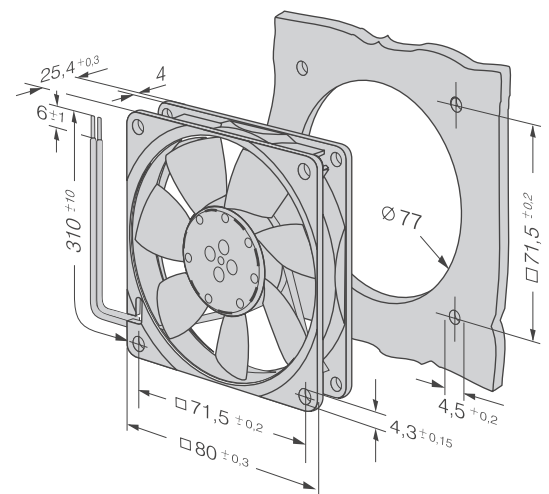
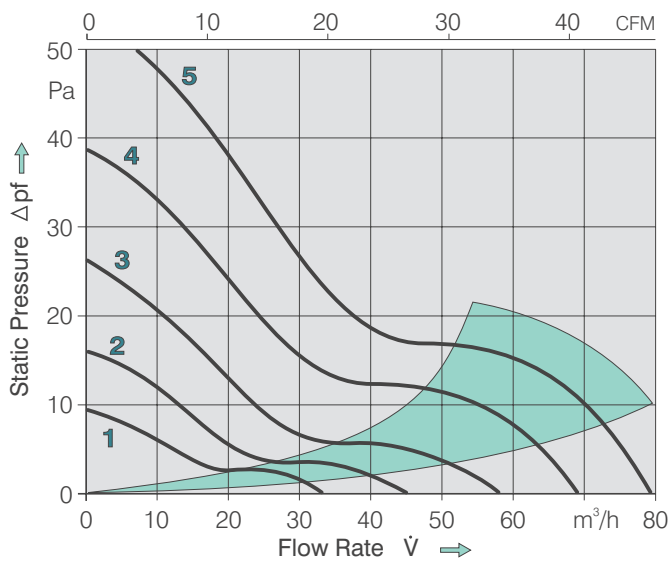
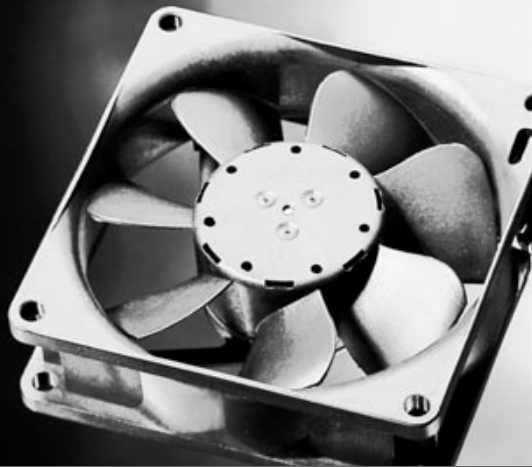


- DC fans with electronically commutated external rotor motor. Fully integrated commutation electronics.
- With electronic protection against reverse polarity, blocking and overloading; partially impedance protected.
- Fan of fibreglass reinforced plastic. PBTP housing, PA impeller.
- Air exhaust over struts. Rotational direction CCW looking at rotor.
- Electrical connection via leads AWG 24, TR 64. Stripped and tinned ends.
- Mass 95 g.

