

Max. 360 m³/h

S-Force

DC centrifugal fans

Ø 165 x 51 mm



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| <ul style="list-style-type: none"> – Material: Impeller: GRP¹⁾ – Direction of air flow: Axial: Intake,
Centrifugal: Exhaust – Direction of rotation: Clockwise,
looking towards rotor – Connection: via single wires AWG 22, TR 64 – Highlights: Highly efficient and smoothly
operating 3-phase fan drive
Backward-curved impeller – Weight: 590 g | <ul style="list-style-type: none"> – Possible special versions:
(See chapter DC fans - specials) - Speed signal - Go / NoGo alarm - Alarm with speed limit - External temperature sensor - Internal temperature sensor - PWM control input - Analog control input - Humidity protection - Degree of protection: IP 54 |
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1) Fiberglass-reinforced plastic

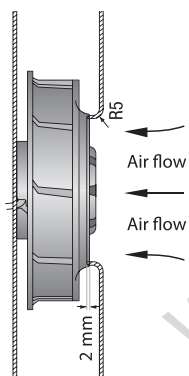
Series RER 160 NTD													
Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound power level	Sinter sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L ₁₀ (40 °C) ebm-papst standard	Service life L ₁₀ (T _{max}) ebm-papst standard	Life expectancy L ₁₀ (PC (40 °C) see page 17	Curve
Type	m³/h	cfm	VDC	VDC	Bel(A)	■ / ■	Watts	rpm ⁻¹	°C	Hours	Hours	Hours	
RER 160-28/14 NTD...	360	211	24	16...28	7.4	■	51	4 200	-20...+60	55 000 / 27 500	92 500	92 500	②
RER 160-28/18 NTD...	360	211	48	38...57	7.4	■	48	4 200	-20...+70	55 000 / 27 500	92 500	92 500	①

Subject to change

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

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

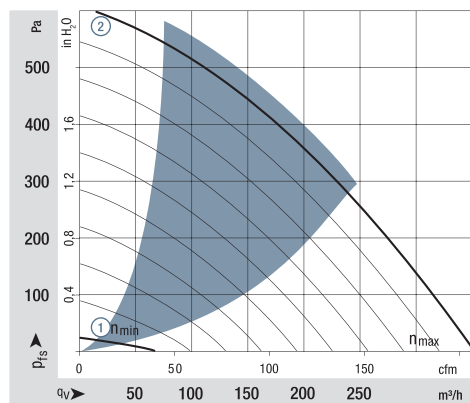
* The specific service life is valid when an external capacitor is wired between the positive and negative wires. Please note the wiring suggestion.



The air flow and sound level of the centrifugal fans without external housing depend on their individual installation conditions.

The stated air flow and sound level were recorded under the following measurement parameters:

- Centrifugal fan mounted on a foundation plate 260 x 260 mm.
- Cover plate 260 x 260 mm, with an air inlet opening $\varnothing$ 100 mm, arranged concentrically to the impeller.



Air performance measured according to: ISO 5801.

Installation category A, with ebm-papst inlet ring without contact protection.

Noise: Total sound power level L_{WA} ISO 103002
measured on a hemisphere with a distance of 2 m;
Sound pressure level L_pA measured at 1 m distance from
fan axis.

The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions.

In the event of deviation from the standard configuration,
the parameters must be checked after installation!

For detailed information see
<http://www.ebmpapst.com/general-conditions>

