

GRK R 35/6 D Ex



Short description

Centrifugal blower made of plastic with round exhaust opening, 6-pole, size 350, three-phase AC, explosion-proof, medium: gas

Application examples

Environment with explosion hazard (Zone 2), Workplace air extraction system, Fume cupboard, Digestorium

Article number 0073.0451

Technical data

| | |
|--|--|
| Air flow volume | 2.100 m³/h |
| Rotating speed | 960 1/min |
| Impeller type | radial |
| Speed controllable | ✓ |
| Reversing capacity | – |
| Type of voltage | Three-phase AC |
| Rated voltage | 400 V |
| Frequency | 50 Hz |
| Nominal output | 180 W |
| I _{nom} | 0,76 A |
| Degree of protection | IP 55 |
| Insulation class | F |
| Pole-changeable | – |
| Installation site | Duct connection |
| Installation position | Horizontal |
| Housing material | Plastic, polyethylene |
| Impeller material | Plastic, polypropylene |
| Colour | Black |
| Weight | 51 kg |
| Weight including packaging | 74 kg |
| Width | 567 mm |
| Height | 715 mm |
| Depth | 597 mm |
| Width with packaging | 1.200 mm |
| Height with packaging | 800 mm |
| Depth with packaging | 870 mm |
| EX designation in accordance with the ATEX Directive | Ex II 3 G |
| EX designation in accordance with standard | Ex db IIB+H2 T4 Gb X / Ex h IIB+H2 T4 Gb X |
| Ta ambient temperature | -20 °C ≤ Ta ≤ +40 °C |

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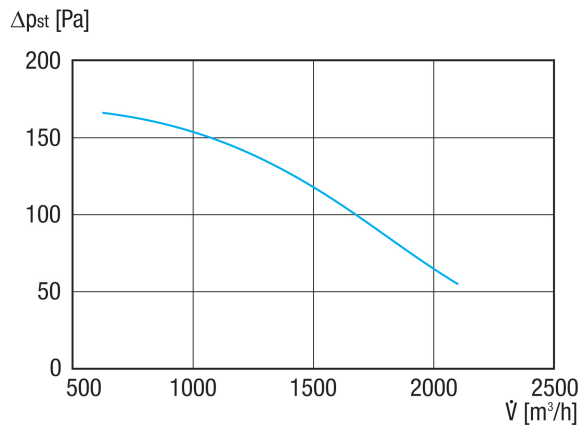
| | |
|-------------------|---------------|
| Operating mode | S1 |
| PTC DIN 44082 | M 100 |
| Temperature class | T4 |
| Packing unit | 1 piece |
| Range | C |
| GTIN (EAN) | 4012799734512 |

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)) | 40,5 | 55,6 | 58,1 | 61,5 | 63,7 | 59,9 | 51,7 | 41,6 | 68 |

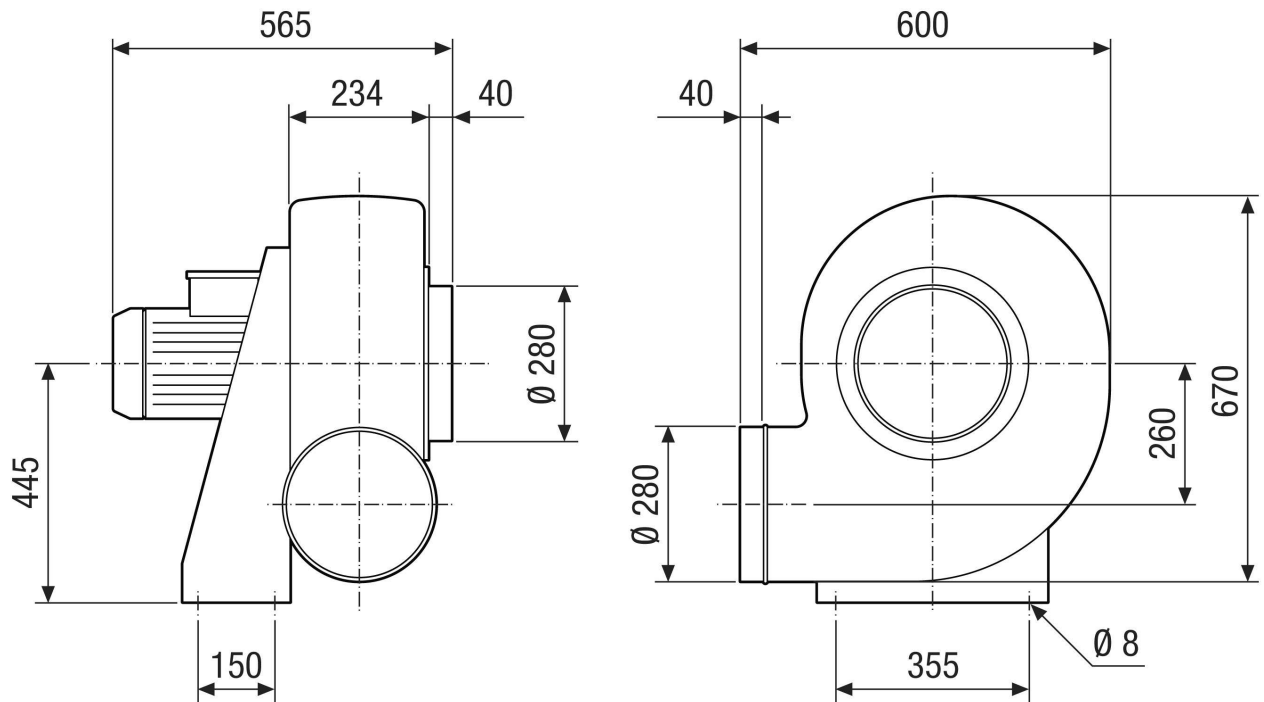
L_{WA5}= free inlet sound power level in dB.

Characteristic curve



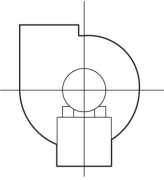
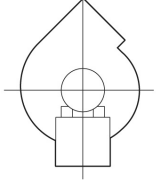
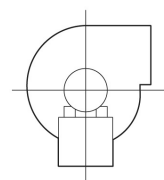
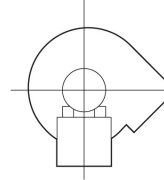
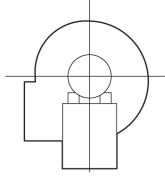
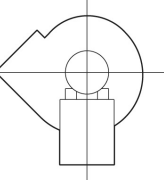
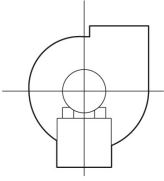
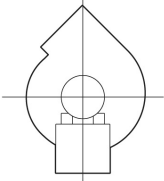
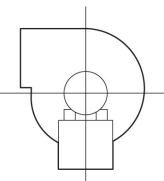
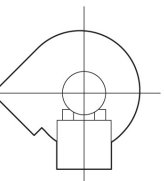
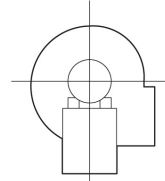
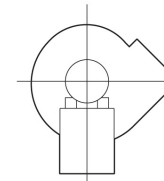
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Dimensioned drawing [mm]



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Dimensioned drawing Housing orientation [mm]

| | | | | | | |
|---|--|--|--|---|--|--|
| ① |  |  |  |  |  |  |
| | 0° | 45° | 90° | 135° | 270° | 315° |
| ② |  |  |  |  |  |  |

- ① Right-hand version
- ② Left-hand version