

Max. 79 m³/h

DC axial fans

□ 80 x 25 mm



- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Counterclockwise, looking towards rotor
- **Connection:** Via single wires AWG 24, TR 64
- **Highlights:** Some models are suitable for use at high ambient temperatures up to 85 °C.
- **Weight:** 95 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 8400 N

Nominal data

	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter 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 ₁₀ (40 °C) see page 17	Curve
Type	m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	□ / ■	Watts	rpm ⁻¹	°C	Hours	Hours	Hours	
8412 NGLE	33	19.4	12	8...15	12	3.5	□	0.5	1 500	-20...+85	80 000 / 27 500	135 000	135 000	①
8412 NLE	33	19.4	12	8...15	17	3.7	■	0.3	1 500	-20...+85	80 000 / 27 500	135 000	135 000	①
8412 NGMLE	45	26.5	12	8...15	19	3.9	□	0.9	2 050	-20...+80	80 000 / 32 500	135 000	135 000	②
8412 NMLE	45	26.5	12	8...15	21	4.0	■	0.6	2 050	-20...+85	80 000 / 27 500	135 000	135 000	②
8412 NGME	58	34.1	12	8...15	26	4.3	□	1.4	2 600	-20...+75	80 000 / 35 000	135 000	135 000	③
8412 NME	58	34.1	12	8...15	27	4.4	■	1.0	2 600	-20...+75	80 000 / 35 000	135 000	135 000	③
8412 NG	69	40.6	12	8...15	32	4.7	□	2.0	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8412 N	69	40.6	12	8...15	32	4.7	■	1.7	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8412 NH	79	46.5	12	8...13.2	37	5.0	■	2.1	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8412 NH-217	79	46.5	12	8...15	37	5.0	■	2.5	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8414 NGL	33	19.4	24	18...28	12	3.5	□	0.9	1 500	-20...+70	80 000 / 40 000	135 000	135 000	①
8414 NL	33	19.4	24	18...28	17	3.7	■	0.8	1 500	-20...+70	80 000 / 40 000	135 000	135 000	①
8414 NGML	45	26.5	24	18...28	19	3.9	□	1.2	2 050	-20...+70	80 000 / 40 000	135 000	135 000	②
8414 NML	45	26.5	24	18...28	21	4.0	■	1.1	2 050	-20...+70	80 000 / 40 000	135 000	135 000	②
8414 NGM	58	34.1	24	18...28	26	4.3	□	1.4	2 600	-20...+70	80 000 / 40 000	135 000	135 000	③
8414 NM	58	34.1	24	18...28	27	4.4	■	1.4	2 600	-20...+70	80 000 / 40 000	135 000	135 000	③
8414 NG	69	40.6	24	18...28	32	4.7	□	2.2	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8414 N	69	40.6	24	18...28	32	4.7	■	1.8	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④
8414 NH	79	46.5	24	18...26	37	5.0	■	2.4	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8414 NH-221	79	46.5	24	18...28	37	5.0	■	2.2	3 600	-20...+70	70 000 / 35 000	117 500	117 500	⑤
8418 N	69	40.6	48	36...56	32	4.7	■	2.0	3 100	-20...+70	70 000 / 35 000	117 500	117 500	④

