

Max. 440 m<sup>3</sup>/h

# DC axial fans

□ 119 x 38 mm



- **Material:** Housing: Die-cast aluminum  
Impeller: GRP<sup>1)</sup> (PA)
  - **Direction of air flow:** Intake over struts
  - **Direction of rotation:** Clockwise, looking towards rotor
  - **Connection:** Via single wires  
AWG 22 UL 1007, TR 64
  - **Highlights:** Housing with grounding lug for screw M4 x 8 (Torx)
  - **Weight:** 390 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 4100 N  
High Performance

**Nominal data**

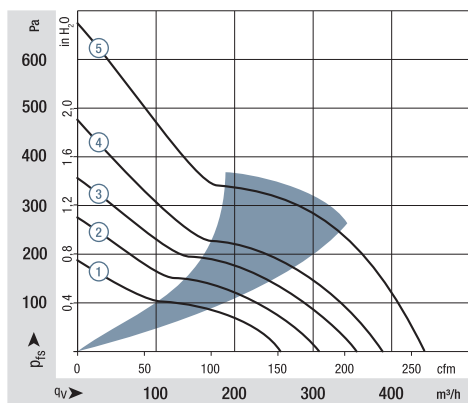
Type	Air flow		Nominal voltage	Voltage range	Sound pressure level		Sinter sleeve bearings Ball bearings	Power consumption*	Nominal speed	Temperature range	Service life L <sub>10</sub> (40 °C) ebm-papst standard	Service life L <sub>10</sub> (T <sub>max</sub> ) ebm-papst standard	Life expectancy L <sub>10</sub> (IPC (40 °C) see page 17	Curve
	m <sup>3</sup> /h	cfm			VDC	VDC								
<b>4112 NHH</b>	<b>260</b>	<b>153</b>	<b>12</b>	<b>9...15</b>	<b>60</b>	<b>6.8</b>	■	<b>13.3</b>	<b>5 000</b>	<b>-20...+65</b>	<b>70 000 / 55 000</b>	<b>117 500</b>	<b>①</b>	
4112 NH3	310	182	12	9...15	65	7.2	■	21.6	6 000	-20...+65	65 000 / 37 500	110 000	②	
4112 NH4	355	209	12	9...14	67	7.4	■	32.0	6 800	-20...+65	62 500 / 35 000	105 000	③	
4114 NHH	260	153	<b>24</b>	16...30	60	6.8	■	12.4	5 000	-20...+65	70 000 / 52 500	117 500	①	
4114 NH3	310	182	<b>24</b>	16...30	65	7.2	■	19.5	6 000	-20...+65	65 000 / 37 500	110 000	②	
4114 NH4	355	209	<b>24</b>	16...30	67	7.4	■	30.0	6 800	-20...+65	62 500 / 35 000	105 000	③	
4114 NH5 <i>S-Force</i>	390	230	<b>24</b>	16...30	70	7.6	■	45.0*	7 500	-20...+65	62 500 / 35 000	105 000	④	
4114 NH6 <i>S-Force</i>	440	259	<b>24</b>	16...30	73	8.1	■	65.0*	8 400	-20...+65	60 000 / 32 500	102 500	⑤	
4118 NHH	260	153	<b>48</b>	36...60	60	6.8	■	12.0	5 000	-20...+65	70 000 / 52 500	117 500	①	
4118 NH3	310	182	<b>48</b>	36...60	65	7.2	■	20.0	6 000	-20...+65	65 000 / 37 500	110 000	②	
4118 NH4	355	209	<b>48</b>	36...60	67	7.4	■	28.0	6 800	-20...+65	62 500 / 35 000	105 000	③	
4118 NH5 <i>S-Force</i>	390	230	<b>48</b>	36...60	70	7.6	■	45.0*	7 500	-20...+65	62 500 / 35 000	105 000	④	
4118 NH6 <i>S-Force</i>	440	259	<b>48</b>	36...60	73	8.1	■	62.0*	8 400	-20...+65	60 000 / 32 500	102 500	⑤	

Subject to change

\* Power consumption at free air flow. These values can be significantly higher in the operating point.

**\* Power consumption – in operation**

Fan type	optimum operating range (W)
4114 NH5	55
4114 NH6	95
4118 NH5	55
4118 NH6	95



Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 103002 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>

