS-Ex units.

Maico provides the MVEx 0.4 motor protection switch to monitor the motor current for this purpose.

Special versions

Special voltages are available as special versions on request and at extra cost.

Information on operation at temperatures occasionally below -20°C available upon request.

Feasibility must be checked in each case.

Technical data

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| Article: | EZS 20/4 E Ex e |
| Model: | Steel wall ring |
| Air flow volume: | 440 m³/h |
| Rotating speed: | 1.340 1/min |
| Impeller type: | axial |
| Speed controllable: | - |
| Reversing capacity: | - |
| Type of voltage: | Alternating current |
| Rated voltage: | 230 V |
| Frequency: | 50 Hz |
| Nominal output: | 45 W |
| cosφ: | 0,61 |
| Inom: | 0,33 A |
| Imaxat UNominal: | 0,34 A |
| Degree of protection: | IP 64 |
| Insulation class: | B |
| Installation site: | Wall / Ceiling |
| Type of installation: | Surface-mounted |
| Installation position: | vertical / horizontal |
| Material: | Sheet steel, galvanised |
| Housing material: | Sheet steel, galvanised |
| Colour: | galvanised |
| Weight: | 3,36 kg |
| Weight including packaging: | 4,02 kg |
| Nominal size: | 200 mm |
| Width: | 345 mm |
| Height: | 345 mm |
| Depth: | 170,5 mm |
| Width with packaging: | 320 mm |
| Height with packaging: | 320 mm |
| Depth with packaging: | 280 mm |
| EX designation in accordance with the ATEX Directive: | Ex II 2 G |
| EX designation in accordance with standard: | Ex eb IIB + H<sub>2</sub> T3 Gb / Ex h IIB + H<sub>2</sub> T3 Gb |
| Ta ambient temperature: | -20 °C ≤ Ta ≤ +40 °C |
| IA/IN: | 1,5 |
| Time tE: | 300 sek |
| Operating mode: | S1 |
| EC type examination certificate: | TÜV-A 18ATEX0053 X, IECEx EPS 19.0021X |
| Temperature class: | T3 |
| Temperature class of insulating materials Th. Cl.: | 130 (B) |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799942009 |
| Article number: | 0094.0200 |

Manufacturer: MAICO

EZS 20/4 E Ex e Axial wall fan