

# DZS 25/2 B



## Short description

Axial wall fan with steel wall ring, DN 250, three-phase AC

## Application examples

Production facility, Commercial premises, Garage, Building container, Storage facility

Article number 0094.0013

## Technical data

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Model                           | Steel wall ring                              |
| Air flow volume                 | 2.120 m <sup>3</sup> /h                      |
| Air volume <sub>nom</sub>       | 1.510 m <sup>3</sup> /h (in opt. efficiency) |
| Pressure p <sub>fs, nom</sub>   | 140 Pa (in opt. efficiency)                  |
| Rotating speed n <sub>nom</sub> | 2.870 1/min (in opt. efficiency)             |
| Impeller type                   | axial                                        |
| Speed controllable              | ✓                                            |
| Reversing capacity              | ✓                                            |
| Type of voltage                 | Three-phase AC                               |
| Rated voltage                   | 400 V                                        |
| Frequency                       | 50 Hz                                        |
| Nominal output                  | 175 W (in opt. efficiency)                   |
| I <sub>nom</sub>                | 0,35 A (in opt. efficiency)                  |
| I <sub>max</sub>                | 0,45 A                                       |
| Degree of protection            | IP 55                                        |
| Insulation class                | B                                            |
| Pole-changeable                 | —                                            |
| Mains cable                     | 7 x 1,5 mm <sup>2</sup>                      |
| Installation site               | Wall / Ceiling                               |
| Type of installation            | Surface-mounted                              |
| Installation position           | horizontal / vertical                        |
| Material                        | Sheet steel, galvanised                      |
| Colour                          | Silver                                       |
| Weight                          | 6,24 kg                                      |
| Weight including packaging      | 6,86 kg                                      |
| Nominal size                    | 250 mm                                       |
| Width                           | 400 mm                                       |
| Height                          | 400 mm                                       |
| Depth                           | 281 mm                                       |

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|                                          |                    |
|------------------------------------------|--------------------|
| Width with packaging                     | 360 mm             |
| Height with packaging                    | 310 mm             |
| Depth with packaging                     | 360 mm             |
| Airstream temperature at nominal current | -20 °C up to 60 °C |
| Airstream temperature at $I_{Max}$       | -20 °C up to 60 °C |
| Packing unit                             | 1 piece            |
| Range                                    | C                  |
| GTIN (EAN)                               | 4012799940135      |

## Technical data according to ErP in Best Efficiency Point (BEP)

|                                                                                            |                                                                                                      |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Total efficiency $\eta$                                                                    | 33,6 %                                                                                               |
| Measurement category                                                                       | A                                                                                                    |
| Efficiency category                                                                        | static                                                                                               |
| Efficiency level N                                                                         | 44,7                                                                                                 |
| VSD necessary                                                                              | No                                                                                                   |
| Year of manufacture                                                                        | see rating plate                                                                                     |
| Manufacturer's name / official registration number / manufacturer's place of establishment | Maico Elektroapparate-Fabrik GmbH / Freiburg registration court, HRB 601233 / Villingen-Schwenningen |
| Art. No.                                                                                   | 0094.0013                                                                                            |
| $P_{BEP}$ / Air volume $_{BEP}$ / $P_{fs, BEP}$                                            | 0,175 kW / 1.510 m <sup>3</sup> /h / 140 Pa                                                          |
| $n_{BEP}$                                                                                  | 2.870 1/min                                                                                          |
| Specific ratio                                                                             | $\approx 1$                                                                                          |
| Information about dismantling and disposal                                                 | see mounting instructions                                                                            |
| Information about installation, operation and repairs                                      | see mounting instructions                                                                            |
| Objects used to measure efficiency which are not described by the measurement category     | -                                                                                                    |
| Sound power level $L_{WA7}$                                                                | 81 dB(A)                                                                                             |

## Sound power level in octave range

|                          | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|--------------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| $L_{WA7, S1}$<br>(dB(A)) | 26    | 35     | 52     | 60     | 59    | 60    | 56    | 46    | 65    |
| $L_{WA7, S2}$<br>(dB(A)) | 30    | 41     | 63     | 63     | 68    | 69    | 66    | 56    | 73    |
| $L_{WA7, S3}$<br>(dB(A)) | 35    | 44     | 65     | 67     | 72    | 71    | 69    | 60    | 77    |
| $L_{WA7, S4}$<br>(dB(A)) | 34    | 47     | 58     | 73     | 75    | 75    | 71    | 63    | 80    |
| $L_{WA7, S5}$<br>(dB(A)) | 36    | 46     | 56     | 74     | 76    | 76    | 72    | 64    | 81    |
| $L_{WA8, S1}$<br>(dB(A)) | 36    | 42     | 53     | 58     | 64    | 65    | 66    | 63    | 71    |

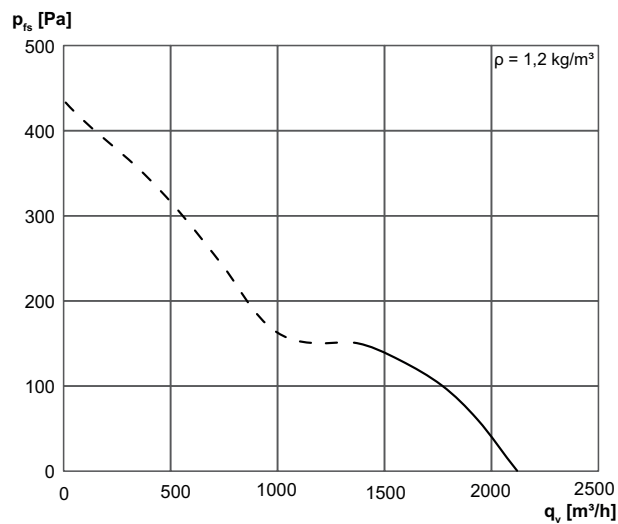
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|                          | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|--------------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| $L_{WA8, S2}$<br>(dB(A)) | 50    | 55     | 63     | 63     | 71    | 72    | 72    | 69    | 77    |
| $L_{WA8, S3}$<br>(dB(A)) | 51    | 57     | 66     | 66     | 73    | 74    | 74    | 70    | 79    |
| $L_{WA8, S4}$<br>(dB(A)) | 54    | 61     | 65     | 74     | 76    | 76    | 76    | 73    | 82    |
| $L_{WA8, S5}$<br>(dB(A)) | 55    | 59     | 62     | 75     | 77    | 78    | 78    | 74    | 84    |

$L_{WA7}$  = housing and free inlet sound power level in dB.

$L_{WA8}$  = housing and free outlet sound power level in dB.

### Characteristic curve



### Dimensioned drawing [mm]

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

