

DZD 50/6 B Ex e



Short description

Axial roof fan, horizontal air outlet, DN500, three-phase AC, explosion-proof, medium: gas

Application examples

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

Article number 0087.0806

Technical data

| | |
|--|--------------------------------|
| Air flow volume | 3.870 m³/h |
| Rotating speed | 950 1/min |
| Impeller type | axial |
| Air direction | Ventilation and air extraction |
| Speed controllable | ✓ |
| Reversing capacity | ✓ |
| Type of voltage | Three-phase AC |
| Rated voltage | 400 V |
| Frequency | 50 Hz |
| Nominal output | 180 W |
| cosφ | 0,45 |
| I _{nom} | 0,58 A |
| I _{max} at U _{Nominal} | 0,65 A |
| Degree of protection | IP 64 |
| Insulation class | F |
| Installation site | Roof |
| Installation position | vertical |
| Material | Sheet steel, galvanised |
| Housing material | Sheet steel, galvanised |
| Colour | galvanised |
| Weight | 33 kg |
| Weight including packaging | 40 kg |
| Nominal size | 500 mm |
| Width | 940 mm |
| Height | 420 mm |
| Depth | 940 mm |
| Width with packaging | 941 mm |
| Height with packaging | 510 mm |
| Depth with packaging | 941 mm |

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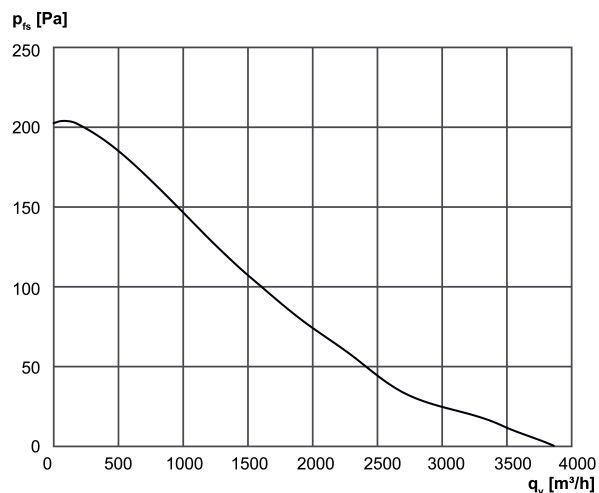
| | |
|--|--|
| EX designation in accordance with the ATEX Directive | Ex II 2 G |
| EX designation in accordance with standard | Ex eb IIB + H ₂ T4 Gb / Ex h IIB + H ₂ T4 Gb |
| Ta ambient temperature | -20 °C ≤ Ta ≤ +40 °C |
| I _A /I _N | 3 |
| Time t _A | 240 sek |
| Operating mode | S1 |
| PTC DIN 44082 | M 100 |
| EC type examination certificate | TÜV-A 19 ATEX0104 X, IECEx EPS 19.0020X |
| Temperature class | T4 |
| Temperature class of insulating materials Th. Cl. | 155 (F) |
| Packing unit | 1 piece |
| Range | C |
| GTIN (EAN) | 4012799878063 |

Sound power level in octave range

| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | Total |
|-----------------------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| L _{WA5, high} (dB(A)) | – | – | – | – | – | – | – | – | 77 |

L_{WA5}= free inlet sound power level in dB.

Characteristic curve



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Dimensioned drawing [mm]

