Max. 170 m³/h

DC axial fans

Ø 127 mm



- **Material:** Housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counterclockwise, looking towards rotor
- **Connection:** Via single wires AWG 24, TR 64
- **Highlights:** Ball bearings and sleeve bearings available
  Optional:
  - Reversible direction of rotation
  - Symmetrical impeller
- **Weight:** 170 g

1) Fiberglass-reinforced plastic

- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / NoGo alarm
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analog control input
  - Moisture protection
  - Reversible direction of rotation
  - Symmetrical impeller

Series 4400 F round **Nominal data**		Air flow	Air flow	**Nominal voltage**	Voltage range	Sound pressure level	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)	Curve
	Type	**m³/h**	**cfm**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	□ / ■	**Watts**	**rpm⁻¹**	**°C**	**Hours**	**Hours**	
NEW	4412 FGL-573	91	54	**12**	7...15	26	3.9	■	1.2	1 600	-20...+75	80 000 / 32 500	135 000	①
NEW	4412 FGML*	114	67	**12**	7...12.6	32	4.3	■	2.0	1 950	-20...+75	75 000 / 30 000	127 500	③
NEW	4412 FGM*	140	82	**12**	7...12.6	38	4.8	■	3.2	2 400	-20...+75	75 000 / 27 500	117 500	③
NEW	4412 FG*	170	100	**12**	8...12.6	43	5.3	■	5.3	2 900	-20...+60	60 000 / 37 500	102 500	④

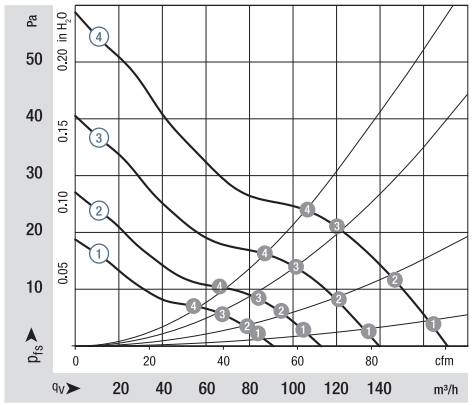
Subject to change

* On request

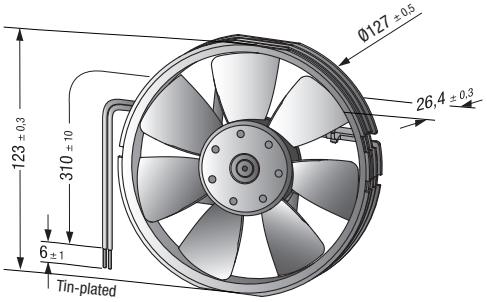
Other voltage versions (24 VDC, 48 VDC), speed variations and ball bearing designs are available as additional variants.

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)
①	❶	1515	1	44
①	❷	1516	1	38
①	❸	1547	1	40
①	❹	1567	1	39
②	❶	1856	2	50
②	❷	1848	2	44
②	❸	1882	2	44
②	❹	1929	2	46

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)
③	❶	2225	4	51
③	❷	2235	4	50
③	❸	2304	4	51
③	❹	2369	4	52
④	❶	2670	6	59
④	❷	2685	6	59
④	❸	2783	6	56
④	❹	2869	6	57



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 10302 measured on a hemisphere with a radius 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 parametersmust be checked after installation!
For detailed information see
http://www.ebmpapst.com/general conditions



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