DC centrifugal fans

Ø 104 x 25 mm



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: Backward-curved impeller

Weight:

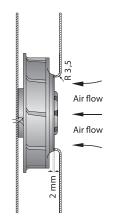
- Possible special versions:

(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
- Moisture protection
- Degree of protection: IP 54

1) Fiberglass-reinforced plastic

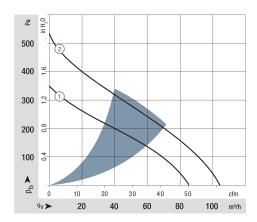
Series REF 100 Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound power level	Sintec sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L ₁₀ (40 °C) ebm-papst standard Service life L ₁₀ (T _{max}) ebm-papst standard	Life expectancy L _{10IPC} (40 °C) see page 17	Curve
Туре	m³/h	cfm	VDC	VDC	Bel(A)	■/■	Watts	rpm⁻¹	°C	Hours	Hours	
												<u> </u>
REF 100-11/12	86	50.6	12	815	6.3	-	7.5	5 400	-20+75	80 000 / 30 000	135 000	1
REF 100-11/14	86	50.6	24	1630	6.3		7.5	5 400	-20+75	80 000 / 30 000	135 000	1
DEE 400 44440											40=000	@
REF 100-11/18	86	50.6	48	3660	6.3		8.2	5 400	-20+75	80 000 / 30 000	135 000	1
REF 100-11/18 H	104	61.2	48	3656	6.9		14.8	6 700	-20+70	67 500 / 32 500	115 000	2
Subject to change												



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 127 x 127 mm.

Cover plate 127 x 127 mm, with an air inlet opening Ø 70 mm, arranged concentrically to the impeller.



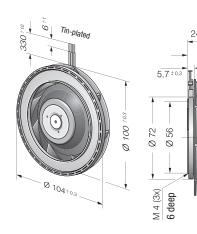
Air performance measured according to: ISO 5801. Installation category A, with ebm-papst inlet ring without contact protection.

Noise: Total sound power level L_WA ISO 103002 measured on a hemisphere with a distance of 2 m:

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



22,4 ±0,4

2016-01