Max. 190 m³/h

S-Panther

DC axial fans

☐ 119 x 32 mm



- **Material:** Housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via single wires AWG 24, TR 64
- **Weight:** 250 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
  - Salt spray protection
  - Degree of protection: IP 54 / IP 68

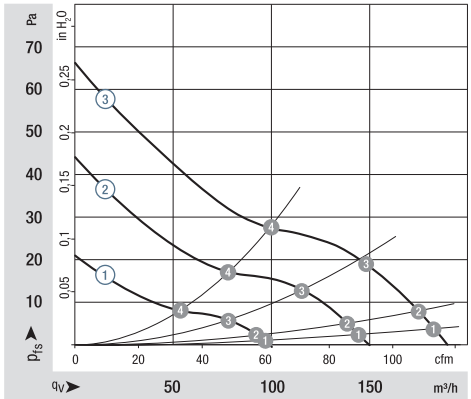
1) Fiberglass-reinforced plastic

Series 4300 N **Nominal data**		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)	Curve
	Type	**m³/h**	**cfm**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	**□ / ■**	**Watts**	**rpm⁻¹**	**°C**	**Hours**		**Hours**	
NEW	4312 NL	100	59	**12**	6...15	25	3,9	■	0,9	1 450	-20...+75	95 000 / 37 500		160 000	①
NEW	4312 NM	150	88	**12**	6...15	36	4,7	■	2,2	2 100	-20...+75	85 000 / 32 500		142 000	②
NEW	4312 NN	190	112	**12**	6...15	43	5,4	■	4,3	2 700	-20...+75	72 500 / 30 000		122 000	③
NEW	4314 NL	100	59	**24**	12...28	25	3,9	■	1,0	1 450	-20...+75	95 000 / 37 500		160 000	①
NEW	4314 NM	150	88	**24**	12...28	36	4,7	■	2,4	2 100	-20...+75	85 000 / 32 500		142 000	②
NEW	4314 NN	190	112	**24**	12...28	43	5,4	■	4,1	2 700	-20...+75	72 500 / 30 000		122 000	③
NEW	4318 NN	190	112	**48**	36...60	43	5,4	■	4,3	2 700	-20...+75	72 500 / 30 000		122 000	③

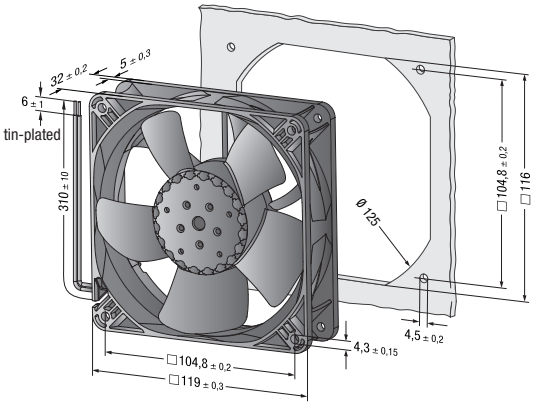
Subject to change

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)	L_{10} (40 °C)	L_{10} (T_{max})	L_{10IPC} (40 °C)
①	❶	1 410	0.9	41	95 000	37 500	160 000
①	❷	1 400	0.9	40	92 500	37 500	155 000
①	❸	1 430	0.9	39	92 500	37 500	155 000
①	❹	1 440	0.9	44	90 000	35 000	152 500
②	❶	2 150	2.2	49	85 000	32 500	142 000
②	❷	2 140	2.3	48	82 500	32 500	140 000
②	❸	2 110	2.3	47	82 500	32 500	140 000
②	❹	2 140	2.3	54	80 000	32 500	135 000

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)	L_{10} (40 °C)	L_{10} (T_{max})	L_{10IPC} (40 °C)
③	❶	2 660	4.2	55	72 500	30 000	122 000
③	❷	2 660	4.3	55	70 000	27 500	117 500
③	❸	2 600	4.4	54	70 000	27 500	117 500
③	❹	2 620	4.4	54	65 000	25 000	110 000



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 10302 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



ebm-papst St. Georgen GmbH & Co. KG, Hermann-Papst-Straße 1, 78112 St. Georgen,
Phone +49 7724 81-0, info2@de.ebmpapst.com

ebmpapst

Max. 285 m³/h

S-Panther

DC axial fans

☐ 119 x 32 mm



- **Material:** Housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via single wires AWG 24, TR 64
- **Weight:** 250 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
  - Salt spray protection
  - Degree of protection: IP 54 / IP 68

