

Max. 170 m³/h

DC axial fans

□ 119 x 32 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:** Clockwise, looking towards rotor
- **Connection:** Via single wires AWG 22, TR 64
- **Highlights:** Speed automatically adjusted to cooling requirement
- **Weight:** 220 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

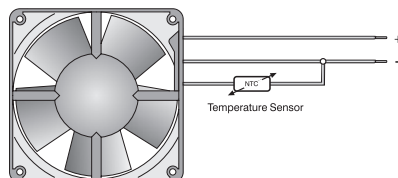
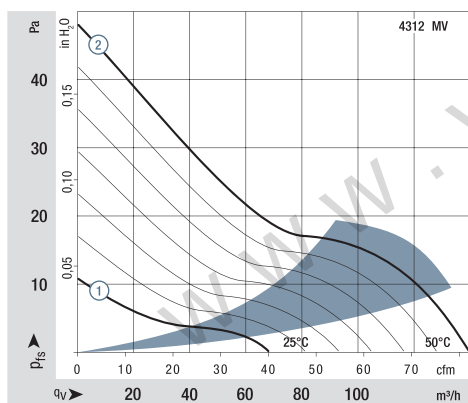
1) Fiberglass-reinforced plastic

Series 4300
VARIOFAN

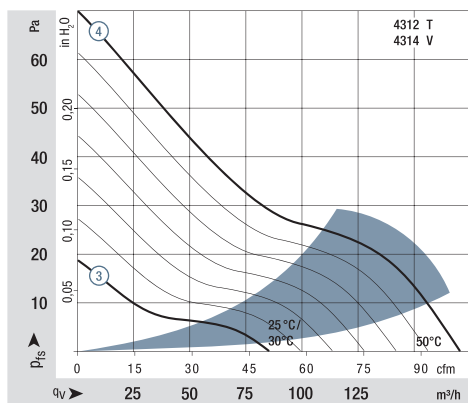
Nominal data

Series 4300 VARIOFAN		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 IPC (40 °C) see page 17	Curve
		Nominal data													
Type		m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	■ / ■	Watts	rpm ⁻¹	°C	Hours	Hours		
25°C 50°C	4312 MT	65	38	12	8...15	25	3.9	■	1.1	1 100	-20...+65	70 000 / 40 000	117 500		①
		138	81			39	5.3		3.3	2 300					
25°C 50°C	4312 T	85	50	12	8...13.2	29	4.2	■	1.7	1 400	-20...+65	65 000 / 35 000	110 000		③
		170	100			45	5.8		5.0	2 800					
30°C 50°C	4314 T	85	50	24	18...32	29	4.2	■	1.6	1 400	-20...+65	65 000 / 35 000	110 000		③
		170	100			45	5.8		4.8	2 800					

Subject to change



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



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>

Rotor protrusion max. 0.4 mm.

