**Axial wall fan DAQ 71/4 Ex**

Features

Axial wall 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 2.

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

With square wall plate.

Powerful fan for large air volumes.

Housing and wall plate made of sheet steel.

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

Axial impellers made of glass-fibre reinforced, antistatic polyamide.

Air flow direction

The air flow direction is marked.

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

Motor

Asynchronous three-phase AC motors.

Degree of protection IP55.

S1 operating mode (continuous operation).

Temperature class T4.

Speed controllable with frequency converter.

Permissible frequency range for speed control with frequency converter is 20 Hz to 50 Hz.

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:

Version for supply air mode with air flow direction blown across the motor.

Technical data

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| Article: | DAQ 71/4 Ex |
| Model: | Differentiation in nominal widths and number of poles |
| Air flow volume: | 17.499 m³/h |
| Rotating speed: | 1.440 1/min |
| Impeller type: | axial |
| Speed controllable: |  ✔  |
| Reversing capacity: |  -  |
| Type of voltage: | Three-phase AC |
| Rated voltage: | 400 V |
| Frequency: | 50 Hz |
| Nominal output: | 2.200 W |
| Inom: | 5,5 A |
| Degree of protection: | IP 55 |
| Insulation class: | F |
| Pole-changeable: |  -  |
| Installation site: | Wall / ceiling |
| Installation position: | Horizontal |
| Material: | Sheet steel, galvanised |
| Housing material: | Steel |
| Colour: | Silver |
| Weight: | 35 kg |
| Weight including packaging: | 39 kg |
| Nominal size: | 710 mm |
| Width: | 850 mm |
| Height: | 465 mm |
| Depth: | 850 mm |
| Width with packaging: | 860 mm |
| Height with packaging: | 485 mm |
| Depth with packaging: | 860 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): | 4012799733379 |
| Article number: | 0073.0337 |

Manufacturer: MAICO

DAQ 71/4 Ex Axial wall fan