

Max. 58 m³/h

DC axial fans

□ 80 x 25 mm

Information

DC axial fans

DC centrifugal fans

DC fans - specials

ACmaxx / EC fans

AC axial fans

AC centrifugal fans

Accessories

Representatives



- 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:** Automatic speed adjustment with temperature sensor
- Weight:** 95 g
- Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go / NoGo alarm
 - External temperature sensor
 - Internal temperature sensor
 - Moisture protection

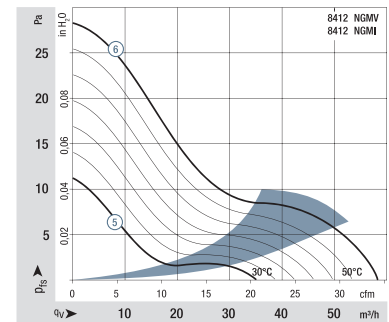
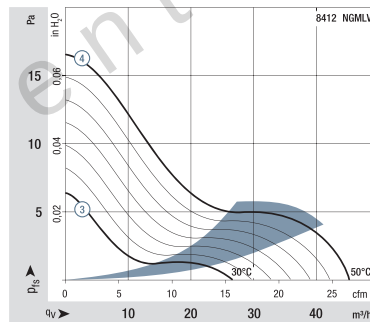
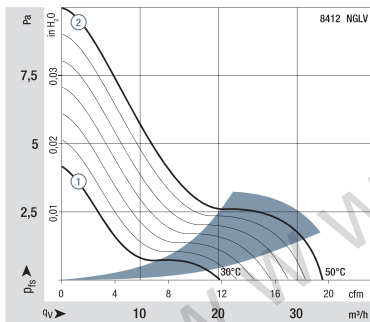
1) Fiberglass-reinforced plastic

Series 8400 N
VARIOFAN

Nominal data

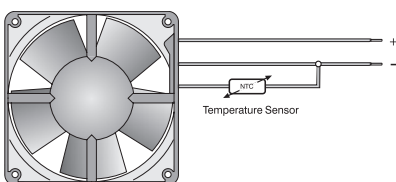
Type	Air flow m³/h	Air flow cfm	Nominal voltage VDC	Voltage range VDC	Sound pressure level dB(A)	Sound power level Bel(A)	Sinter sleeve bearings Ball bearings	Power consumption Watts	Nominal speed rpm ⁻¹	Temperature range °C	Service life L ₁₀ (40 °C) ebm-papst standard Hours	Service life L ₁₀ (T _{max}) ebm-papst standard Hours	Life expectancy L ₁₀ IPC (40 °C) see page 17 Hours	Curve
30 °C 50 °C	20 33	11.8 19.4	12	10...14	< 10 12	< 3 3.5	□	0.9 1.1	900 1 500	-20...+65	80 000 / 45 000	135 000	135 000	① ②
30 °C 50 °C	27 45	15.9 26.6	12	8...14	< 10 19	3.0 3.9	□	1.1 1.5	1 200 2 050	-20...+65	80 000 / 45 000	135 000	135 000	③ ④
30 °C 50 °C	35 58	20.6 34.1	12	8...14	< 13 26	3.5 4.3	□	1.4 2.0	1 600 2 600	-20...+65	80 000 / 45 000	135 000	135 000	⑤ ⑥

Subject to change



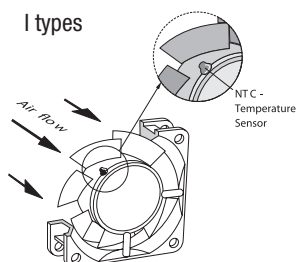
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 103002 measured on half-sphere of 2 m; Sound pressure level L_{pA} measured at 1 m distance from fan axis.
The values given are applicable only under the specified 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>

V types



The temperature sensor for controlling the motor speed is not included in the scope of delivery.
For the temperature sensor LZ 370, see accessories.

I types



The temperature sensor (NTC resistor) for controlling the motor speed is positioned in the fan hub directly in the air flow.

