

max. 505 m³/h

DC centrifugal fans

Series RER 160 NTD 165 Ø x 51 mm



Highlights:

- Control inputs, alarm and speed signals available on request.
- 3-phase fan drive with high degree of running smoothness.
- High pressure build-up.
- Backward curved impeller.

General characteristics:

- Fibreglass-reinforced plastic scroll housing and impeller; Housing base of steel plate.
- Fully integrated electronic commutation.
- Direction of air flow: axial air intake, centrifugal air exhaust out of the outlet.
- Connection via single strands AWG 22, TR 64. Bared and tin-plated.
- Mass: 590 g.

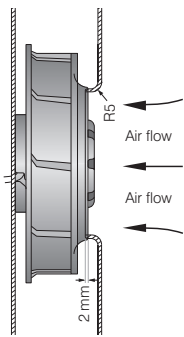
| Nominal data | | Air flow | Air flow | Nominal voltage | Voltage range | Sound power level | Sinter sleeve bearings Ball bearings | Power input | Nominal speed | Temperature range | Service life L ₁₀ (40 °C) ebm-papst Standard | Service life L ₁₀ (T _{max}) ebm-papst Standard | Life expectancy L ₁₀ Δ (40 °C) see P. 15 | Curve | Specials |
|--------------|------------------------|-------------------|----------|-----------------|---------------|-------------------|---|-------------|---------------|-------------------|--|--|--|-------|----------|
| Type | | m ³ /h | CFM | VDC | VDC | Bel(A) | ■ / ■ | Watts | RPM | °C | Hours | Hours | | P. | |
| NEW | RER 160-28/14N/2TDA | 370 | 217 | 24 | 16...28 | 7,4 | ■ | 51 | 4 200 | -20...+60 | 55 000 / 27 500 | 110 000 | 2 | | |
| NEW | RER 160-28/18N/2TDHHP* | 505 | 297,5 | 48 | 36...60 | 8,5 | ■ | 142 | 6 000 | -20...+65 | 40 000 / 22 500 | 80 000 | 3 | | |
| min. max. | RER 160-28/18 NTD... | 66 | 18,3 | 48 | 38...57 | — | ■ | 2,0 | 800 | -20...+70 | 55 000 / 27 500 | 110 000 | 1 | | |
| | | 354 | 98,3 | | | | | 43,0 | 4 200 | | | | 2 | | |

Model RER 160-28/18 NTD... is available in customer-specific, custom-developed variant only.

The data specified here are technically feasible benchmark values. The fans can be specially adapted to your application with signal outputs and control inputs.

*The specific service life is valid when an external capacitor is wired between the plus and minus strands.

Please note the wiring suggestion.



The air flow and noise level of fans without external housing depends on the installation conditions. The stated air flow and noise levels have been measured under the following conditions:
Centrifugal fan mounted on a base plate 260 x 260 mm.
Cover plate 260 x 260 mm with an air inlet of Ø 100 mm, concentric to the impeller.