Series 8400 N 80 x 80 x 25 mm

Air flow		Nominal Voltage		Noise	Sinter-Sleeve Bearings	Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀		Curve	Type	Specials
m ³ /h	CFM	V DC	V DC							dB(A)	bels			
33	19.4	12	8...15	12	3.5	□	0.6	1500	-20...+70	80000/40000	1	8412 NGL	58	
33	19.4	12	8...15	17	3.7	■	0.6	1500	-20...+70	80000/40000	1	8412 NL		
45	26.5	12	8...15	19	3.9	□	0.9	2050	-20...+70	80000/40000	2	8412 NGML		
45	26.5	12	8...15	21	4.0	■	0.9	2050	-20...+70	80000/40000	2	8412 NML		
58	34.1	12	8...15	26	4.3	□	1.3	2600	-20...+70	80000/40000	3	8412 NGM	58	
58	34.1	12	8...15	27	4.4	■	1.3	2600	-20...+70	80000/40000	3	8412 NM		
69	40.6	12	8...15	32	4.7	□	2.0	3100	-20...+70	70000/35000	4	8412 NG	58	
69	40.6	12	8...15	32	4.7	■	2.0	3100	-20...+70	70000/35000	4	8412 N		
79	46.5	12	8...13.2	37	5.0	■	2.2	3600	-20...+70	70000/35000	5	8412 NH		
33	19.4	24	18...28	12	3.5	□	0.7	1500	-20...+70	80000/40000	1	8414 NGL	58	
33	19.4	24	18...28	17	3.7	■	0.7	1500	-20...+70	80000/40000	1	8414 NL		
45	26.5	24	18...28	19	3.9	□	1.1	2050	-20...+70	80000/40000	2	8414 NGML		
45	26.5	24	18...28	21	4.0	■	1.1	2050	-20...+70	80000/40000	2	8414 NML		
58	34.1	24	18...28	26	4.3	□	1.4	2600	-20...+70	80000/40000	3	8414 NGM	58	
58	34.1	24	18...28	27	4.4	■	1.4	2600	-20...+70	80000/40000	3	8414 NM		
69	40.6	24	18...28	32	4.7	□	2.0	3100	-20...+70	70000/35000	4	8414 NG	58	
69	40.6	24	18...28	32	4.7	■	2.0	3100	-20...+70	70000/35000	4	8414 N	58	
79	46.5	24	18...26	37	5.0	■	2.4	3600	-20...+70	70000/35000	5	8414 NH		

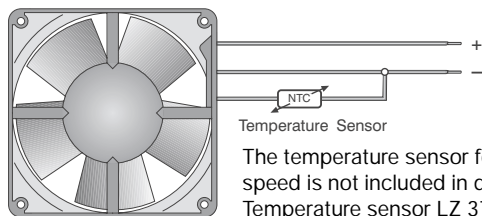
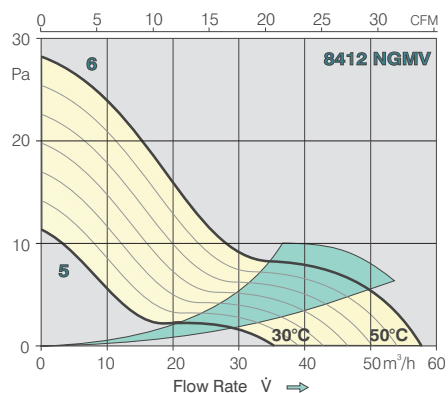
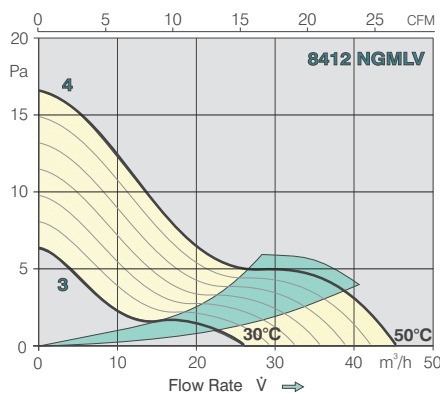
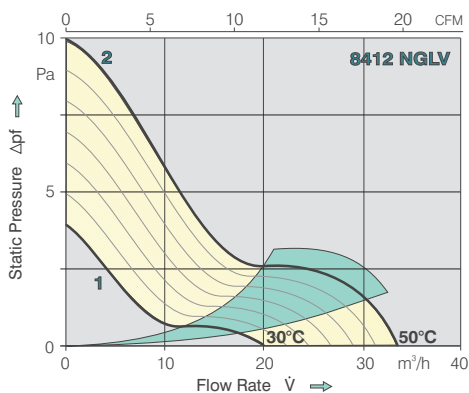




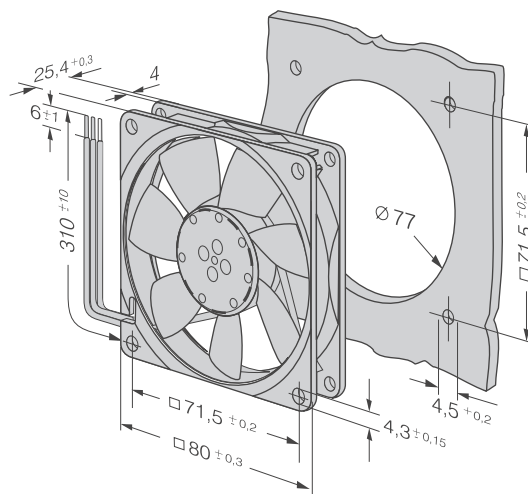
- DC fans with electronically commutated external rotor motor. Fully integrated commutation electronics.
- With electronic protection against reverse polarity, blocking and overloading; partially impedance protected.
- Fan of fibreglass reinforced plastic. PBTP housing, PA impeller.
- Air exhaust over struts. Rotational direction CCW looking at rotor.
- Electrical connection via leads AWG 24, TR 64. Stripped and tinned ends.
- Mass 95 g.

