

max. 275 m³/h

DC Diagonal Fans

Series DV 4100 119 x 119 x 38 mm



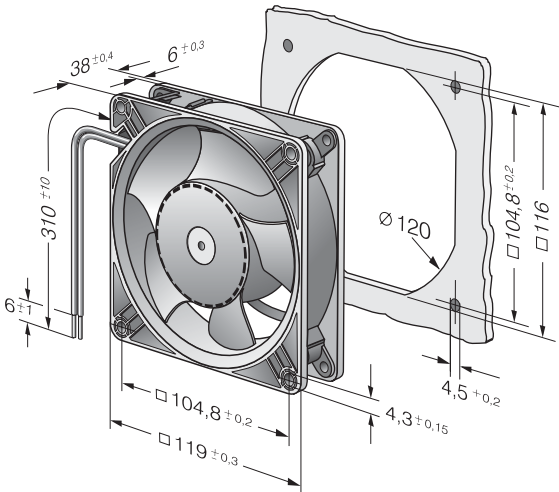
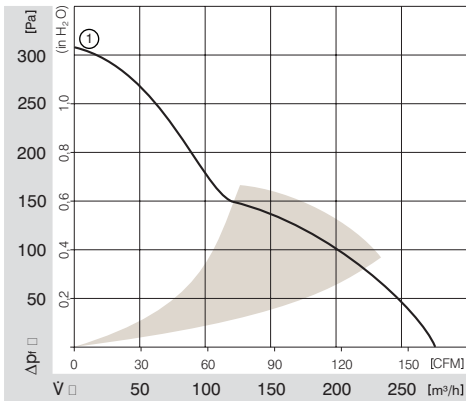
Highlights:

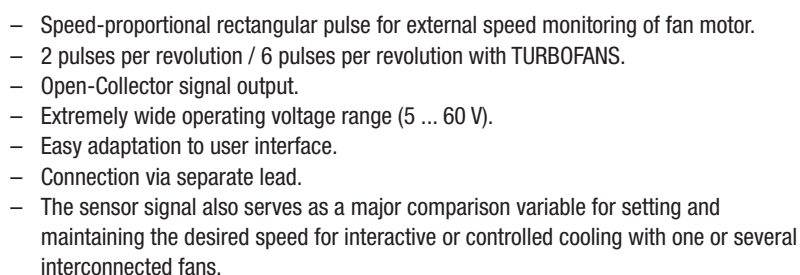
- Diagonal compact fan with low noise and high pressure saddle.
- Highly stable characteristic curve for high air flow with high back pressure.
- Optional Vario-Pro: Highly adaptable software configuration of the fan enables a tailor-made solution to the specific requirements of your applications.

General characteristics:

- Material: aluminium housing, fiberglass-reinforced PA impeller; housing with grounding lug for screw M4 x 8 (Torx).
- Fully integrated electronic commutation.
- Protected against reverse polarity and blocking.
- Electrical connection via single leads AWG 22, TR 64, bared and tin-plated
- Blowing over struts. Rotational direction CCW looking at rotor.
- Mass: 375 g (with aluminium housing : 455 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		
DV 4112 N		275	161.9	12	9...15	60	6.7	■	21.0	6 000	-20...+65	70 000 / 40 000	142 500	142 500	1	
DV 4114 N		275	161.9	24	16...30	60	6.7	■	21.0	6 000	-20...+65	70 000 / 40 000	142 500	142 500	1	/2
DV 4118 N		275	161.9	48	36...60	60	6.7	■	21.0	6 000	-20...+65	70 000 / 40 000	142 500	142 500	1	





Fan

Customer

(+) Power

U_B

$+U_{BE}$

output

U_a

(-) Power

I_{OUT}

I_B

I_C

I_E

U_{CE}

U_{BE}

U_a

I_{OUT}

I_B

I_C

I_E

$R_a = \frac{U_{BS} - U_{SLOW}}{I_{SINK}}$

All voltages measured to ground

Signal output voltage

ebmpapst

Available on request:

- Galvanically separated sensor and signal circuit.
- Varying voltage potentials for power and logic circuit.

Signal data		Sensor signal $U_{S, low}$	Condition: I_{sink}	Sensor signal $U_{S, high}$	Condition: I_{source}	Sensor operating voltage U_{SS}	Perm. sink current $I_{sink, max.}$	Fan description
Type	V DC	mA	V DC	mA	V DC	mA	Page	
7112 N	≤0.4	2	60	0	≤60	≤20	56	
7114 N	≤0.4	2	30	0	≤30	≤20	56	
7118 N	≤0.4	2	60	0	≤60	≤20	56	
7200 N	≤0.4	2	15	0	≤15	≤20	57	
6300	≤0.4	2	≤72	0	≤72	≤20	58	
6224 N	≤0.4	8	30	0	≤30	≤20	59	
6248 N	≤0.4	8	60	0	≤30	≤20	59	
DV 6200	≤0.4	2	30	0	≤60	≤20	61	
6400	≤0.4	2	60	0	≤60	≤20	63	
RL 48	≤0.4	2	28	0	4–30	≤4	73	
RL 65	≤0.4	2	30	0	≤30	≤4	74	
RL 90 N	≤0.4	2	30	0	≤30	≤4	75	
RLF 100	≤0.4	2	30	0	≤30	≤4	76	
RG 90 N	≤0.4	2	30	0	≤30	≤4	77	
RG 125 N	≤0.4	2	30	0	≤30	≤4	78	
RG 160 N	≤0.4	2	30	0	≤30	≤20	79	
REF 100	≤0.4	2	30	0	≤30	≤4	81	
RER 125	≤0.4	2	30	0	≤30	≤4	83	

Attention:

With these fan options, deviations in regard to temperature range, voltage range and power consumption are possible compared with standard fan data.