Max. 180 m³/h

AC axial fans

☐ 119 x 38 mm

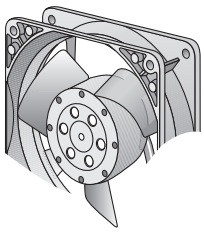


- **Material:** Housing: Die-cast aluminum
  Impeller: painted sheet steel
- **Direction of air flow:** Intake over struts
  Types 4890 N and 4840 N
  Exhaust over struts
- **Direction of rotation:** Clockwise,
  looking towards rotor
- **Connection:** Via 2 flat plugs 2.8 x 0.5 mm
  grounding lug for M4
- **Weight:** 550 g
- **Note:**
  Please note our ACmaxx series. With identical mounting dimensions and voltages, this series achieves greater energy efficiency. See from page 200.

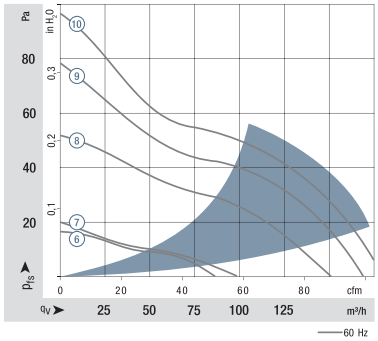
- **Available as an option:**
  Versions with reinforced mounting flanges and exposed external single wires.
- **Possible special versions:**
  (See page 10)
  - Speed signal
  - Moisture protection
  - Salt spray protection
  - Degree of protection: IP 54 / IP 65

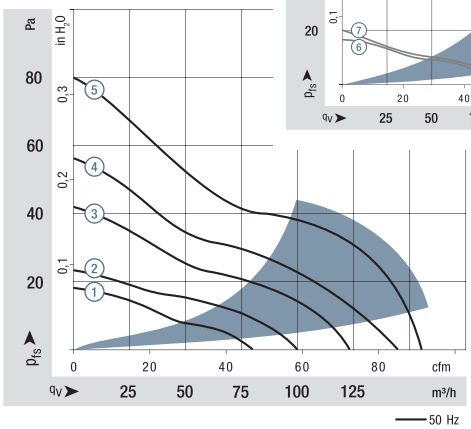
Series 4000 N VUC0119XQHCS **Nominal data**	Air flow	Air flow	**Nominal voltage**	**Frequency**	Sound pressure level	Sound power level	Sintec sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L_{10} (40 °C) ebm-papst standard Service life L_{10} (T_{max}) ebm-papst standard	Life expectancy L_{10IPC} (40 °C) see page 15	Curve
Type	**m³/h**	**cfm**	**VAC**	**Hz**	**dB(A)**	**Bel(A)**	□ / ■	**Watts**	**rpm⁻¹**	**°C**	**Hours**	**Hours**	
4890 N	80	47.0	**230**	**50**	25	4.0	□	11.0	1 550	-10...+70	55 000 / 27 500	92 500	①
4850 N*	100	58.8	**230**	**50**	32	4.4	□	10.0	1 800	-10...+70	57 500 / 30 000	97 500	②
4580 N*	123	72.3	**230**	**50**	41	5.2	□	18.0	2 350	-10...+55	40 000 / 27 500	67 500	③
4550 N*	145	85.2	**230**	**50**	44	5.4	□	16.5	2 550	-10...+55	42 500 / 30 000	72 500	④
4650 N	160	94.1	**230**	**50**	46	5.4	□	19.0	2 650	-10...+55	37 500 / 27 500	62 500	⑤
4656 N	160	94.1	**230**	**50**	47	5.5	■	19.0	2 650	-40...+85	37 500 / 10 000	62 500	⑤
4840 N	85	50.0	**115**	**60**	26	4.1	□	10.0	1 650	-10...+75	57 500 / 22 500	97 500	⑥
4800 N*	97	57.0	**115**	**60**	32	4.3	□	9.0	1 750	-10...+75	60 000 / 25 000	102 500	⑦
4530 N*	151	88.8	**115**	**60**	45	5.4	□	16.0	2 700	-10...+65	42 500 / 25 000	72 500	⑧
4500 N*	169	100	**115**	**60**	48	5.7	□	15.0	3 000	-10...+65	47 500 / 27 500	80 000	⑨
4600 N	180	106	**115**	**60**	50	5.7	□	18.0	3 100	-10...+60	40 000 / 25 000	67 500	⑩
4606 N	180	106	**115**	**60**	51	5.8	■	18.0	3 100	-40...+90	40 000 / 8 000	67 500	⑩

Subject to change



* Fan with 3 blades.





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

