Max. 102 m³/h

DC axial fans

☐ 92 x 25 mm



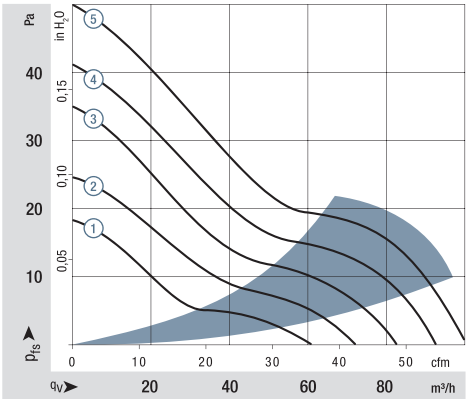
- **Material:** Housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counterclockwise, looking towards rotor
- **Connection:** Via single wires AWG 24, TR 64
- **Weight:** 100 g

- **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
  - Degree of protection: IP 54 / IP 68

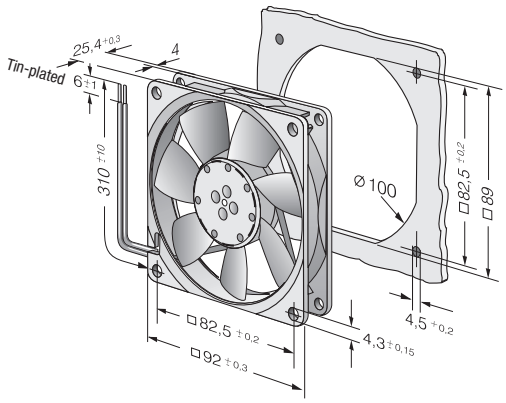
1) Fiberglass-reinforced plastic

Series 3400 N **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) see page 17	Curve
Type	**m³/h**	**cfm**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	□ / ■	**Watts**	**rpm⁻¹**	**°C**	**Hours**	**Hours**	
3412 NGLE	61	35.9	**12**	8...15	23	4.0	□	1.1	1 950	-20...+80	80 000 / 22 500	135 000	①
3412 NLE	61	35.9	**12**	8...15	23	4.0	■	0.8	1 950	-20...+85	80 000 / 17 500	135 000	①
3412 NGME	72	42.4	**12**	8...15	28	4.3	□	1.6	2 300	-20...+75	75 000 / 27 500	127 500	②
3412 NME	72	42.4	**12**	8...15	28	4.3	■	1.1	2 300	-20...+75	75 000 / 27 500	127 500	②
3412 NG	84	49.4	**12**	8...15	32	4.7	□	1.9	2 700	-20...+70	70 000 / 35 000	117 500	③
3412 N	84	49.4	**12**	8...15	32	4.7	■	1.7	2 700	-20...+70	70 000 / 35 000	117 500	③
3412 NGH	94	55.3	**12**	8...15	36	5.0	□	2.3	3 000	-20...+70	70 000 / 35 000	117 500	④
3412 NH	94	55.3	**12**	8...15	36	5.0	■	2.1	3 000	-20...+70	70 000 / 35 000	117 500	④
3412 NGHH	102	60.0	**12**	8...13.2	39	5.1	□	3.2	3 250	-20...+60	70 000 / 45 000	117 500	⑤
3412 NHH	102	60.0	**12**	8...13.2	39	5.1	■	2.9	3 250	-20...+60	70 000 / 45 000	117 500	⑤
3412 NHH-379	102	60.0	**12**	8...15	39	5.1	■	2.7	3 250	-20...+70	70 000 / 35 000	117 500	⑤
3414 NGL	61	35.9	**24**	18...28	23	4.0	□	1.4	1 950	-20...+70	80 000 / 40 000	135 000	①
3414 NL	61	35.9	**24**	18...28	23	4.0	■	1.1	1 950	-20...+70	80 000 / 40 000	135 000	①
3414 NGM	72	42.4	**24**	18...28	28	4.3	□	1.7	2 300	-20...+70	75 000 / 37 500	127 500	②
3414 NM	72	42.4	**24**	18...28	28	4.3	■	1.4	2 300	-20...+70	75 000 / 37 500	127 500	②
3414 NG	84	49.4	**24**	18...28	32	4.7	□	2.5	2 700	-20...+70	70 000 / 35 000	117 500	③
3414 N	84	49.4	**24**	18...28	32	4.7	■	2.1	2 700	-20...+70	70 000 / 35 000	117 500	③
3414 NGH	94	55.3	**24**	18...26	36	5.0	□	3.0	3 000	-20...+70	70 000 / 35 000	117 500	④
3414 NH	94	55.3	**24**	18...26	36	5.0	■	2.3	3 000	-20...+70	70 000 / 35 000	117 500	④
3414 NGHH	102	60.0	**24**	18...26	39	5.1	□	3.2	3 250	-20...+70	70 000 / 35 000	117 500	⑤
3414 NGHH-389	102	60.0	**24**	18...28	39	5.1	□	3.2	3 250	-20...+70	70 000 / 35 000	117 500	⑤
3414 NHH	102	60.0	**24**	18...26	39	5.1	■	3.1	3 250	-20...+70	70 000 / 35 000	117 500	⑤
3414 NHH-386	102	60.0	**24**	18...28	39	5.1	■	3.2	3 250	-20...+70	70 000 / 35 000	117 500	⑤
3418 N	84	49.4	**48**	36...56	32	4.7	■	2.4	2 700	-20...+70	70 000 / 35 000	117 500	③

Other 48 VDC models on request.



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



Finger guards from p. 242

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