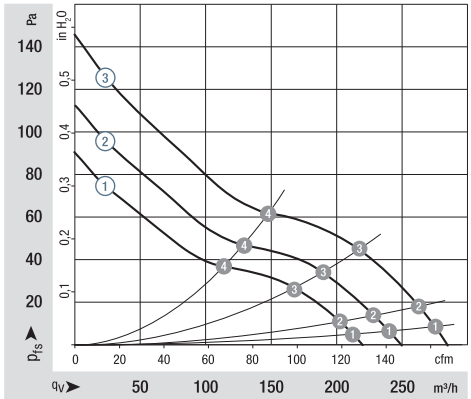
1) Fiberglass-reinforced plastic

Series 4300 N **Nominal data**		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)	Curve
	Type	**m³/h**	**cfm**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	□ / ■	**Watts**	**rpm⁻¹**	**°C**	**Hours**		**Hours**	
NEW	4312 NH	220	129	12	6…15	47	5.8	■	7.6	3 150	-20…+75	62 500 / 25 000		105 000	①
NEW	4312 NHH	250	147	12	6…14.4	51	6.2	■	9.4	3 600	-20…+70	52 500 / 27 500		87 500	②
NEW	4312 NH3	285	168	12	7…13.2	55	6.6	■	12	4 050	-20…+70	45 000 / 17 500		75 000	③
NEW	4314 NH	220	129	24	12...28	47	5.8	■	6.7	3 150	-20…+75	62 500 / 25 000		105 000	①
NEW	4314 NHH	250	147	24	12...27	51	6.2	■	9.8	3 600	-20…+70	52 500 / 27 500		87 500	②
NEW	4314 NH3	285	168	24	14...26.4	55	6.6	■	11	4 050	-20…+70	45 000 / 17 500		75 000	③
NEW	4318 NH	220	129	48	36...60	47	5.8	■	6.7	3 150	-20…+75	62 500 / 25 000		105 000	①
NEW	4318 NH3	285	168	48	36...52.8	55	6.6	■	11.5	4 050	-20…+65	45 000 / 17 500		75 000	③

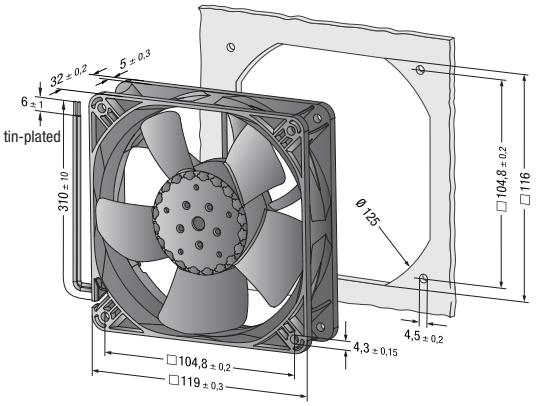
Subject to change

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)	L_{10} (40 °C)	L_{10} (T_{max})	L_{10IPC} (40 °C)
①	❶	3 180	6.8	60	60 000	25 000	102 500
①	❷	3 150	6.9	60	57 500	22 500	97 500
①	❸	3 100	7.0	58	57 500	22 500	97 500
①	❹	3 140	6.9	64	57 500	22 500	97 500
②	❶	3 600	10	65	50 000	25 000	85 000
②	❷	3 540	10	63	47 500	25 000	80 000
②	❸	3 480	10	62	45 000	22 500	75 000
②	❹	3 500	10	63	50 000	25 000	85 000

		n rpm⁻¹	P_{ed} W	Lw_A dB(A)	L_{10} (40 °C)	L_{10} (T_{max})	L_{10IPC} (40 °C)
③	❶	4 070	12	67	42 500	17 500	72 500
③	❷	4 030	12	66	37 500	15 000	62 500
③	❸	3 960	12	66	37 500	15 000	62 500
③	❹	4 020	12	70	45 000	17 500	75 000



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 10302 measured on a hemisphere with a radius of 2 m.
Sound pressure level L_pA measured at 1 m distance from fan axis.
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ebm-papst St. Georgen GmbH & Co. KG, Hermann-Papst-Straße 1, 78112 St. Georgen,
Phone +49 7724 81-0, info2@de.ebmpapst.com