

max. 204 m³/h

DC axial fans

□ 119 x 32 mm



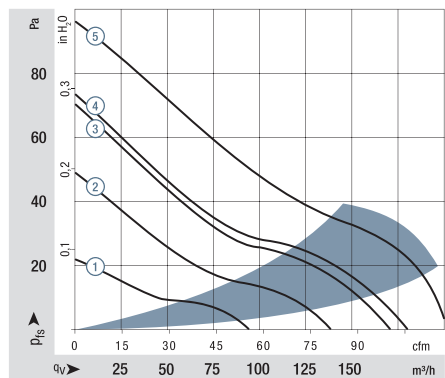
- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, seen on rotor
- **Connection:** Via single wires AWG 22, TR 64
- **Highlights:** Ball bearings and sleeve bearings available
- **Mass:** 220 g
- **Possible special versions:** (See chapter DC fans - specials)
 - Speed signal
 - Go- / NoGo-alarm
 - Alarm with limit speed
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analog control input
 - Humidity protection
 - Salt fog protection
 - Degree of protection: IP 54 / IP 68

1) Fibreglass-reinforced plastic

Series 4300															
Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings	Ball bearings	Input power	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
Type	m³/h	cfm	VDC	VDC	dB(A)	Bel(A)	□/■	Watts	rpm	°C	Hours	Hours	Hours	Hours	
4312 GL	95	56	12	6...15	30	4,3	□	1,2	1 550	-20...+75	80 000 / 35 000	135 000	135 000	135 000	①
4312 L	95	56	12	6...15	30	4,3	■	1,2	1 550	-20...+75	80 000 / 35 000	135 000	135 000	135 000	①
4312 GM	140	82	12	6...15	39	5,3	□	3,1	2 300	-20...+75	70 000 / 30 000	117 500	117 500	117 500	②
4312 M	140	82	12	6...15	39	5,3	■	3,1	2 300	-20...+75	70 000 / 30 000	117 500	117 500	117 500	②
4312 G	170	100	12	6...15	45	5,8	□	5,0	2 800	-20...+70	62 500 / 30 000	105 000	105 000	105 000	③
4312	170	100	12	6...15	45	5,8	■	5,0	2 800	-20...+70	62 500 / 30 000	105 000	105 000	105 000	③
4312-179	204	120	12	6...13,2	51	6,4	■	9,4	3 400	-20...+65	47 500 / 27 500	80 000	80 000	80 000	⑤
4314 L	95	56	24	12...28	30	4,3	■	1,2	1 550	-20...+75	80 000 / 35 000	135 000	135 000	135 000	①
4314 M	140	82	24	12...28	39	5,3	■	2,8	2 300	-20...+75	70 000 / 30 000	117 500	117 500	117 500	②
4314 G	170	100	24	12...28	45	5,8	□	4,7	2 800	-20...+75	62 500 / 27 500	105 000	105 000	105 000	③
4314	170	100	24	12...28	45	5,8	■	5,0	2 800	-20...+75	62 500 / 27 500	105 000	105 000	105 000	③
4314-147	180	106	24	12...28	47	6,1	■	4,7	3 000	-20...+75	57 500 / 25 000	80 000	80 000	80 000	④
4314-180	204	120	24	12...26	51	6,4	■	8,5	3 400	-20...+70	45 000 / 22 500	75 000	75 000	75 000	⑤
4318 M	140	82	48	36...56	39	5,3	■	3,6	2 300	-20...+75	70 000 / 30 000	117 500	117 500	117 500	②
4318	170	100	48	36...53	45	5,8	■	5,1	2 800	-20...+75	62 500 / 27 500	105 000	105 000	105 000	③
Subject to alterations															

Subject to alterations

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Air performance measured as per: ISO 5801, Installation category A, without accidental contact.
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 to fan axis.
The acoustic values are only valid for the described measurement set-up and may vary depending on the installation situation.
In case of any deviation to the standard setup, the values have to be checked and reviewed once installed or fitted.
For detailed information see <http://www.elbm-papst.com/general-conditions>

Rotor protrusion max. 0.4 mm.

