max. 104 m^3/h

DC centrifugal fans

Series REF 100 104 Ø x 25 mm

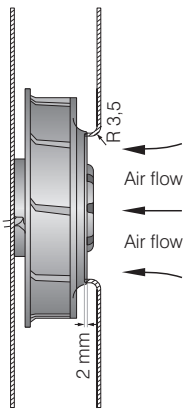
Highlights:

- Pressure-optimised blower.
- Very flat and powerful centrifugal fan.
- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.
- Backward curved impeller.

General characteristics:

- Fibreglass-reinforced plastic scroll housing and impeller.
- Fully integrated electronic commutation.
- Protected against reverse polarity and locking.
- Direction of air flow radial, direction of rotation clockwise, seen on rotor.
- Connection via single strands AWG 22, TR 64. Bared and tin-plated.
- Mass: 160 g

Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound power level	Sintec 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 $L_{10\Delta}$ (40 °C) see P. 15	Curve	Specials
Type	**m^3/h**	**CFM**	**VDC**	**VDC**	**Bel(A)**	**□/■**	**Watts**	**RPM**	**°C**	**Hours**		**Hours**	**P. 110**	
REF 100-11/12	86	50,6	**12**	8...15	6,3	■	7,5	5 400	-20...+75	80 000 / 30 000		135 000	1	/2
REF 100-11/14	86	50,6	**24**	16...30	6,3	■	7,5	5 400	-20...+75	80 000 / 30 000		135 000	1	/2
REF 100-11/18	86	50,6	**48**	36...60	6,3	■	7,5	5 400	-20...+75	80 000 / 30 000		135 000	1	/2
REF 100-11/18 H	104	61,2	**48**	36...56	6,9	■	14,8	6 700	-20...+70	67 500 / 30 000		120 000	2	



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 127 x 127 mm. Cover plate 127 x 127 mm with an air inlet of Ø 70 mm, concentric to the impeller.