Information

DC axial fans

DC centrifugal fans

DC fans - specials

ACmaxx / EC fans

AC axial fans

AC centrifugal fans

Accessories

Representatives

Max. 58 m³/h

DC axial fans
□ 80 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:** 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
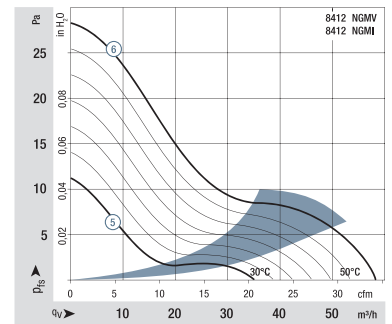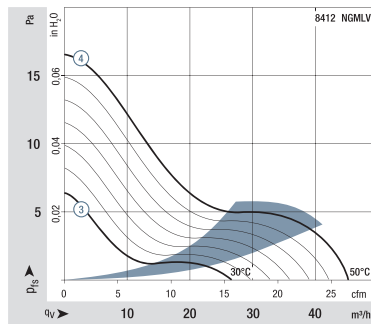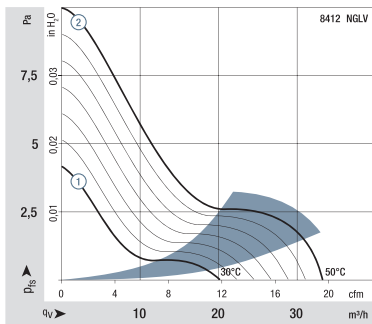 - Internal temperature sensor
  - Moisture protection

1) Fiberglass-reinforced plastic
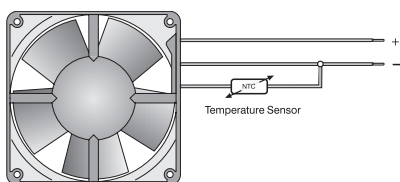
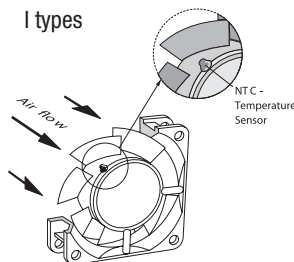| Series 8400 N VARIOFAN	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L_{10} (40 °C) ebm-papst standard	Service life L_{10} (T_{max}) ebm-papst standard	Life expectancy L_{10IPC} (40 °C) see page 17	Curve
Nominal data														
Type	m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	□ / ■	Watts	rpm⁻¹	°C	Hours	Hours		
30°C▼50°C 8412 NGLV	20	11.8	12	10...14	< 10	< 3	■	0.9	900	-20...+65	80 000 / 45 000		135 000	①
	33	19.4			12	3.5		1.1	1 500					②
30°C▼50°C 8412 NGMLV	27	15.9	12	8...14	< 10	3.0	■	1.1	1 200	-20...+65	80 000 / 45 000		135 000	③
	45	26.6			19	3.9		1.5	2 050					④
30°C▼50°C 8412 NGMI	35	20.6	12	8...14	< 13	3.5	■	1.4	1 600	-20...+65	80 000 / 45 000		135 000	⑤
	58	34.1			26	4.3		2.0	2 600					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
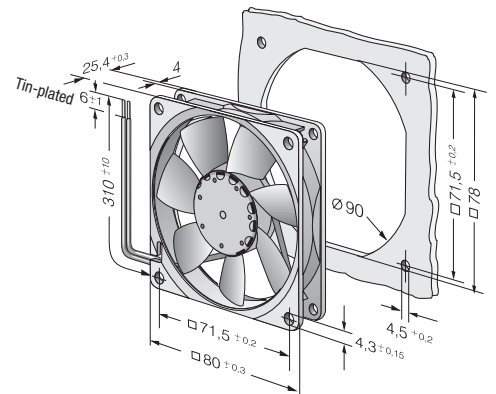
V types

Temperature Sensor

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

NTC - Temperature Sensor

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

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