**PRODUCT**DATA SHEET

# EZR 40/4 B

## Short description

Axial duct fan, DN 400, single-phase AC

## Application examples

Machine extraction unit, Showroom, Foreman's office, Workshop, Production site

| | |
|---|---|
| Article number | 0086.0009 |

## Technical data

| | |
|---|---|
| Air flow volume | 4.550 m³/h |
| Air volume$_{nom}$ | 3.258 m³/h (in opt. efficiency) |
| Pressure $p_{fs, nom}$ | 91 Pa (in opt. efficiency) |
| Rotating speed $n_{nom}$ | 1.420 1/min (in opt. efficiency) |
| Rotating speed | 1.449 1/min |
| Impeller type | axial |
| Speed controllable | ✓ |
| Reversing capacity | ✓ |
| Type of voltage | Alternating current |
| Rated voltage | 230 V |
| Frequency | 50 Hz |
| Nominal output | 225 W (in opt. efficiency) |
| $I_{nom}$ | 0,9 A (in opt. efficiency) |
| $I_{max}$ | 1,3 A |
| Degree of protection | IP 55 |
| Insulation class | F |
| Pole-changeable | – |
| Installation position | horizontal / vertical |
| Material | Sheet steel, galvanised |
| Colour | Silver |
| Weight | 11,74 kg |
| Weight including packaging | 13,64 kg |
| Nominal size | 400 mm |
| Width | 438 mm |
| Height | 438 mm |
| Depth | 370 mm |
| Width with packaging | 495 mm |
| Height with packaging | 515 mm |
| Depth with packaging | 400 mm |

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| | |
|---|---|
| Airstream temperature at nominal current | 80 °C |
| Airstream temperature at $I_{Max}$ | 50 °C |
| Packing unit | 1 piece |
| Range | C |
| GTIN (EAN) | 4012799860099 |

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

| | |
|---|---|
| Total efficiency η | 52,3 % |
| Measurement category | D |
| Efficiency category | total |
| Efficiency level N | 63 |
| 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. | 0086.0009 |
| $P_{BEP}$ / Air volume$_{BEP}$ / $P_{fs, BEP}$ | 0,203 kW / 3.980 m³/h |
| $n_{BEP}$ | 1.433 1/min |
| Specific ratio | ≈ 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 | - |
| $p_{f, BEP}$ | 96 Pa |
| Sound power level$L_{WA5}$ | 75 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 |
|---|---|---|---|---|---|---|---|---|---|
| **$L_{WA2}$, S1 (dB(A))** | – | – | – | – | – | – | – | – | 41 |
| **$L_{WA2}$, S2 (dB(A))** | – | – | – | – | – | – | – | – | 51 |
| **$L_{WA2}$, S3 (dB(A))** | – | – | – | – | – | – | – | – | 59 |
| **$L_{WA2}$, S4 (dB(A))** | – | – | – | – | – | – | – | – | 63 |
| **$L_{WA2}$, S5 (dB(A))** | 36 | 58 | 57 | 58 | 59 | 54 | 51 | 36 | 65 |
| **$L_{WA5}$, S1 (dB(A))** | – | – | – | – | – | – | – | – | 56 |
| **$L_{WA5}$, S2 (dB(A))** | – | – | – | – | – | – | – | – | 66 |

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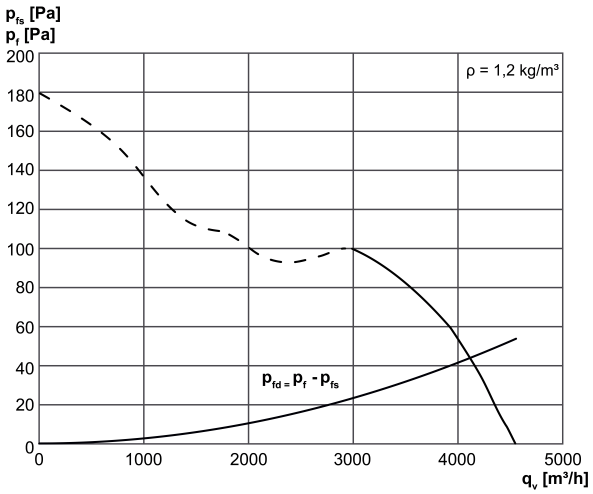
| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|---|---|---|---|---|---|---|---|---|---|
| **$L_{WA5}$, S3 (dB(A))** | – | – | – | – | – | – | – | – | 72 |
| **$L_{WA5}$, S4 (dB(A))** | – | – | – | – | – | – | – | – | 74 |
| **$L_{WA5}$, S5 (dB(A))** | 34 | 63 | 67 | 68 | 69 | 69 | 63 | 52 | 75 |
| **$L_{WA6}$, S1 (dB(A))** | – | – | – | – | – | – | – | – | 56 |
| **$L_{WA6}$, S2 (dB(A))** | – | – | – | – | – | – | – | – | 66 |
| **$L_{WA6}$, S3 (dB(A))** | – | – | – | – | – | – | – | – | 72 |
| **$L_{WA6}$, S4 (dB(A))** | – | – | – | – | – | – | – | – | 74 |
| **$L_{WA6}$, S5 (dB(A))** | 34 | 63 | 67 | 68 | 69 | 69 | 63 | 52 | 75 |

