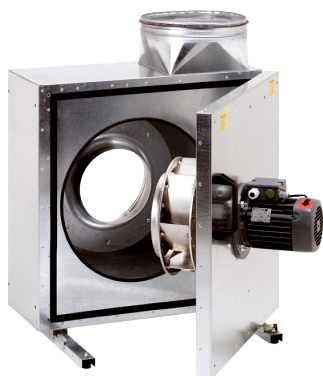


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Short description

Sound-insulated exhaust air box, DN 250, alternating current

Application examples

Extraction hood, Canteen kitchen, Workplace air extraction system, Machine extraction unit

Article number 0080.0883

Technical data

| | |
|---------------------------------|--|
| Air flow volume | 2.500 m ³ /h |
| Air volume _{nom} | 1.518 m ³ /h (in opt. efficiency) |
| Pressure p _{fs, nom} | 581 Pa (in opt. efficiency) |
| Rotating speed n _{nom} | 2.844 1/min (in opt. efficiency) |
| Rotating speed | 1.670 1/min |
| Speed controllable | ✓ |
| Type of voltage | Alternating current |
| Rated voltage | 230 V |
| Frequency | 50 Hz |
| Nominal output | 450 W (in opt. efficiency) |
| I _{nom} | 2 A (in opt. efficiency) |
| I _{max} | 3,2 A |
| Degree of protection | IP X4 |
| Insulation class | F |
| Mains cable | 5 x 1,5 mm ² |
| Installation position | vertical / horizontal |
| Material | Sheet steel, galvanised |
| Housing material | Sheet steel, galvanised |
| Colour | Silver |
| Weight | 37,88 kg |
| Weight including packaging | 46 kg |
| Swivelling fan | ✓ |
| Nominal size | 250 mm |
| Width | 592 mm |
| Height | 687 mm |
| Depth | 567 mm |
| Width with packaging | 750 mm |
| Height with packaging | 735 mm |
| Depth with packaging | 680 mm |

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| | |
|------------------------------------|---------------------|
| Airstream temperature at I_{Max} | -20 °C up to 120 °C |
| Ambient temperature | 80 °C |
| Packing unit | 1 piece |
| Range | C |
| GTIN (EAN) | 4012799808831 |

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

| | |
|--|--|
| Total efficiency η | 51,6 % |
| Measurement category | A |
| Efficiency category | static |
| Efficiency level N | 65,8 |
| 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. | 0080.0883 |
| P_{BEP} / Air volume $_{BEP}$ / $P_{fs, BEP}$ | 0,442 kW / 1.518 m ³ /h / 581 Pa |
| n_{BEP} | 2.844 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 | - |
| I_{BEP} | 1,9 A |
| Sound power level $_{L_{WA5}}$ | 78 dB(A) |

Sound power level in octave range

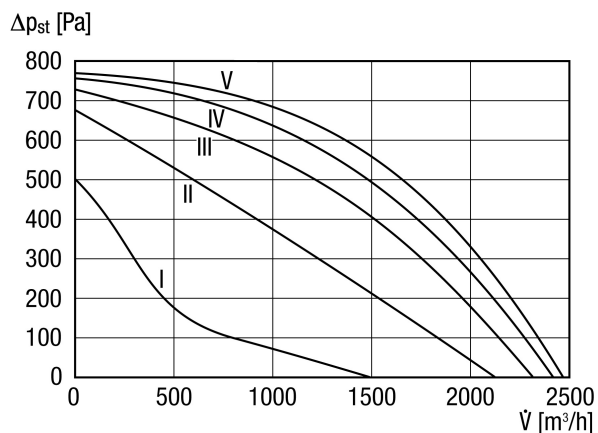
| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|--------------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| $L_{WA2, S1}$ (dB(A)) | 37 | 49 | 53 | 48 | 54 | 52 | 48 | 40 | 59 |
| $L_{WA2, S2}$ (dB(A)) | 42 | 53 | 62 | 56 | 62 | 62 | 59 | 52 | 68 |
| $L_{WA2, S3}$ (dB(A)) | 45 | 55 | 65 | 58 | 64 | 64 | 62 | 55 | 70 |
| $L_{WA2, S4}$ (dB(A)) | 44 | 56 | 65 | 59 | 65 | 65 | 63 | 56 | 71 |
| $L_{WA2, S5}$ (dB(A)) | 47 | 56 | 64 | 60 | 67 | 66 | 65 | 57 | 72 |
| $L_{WA5, S1}$ (dB(A)) | 42 | 55 | 64 | 65 | 61 | 58 | 59 | 52 | 69 |
| $L_{WA5, S2}$ (dB(A)) | 41 | 58 | 73 | 73 | 70 | 68 | 67 | 69 | 78 |

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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)) | 44 | 59 | 75 | 76 | 73 | 70 | 70 | 63 | 81 |
| L_{WA5}, S4 (dB(A)) | 46 | 61 | 76 | 77 | 74 | 71 | 70 | 64 | 82 |
| L_{WA5}, S5 (dB(A)) | 47 | 61 | 77 | 78 | 75 | 72 | 71 | 65 | 83 |
| L_{WA6}, S1 (dB(A)) | 40 | 53 | 60 | 62 | 62 | 63 | 63 | 53 | 69 |
| L_{WA6}, S2 (dB(A)) | 45 | 60 | 69 | 69 | 71 | 72 | 70 | 65 | 78 |
| L_{WA6}, S3 (dB(A)) | 47 | 61 | 74 | 73 | 73 | 75 | 72 | 69 | 81 |
| L_{WA6}, S4 (dB(A)) | 48 | 62 | 75 | 73 | 74 | 75 | 72 | 69 | 81 |
| L_{WA6}, S5 (dB(A)) | 47 | 62 | 77 | 74 | 75 | 76 | 73 | 70 | 83 |

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]

