

ERM 18 Ex t



Short description

Semi-centrifugal duct fan, DN 180, single-phase AC 230 V/50 Hz, explosion-proof, medium: dust

Article number 0080.0466

Technical data

| | |
|--|---|
| Air flow volume | 310 m ³ /h |
| Rotating speed | 2.780 1/min |
| Speed controllable | – |
| Type of voltage | Alternating current |
| Rated voltage | 230 V |
| Frequency | 50 Hz |
| Nominal output | 50 W |
| cosφ | 0,9 |
| I _{nom} | 0,25 A |
| I _{max} at U _{Nominal} | 0,25 A |
| Degree of protection | IP 64 |
| Insulation class | B |
| Mains cable | 3 x 1,5 mm ² |
| Housing material | Synthetic material |
| Impeller material | Synthetic material |
| Colour | Signal black, similar to RAL 9004 |
| Weight | 3,54 kg |
| Weight including packaging | 4,11 kg |
| Nominal size | 180 mm |
| Width | 262 mm |
| Height | 252 mm |
| Depth | 187 mm |
| Width with packaging | 255 mm |
| Height with packaging | 190 mm |
| Depth with packaging | 240 mm |
| EX designation in accordance with the ATEX Directive | Ex II 2 D |
| EX designation in accordance with standard | Ex tb IIIC T135°C Db IP64 / Ex h IIIC T135°C Db |
| Ta ambient temperature | -20 °C ≤ Ta ≤ +50 °C |
| I _A /I _N | 2,5 |

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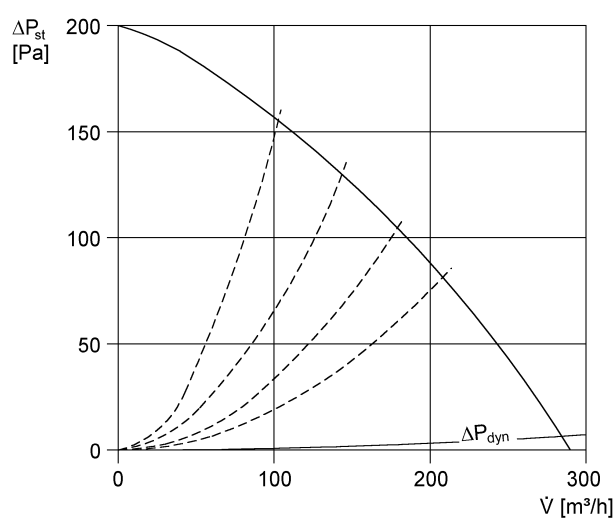
| | |
|---|--|
| Time t_E | 50 sek |
| Operating mode | S1 |
| EC type examination certificate | TÜV-A 18ATEX0052 X, IECEx EPS 19.0025X |
| Temperature class | T135°C |
| Capacitor capacity / voltage | 3 μ F/280V |
| Temperature class of insulating materials Th. Cl. | 130 (B) |
| Packing unit | 1 piece |
| Range | G |
| GTIN (EAN) | 4012799804666 |

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, S5} (dB(A)) | 32 | 46 | 54 | 58 | 61 | 58 | 54 | 48 | 65 |

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

Characteristic curve



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Dimensioned drawing [mm]

