

ERR 16/1 S



Short description

Centrifugal duct fan, DN 160, alternating current

Application examples

Machine extraction unit, Workplace air extraction system, Production site, Storage facility, Laboratory

Article number 0080.0274

Technical data

| | |
|--|----------------------------|
| Air flow volume | 720 m ³ /h |
| Rotating speed | 2.625 1/min |
| Impeller type | radial |
| Speed controllable | ✓ |
| Reversing capacity | – |
| SEC average | -9 kWh/(m ² *a) |
| Energy efficiency class | F |
| Type of voltage | Alternating current |
| Rated voltage | 230 / 220 V |
| Frequency | 50 Hz/60 Hz |
| Nominal output | 112 W |
| I _{max} | 0,5 A |
| Degree of protection | IP X4 |
| Insulation class | F |
| Pole-changeable | – |
| Installation position | vertical / horizontal |
| Material | Sheet steel, powder coated |
| Housing material | Sheet steel, powder coated |
| Colour | Light grey |
| Weight | 4,31 kg |
| Weight including packaging | 5,16 kg |
| Nominal size | 160 mm |
| Width | 250 mm |
| Height | 237 mm |
| Depth | 210 mm |
| Width with packaging | 390 mm |
| Height with packaging | 390 mm |
| Depth with packaging | 300 mm |
| Airstream temperature at nominal current | -20 °C up to 60 °C |

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| | |
|------------------------------------|--------------------|
| Airstream temperature at I_{Max} | -20 °C up to 60 °C |
| Packing unit | 1 piece |
| Range | C |
| GTIN (EAN) | 4012799802747 |

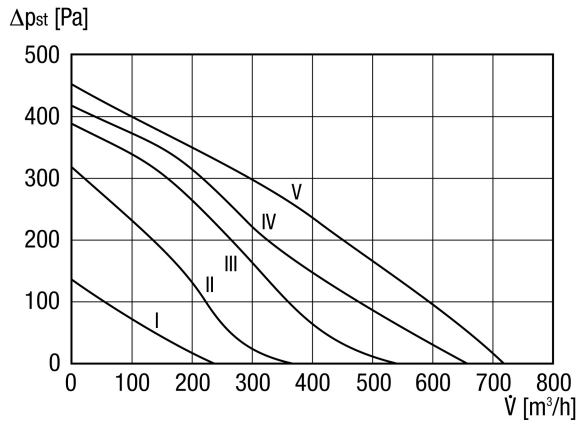
Sound power level in octave range

| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|--|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| L_{WA2}, S1 (dB(A)) | 15 | 30 | 22 | 22 | 24 | 14 | 8 | 9 | 32 |
| L_{WA2}, S2 (dB(A)) | 17 | 33 | 30 | 33 | 31 | 32 | 19 | 6 | 39 |
| L_{WA2}, S3 (dB(A)) | 25 | 37 | 37 | 42 | 41 | 43 | 39 | 22 | 48 |
| L_{WA2}, S4 (dB(A)) | 28 | 41 | 40 | 45 | 45 | 46 | 43 | 29 | 52 |
| L_{WA2}, S5 (dB(A)) | 30 | 42 | 43 | 47 | 48 | 49 | 46 | 34 | 54 |
| L_{WA5}, S1 (dB(A)) | 19 | 27 | 51 | 44 | 42 | 34 | 22 | 8 | 52 |
| L_{WA5}, S2 (dB(A)) | 29 | 37 | 50 | 53 | 54 | 51 | 42 | 28 | 58 |
| L_{WA5}, S3 (dB(A)) | 36 | 43 | 58 | 62 | 64 | 60 | 59 | 44 | 68 |
| L_{WA5}, S4 (dB(A)) | 38 | 47 | 59 | 65 | 68 | 64 | 63 | 49 | 72 |
| L_{WA5}, S5 (dB(A)) | 37 | 49 | 60 | 67 | 70 | 67 | 66 | 53 | 74 |
| L_{WA6}, S1 (dB(A)) | 20 | 32 | 49 | 36 | 39 | 33 | 21 | 5 | 50 |
| L_{WA6}, S2 (dB(A)) | 28 | 37 | 55 | 47 | 50 | 49 | 40 | 26 | 57 |
| L_{WA6}, S3 (dB(A)) | 34 | 44 | 62 | 56 | 61 | 59 | 56 | 43 | 67 |
| L_{WA6}, S4 (dB(A)) | 37 | 48 | 61 | 62 | 66 | 64 | 61 | 49 | 70 |
| L_{WA6}, S5 (dB(A)) | 38 | 49 | 62 | 64 | 68 | 66 | 63 | 53 | 72 |

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.

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Characteristic curve



Dimensioned drawing [mm]

