

max. 570 m³/h

DC Axial Fans

Series 4100 N High Performance 119 x 119 x 38 mm



Highlights:

- Highly stable characteristic curve for high air flow with high back pressure.
- Low operating noise at high back pressure.
- Available as standard with PWM control input and speed signal, additional inputs and outputs on request. 3-phase fan drive with high degree of running smoothness.

General characteristics:

- Material: aluminium housing, fiberglass-reinforced PA impeller; housing with grounding lug for screw M4 x 8 (Torx).
- Protected against reverse polarity and blocking.
- Electrical connection via single leads AWG 20, sensor and control leads AWG 22, UL1007, TR 64. Stripped and tinned ends.
- Air intake over struts. Rotational direction CW looking at rotor.
- Mass: 425 g.

Nominal Data		Air Flow	Air Flow	Nominal Voltage	Voltage Range	Noise	Sound Power	Sinter-Sleeve Bearings Ball Bearings	Power Input	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 ₁₀ Δ (40 °C)	Curve	Specials
Type		m³/h	CFM	V DC	V DC	dB(A)	Bel	□/■	Watt	min ⁻¹	°C	Hours	Hours	Hours		
NEW 4114 N/2H7P		500	294.2	24	16...30	76	8.5	■	90	9 500	-20...+75	57 500 / 25 000	115 000	115 000	1	/2
NEW 4114 N/2H8P		570	335.5	24	16...30	78	8.9	■	120	11 000	-20...+75	55 000 / 22 500	110 000	110 000	2	/2
NEW 4118 N/2H7P		500	294.2	48	36...60*	76	8.5	■	90	9 500	-20...+75	57 500 / 25 000	115 000	115 000	1	/2
NEW 4118 N/2H8P		570	335.5	48	36...60*	78	8.9	■	120	11 000	-20...+75	55 000 / 22 500	110 000	110 000	2	/2

To achieve the specified life, it is advisable to wire up an external capacitor with 470 µF between the positive and negative strands.

*36...72 V DC on request.

Speed control range from 500 min⁻¹ up to maximum nominal speed. Stationary at 0 % PWM, maximum speed when no sensor is connected.

