

Max. 61 m<sup>3</sup>/h

# AC axial fans

□ 80 x 38 mm



- **Material:** Housing: Die-cast aluminum  
Impeller: painted sheet steel
- **Direction of air flow:** Exhaust over struts
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via 2 single wires  
grounding lug for M4 x 8
- **Weight:** 490 g
- **Note:** Please note our ACmaxx series.  
With identical mounting dimensions and voltages,  
this series achieves greater energy efficiency.  
See page 196.
- **Possible special versions:**  
(See page 10)
  - Moisture protection
  - Salt spray protection
  - Degree of protection: IP 54 / IP 65

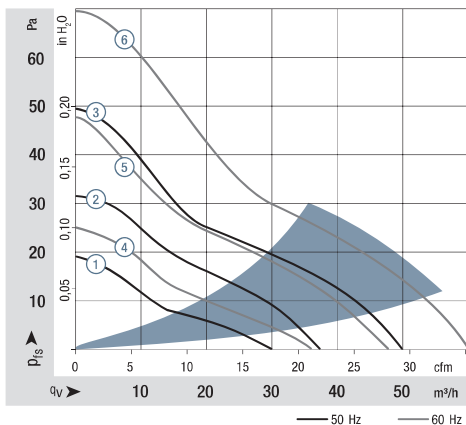
Series 8000 N  
WVC0080AQHCS

**Nominal data**

Type	Air flow		Nominal voltage	Frequency	Sound pressure level	Sound power level	Sinter sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L <sub>10</sub> (40 °C) ebm-papst standard	Service life L <sub>10</sub> (T <sub>max</sub> ) ebm-papst standard	Life expectancy L <sub>10</sub> IPC (40 °C) see page 15	Curve
	m <sup>3</sup> /h	cfm												
8880 N	30	17.7	230	50	18	3.3	□	9.0	1 750	-10...+80	60 000 / 20 000	102 500	102 500	①
8850 N	37	21.8	230	50	24	3.9	□	12.5	2 150	-10...+70	52 500 / 27 500	87 500	87 500	②
8550 N	50	29.4	230	50	30	4.4	□	12.0	2 700	-10...+70	52 500 / 27 500	87 500	87 500	③
8556 N	50	29.4	230	50	31	4.5	■	12.0	2 800	-40...+90	52 500 / 10 000	87 500	87 500	③
8830 N	36	21.2	115	60	21	3.7	□	8.0	1 950	-10...+80	62 500 / 20 000	105 000	105 000	④
8800 N	47	27.7	115	60	28	4.3	□	11.0	2 500	-10...+70	55 000 / 27 500	92 500	92 500	⑤
8500 N	61	35.9	115	60	34	4.8	□	11.0	3 200	-10...+75	55 000 / 22 500	92 500	92 500	⑥
8506 N	61	35.9	115	60	35	5.0	■	11.0	3 300	-40...+95	55 000 / 9 000	92 500	92 500	⑥

Subject to change

Fan type					Length "L"	Connection wires
8880 N	8830 N	8800 N	8550 N	8500 N	310 mm long	AWG 18, TR 64
8556 N	8506 N				310 mm long	AWG 22
8850 N					440 mm long	AWG 18, TR 64



Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 10302 measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>pA</sub> 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](http://www.ebmpapst.com/general_conditions)

