max. 570 m^3/h

DC axial fans

Series 4100 N High Performance 119 x 119 x 38 mm

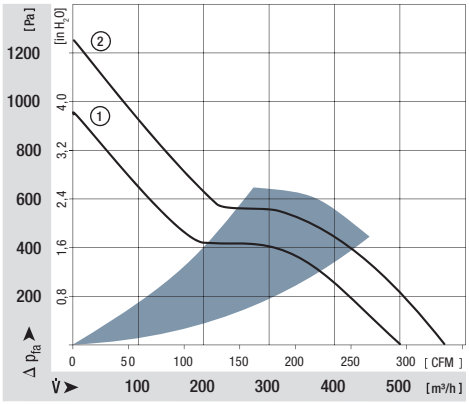
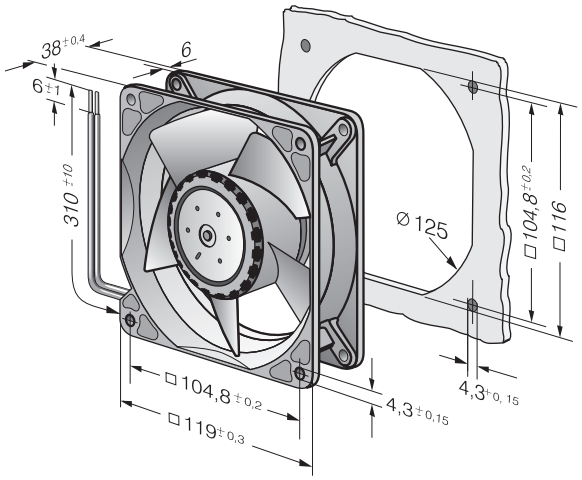
Highlights:

- Very rigid compression curve for high air flow at high back pressure.
- Low operating noise level 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, fibreglass-reinforced PA impeller; housing with grounding lug for screw M4 x 8 (Torx).
- Protected against reverse polarity and locking.
- Connection via single strands AWG 20, sensor and control leads AWG 22, UL1007, TR 64. Bared and tin-plated.
- Air intake over struts. Direction of rotation clockwise, seen on rotor.
- Mass: 425 g.

Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sintec 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 $L_{10\Delta}$ (40 °C) see P. 15	Curve	Specials
Type	**m^3/h**	**CFM**	**VDC**	**VDC**	**dB(A)**	**Bel(A)**	□/■	**Watts**	**RPM**	**°C**	**Hours**		**Hours**	**P. 110**	
4114 N/2H7P	500	294,2	**24**	16...30	76	8,5	■	90	9 500	-20...+75	57 500 / 25 000		115 000	1	/2
4114 N/2H8P	570	335,5	**24**	16...30	78	8,9	■	120	11 000	-20...+75	55 000 / 22 500		110 000	2	/2
4118 N/2H7P	500	294,2	**48**	36...60*	76	8,5	■	90	9 500	-20...+75	57 500 / 25 000		115 000	1	/2
4118 N/2H8P	570	335,5	**48**	36...60*	78	8,9	■	120	11 000	-20...+75	55 000 / 22 500		110 000	2	/2

*36...72 VDC on request.

Speed control range from 500 RPM up to maximum nominal speed. Stationary at 0 % PWM, maximum speed at sensor break.
To attain the specified service life, an external capacitor must be wired between the plus and minus strands.
Please note the wiring suggestion on page 22.