

Max. 440 m³/h

DC axial fans

□ 119 x 38 mm

Information

DC axial fans

DC centrifugal fans

DC fans - specials

ACmaxx / EC fans

AC axial fans

AC centrifugal fans

Accessories

Representatives



- **Material:** Housing: Die-cast aluminum
Impeller: GRP¹⁾ (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

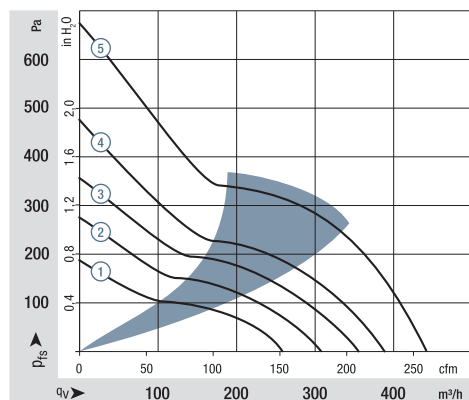
	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sinter sleeve bearings	Power consumption*	Nominal speed	Temperature range	Service life L ₁₀ (40 °C)	Service life L ₁₀ (T _{max})	Life expectancy L ₁₀ (40 °C)	Curve
Type	m ³ /h	cfm	VDC	VDC	dB(A)	Bel(A)	■ / ■	Watts	rpm ⁻¹	°C	Hours	Hours	Hours	
4112 NHH	260	153	12	9...15	60	6.8	■	13.3	5 000	-20...+65	70 000 / 55 000		117 500	①
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	24	16...30	60	6.8	■	12.4	5 000	-20...+65	70 000 / 52 500		117 500	①
4114 NH3	310	182	24	16...30	65	7.2	■	19.5	6 000	-20...+65	65 000 / 37 500		110 000	②
4114 NH4	355	209	24	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	24	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	24	16...30	73	8.1	■	65.0*	8 400	-20...+65	60 000 / 32 500		102 500	⑤
4118 NHH	260	153	48	36...60	60	6.8	■	12.0	5 000	-20...+65	70 000 / 52 500		117 500	①
4118 NH3	310	182	48	36...60	65	7.2	■	20.0	6 000	-20...+65	65 000 / 37 500		110 000	②
4118 NH4	355	209	48	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	48	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	48	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_{WA} ISO 103002 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>