$L_{WA2}$= housing sound power level in dB.
$L_{WA5}$= free inlet sound power level in dB.
$L_{WA6}$= free outlet sound power level in dB.

## Characteristic curve



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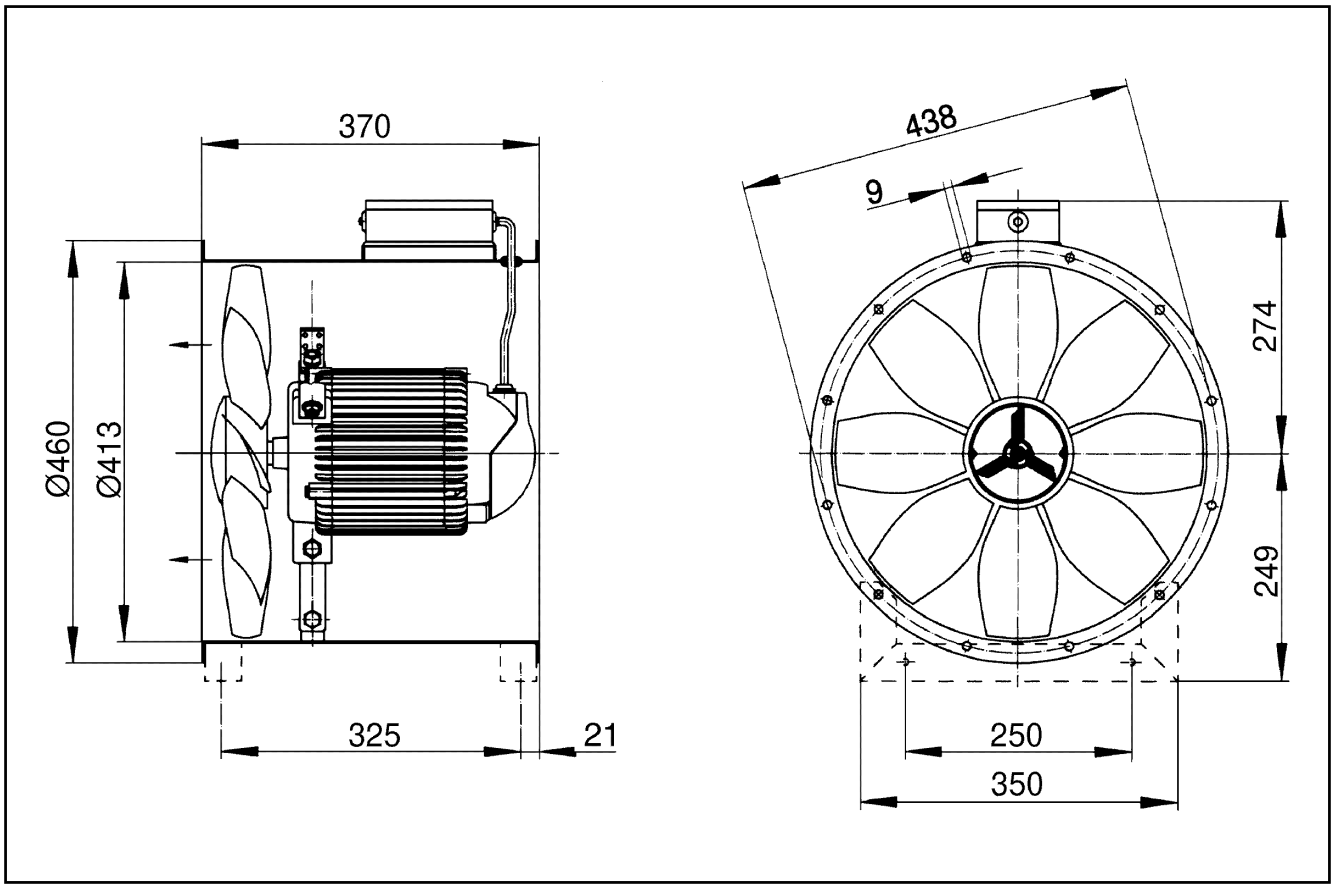
## Dimensioned drawing [mm]




Number of flange holes: 12