

# DZS 35/2 B Ex e



## Short description

Axial wall-mounted fan with steel wall ring, DN350, three-phase AC, explosion-proof, medium: gas

## Application examples

Environment with explosion hazard (zone 1 and 2), Dye shop, Battery room, Laboratory, Workplace

Article number 0094.0125

## Technical data

|  |                         |
|--|-------------------------|
| Model                                    | Steel wall ring         |
| Air flow volume                          | 5.460 m <sup>3</sup> /h |
| Rotating speed                           | 2.900 1/min             |
| Impeller type                            | axial                   |
| Speed controllable                       | –                       |
| Reversing capacity                       | ✓                       |
| Type of voltage                          | Three-phase AC          |
| Rated voltage                            | 400 V                   |
| Frequency                                | 50 Hz                   |
| Nominal output                           | 580 W                   |
| cosφ                                     | 0,64                    |
| I <sub>nom</sub>                         | 1,3 A                   |
| I <sub>max</sub> at U <sub>Nominal</sub> | 1,96 A                  |
| Degree of protection                     | IP 64                   |
| Insulation class                         | F                       |
| 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                                   | 10,45 kg                |
| Weight including packaging               | 13,07 kg                |
| Nominal size                             | 350 mm                  |
| Width                                    | 525 mm                  |
| Height                                   | 525 mm                  |
| Depth                                    | 293 mm                  |
| Width with packaging                     | 610 mm                  |
| Height with packaging                    | 610 mm                  |

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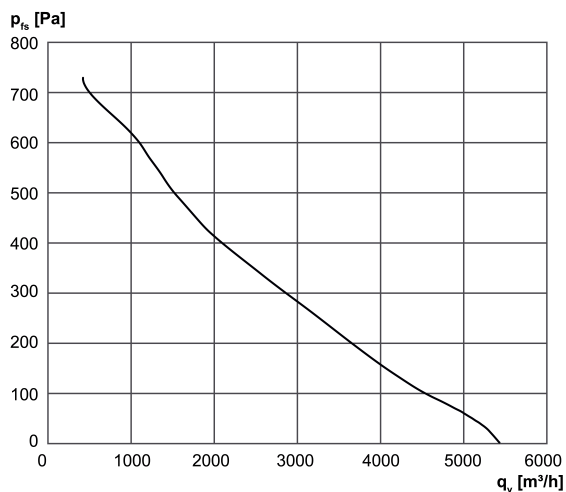
|  |  |
|--|--|
| Depth with packaging                                 | 400 mm   |
| EX designation in accordance with the ATEX Directive | Ex II 2 G  |
| EX designation in accordance with standard           | Ex eb IIB + H <sub>2</sub> T3 Gb / Ex h IIB + H <sub>2</sub> T3 Gb |
| Ta ambient temperature                               | -20 °C ≤ Ta ≤ +60 °C   |
| I <sub>A</sub> /I <sub>N</sub>                       | 6,9  |
| Time t <sub>A</sub>                                  | 35 sek   |
| Operating mode                                       | S1   |
| PTC DIN 44082  | M 100  |
| EC type examination certificate                      | TÜV-A 19 ATEX0102 X, IECEx EPS 19.0018X                            |
| Temperature class                                    | T3   |
| Temperature class of insulating materials Th. Cl.    | 155 (F)  |
| Packing unit   | 1 piece  |
| Range  | C  |
| GTIN (EAN)   | 4012799941255  |

## Sound power level in octave range

|                                   | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|-----------------------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| L <sub>WA7, high</sub><br>(dB(A)) | -     | -      | -      | -      | -     | -     | -     | -     | 90    |

L<sub>WA7</sub>= housing and free inlet sound power level in dB.

## Characteristic curve



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Dimensioned drawing [mm]

- ① Steel wall plate = EZQ/DZQ model
- ② Steel wall ring = EZS/DZS model

