max. 274 m³/h

AC centrifugal fans

Ø 176 x 54 mm



- **Material:** Spiral housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
  with steel plate reinforced
- **Direction of air flow:** centrifugal
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Connection:** Via 2 single wires AWG 18
- **Highlights:** backwards-curved impeller
- **Mass:** 1,0 kg

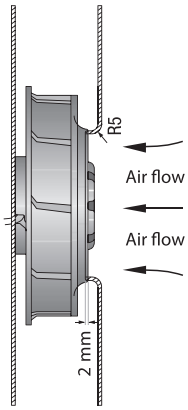
- **Possible special versions:**
  (See page 12)
  - Humidity protection

1) Fibreglass-reinforced plastic

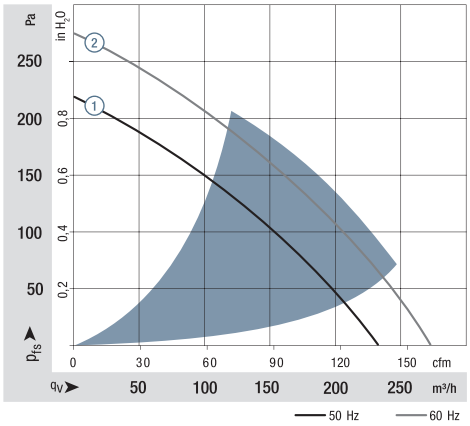
Series RER 160

Nominal data	Air flow	Air flow	Nominal voltage	Frequency	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} at 40 °C	at T_{max}	Curve
Type	**m³/h**	**cfm**	**VAC**	**Hz**	**Bel(A)**	□/■	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
RER 160-28/56S	234	138	**230**	**50**	6,6	■	45,0	2 800	-30...+60	30 000 / 20 000		①
RER 160-28/06S	274	161	**115**	**60**	6,8	■	46,0	3 250	-30...+70	30 000 / 15 000		②

Subject to alterations



The air flow and noise level of fans without external housing depend 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.



Air performance measured as per: ISO 5801,
Installation category A, with ebm-papst inlet nozzle without protection against accidental contact.
Noise: Total sound power level L_{WA} ISO 103002 measured on half-sphere of 2 m;
Sound pressure level L_{pA} measured at 1 m distance to fan axis.
The acoustic values given are only valid for the described measurement set-up and may vary depending on the installation situation.
In case of any deviation to the standard setup, the values have to be checked and reviewed once installed or fitted.
For detailed information see
http://www.ebmpapst.com/general conditions

