Max. 170 m³/h

DC axial fans

☐ 119 x 25 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
- **Weight:** 175 g

- **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

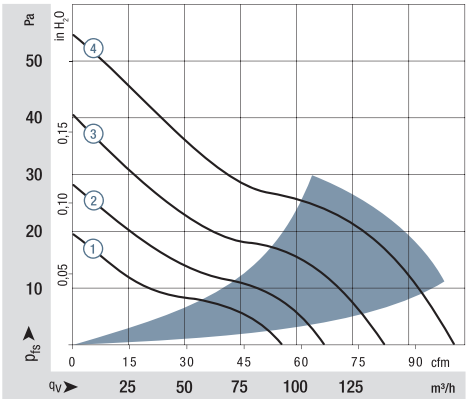
1) Fiberglass-reinforced plastic

Series 4400 F

Nominal data

Type	Air flow m³/h	Air flow cfm	Nominal voltage VDC	Voltage range VDC	Sound pressure level dB(A)	Sound power level Bel(A)	Sintec sleeve bearings / Ball bearings □/■	Power consumption Watts	Nominal speed rpm⁻¹	Temperature range °C	Service life L_{10} (40 °C) ebm-papst standard / Service life L_{10} (T_{max}) ebm-papst standard Hours	Life expectancy L_{10IPC} (40 °C) see page 17 Hours	Curve
4412 FGL	94	55	**12**	7...14	26	3.9	□	1.3	1 600	-20...+75	80 000 / 32 500	135 000	①
4412 FGML	114	67	**12**	7...12.6	32	4.3	□	2.0	1 950	-20...+75	75 000 / 30 000	127 500	②
4412 FML	114	67	**12**	7...12.6	32	4.3	■	2.0	1 950	-20...+75	75 000 / 30 000	127 500	②
4412 FGM	140	82	**12**	7...12.6	38	4.8	□	3.2	2 400	-20...+75	70 000 / 27 500	117 500	③
4412 FM	140	82	**12**	7...12.6	38	4.8	■	3.2	2 400	-20...+75	70 000 / 27 500	117 500	③
4412 FG	170	100	**12**	8...12.6	43	5.3	□	5.3	2 900	-20...+60	60 000 / 37 500	102 500	④
4412 F	170	100	**12**	8...12.6	43	5.3	■	5.3	2 900	-20...+60	60 000 / 37 500	102 500	④
4414 FL	94	55	**24**	18...28	26	3.9	■	1.2	1 600	-20...+75	80 000 / 32 500	135 000	①
4414 FM	140	82	**24**	12...28	38	4.8	■	3.1	2 400	-20...+75	70 000 / 27 500	117 500	③
4414 FG	170	100	**24**	12...28	43	5.3	□	5.0	2 900	-20...+60	60 000 / 37 500	102 500	④
4414 F	170	100	**24**	12...28	43	5.3	■	5.0	2 900	-20...+60	60 000 / 37 500	102 500	④
4418 FG	170	100	**48**	28...53	43	5.3	□	5.4	2 900	-20...+60	60 000 / 37 500	102 500	④
4418 F	170	100	**48**	28...53	43	5.3	■	5.4	2 900	-20...+60	60 000 / 37 500	102 500	④

Subject to change



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 103002 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 parameters must be checked after installation!
For detailed information see
http://www.ebmpapst.com/general conditions

Available as an option:
Fan housing with molded-in spacers