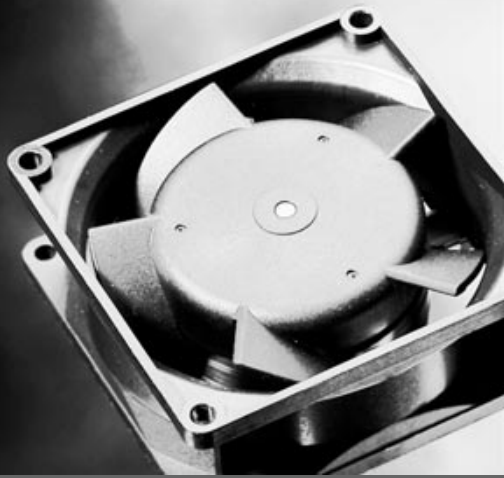
Series 8400N 80 x 80 x 25 mm VARIOFAN

	Air flow		Nominal Voltage	Voltage Range	Noise		Sinter-Sleeve Bearings	Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀		Curve	Type	Specials
	m ³ /h	CFM			V DC	V DC						dB(A)	bels			
30-50 °C	20	11.8	12	10...14	< 10	< 3	□	0.9	900	-20...+70	80000/40000	1	8412 NGLV	2		
	33	19.4			12	12										
30-50 °C	27	15.9	12	8...14	< 10	2.8	□	1.1	1200	-20...+70	80000/40000	3	8412 NGMLV	4	65	
	45	26.5			19	4.4										
30-50 °C	35	20.6	12	8...14	< 13	3.3	□	1.4	1600	-20...+70	80000/35000	5	8412 NGMV	6		
	58	34.1			26	4.7										



The temperature sensor for controlling the motor speed is not included in delivery. Temperature sensor LZ 370 see accessories.





- DC fans with electronically commutated external rotor motor. Fully integrated commutation electronics.
- With electronic protection against reverse polarity, blocking and overloading by PTC-resistor; partially impedance protected.
- Fan of fibreglass reinforced plastic. PBTP housing, PA impeller.
- Air exhaust over struts. Rotational direction CW looking at rotor.
- Electrical connection via 2 leads AWG 22, TR 64. Stripped and tinned ends.
- Mass 170 g.

Series 8300

80 x 80 x 32 mm

Air flow		Nominal Voltage	Voltage Range	Noise	Sinter-Sleeve Bearings		Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀		Curve	Type	Specials
m ³ /h	CFM	V DC	V DC	dB(A)	bels	□/■	Watt	min ⁻¹	°C	Hours	Hours			Page
32	18.8	12	6...15	24	4.0	□	1.0	2000	-20...+75	80 000/35 000	1	8312 GL		
32	18.8	12	6...15	24	4.0	■	1.0	2000	-20...+75	80 000/35 000	1	8312 L		
48	28.3	12	6...15	34	5.0	□	1.8	3000	-20...+75	70 000/30 000	2	8312 GM		
48	28.3	12	6...15	34	5.0	■	1.8	3000	-20...+75	70 000/30 000	2	8312 M		
54	31.8	12	6...15	36	5.2	□	2.5	3300	-20...+75	70 000/30 000	3	8312 G		
54	31.8	12	6...15	36	5.2	■	2.2	3300	-20...+75	70 000/30 000	3	8312	60	
67	39.4	12	6...15	43	5.8	■	4.0	4200	-20...+75	62 500/27 500	4	8312 HL	58	
32	18.8	24	12...28	24	4.0	■	1.0	2000	-20...+75	80 000/35 000	1	8314 L		
48	28.3	24	12...28	34	5.0	■	2.1	3000	-20...+75	70 000/30 000	2	8314 M		
54	31.8	24	12...28	36	5.2	□	2.5	3300	-20...+75	70 000/30 000	3	8314 G		
54	31.8	24	12...28	36	5.2	■	2.5	3300	-20...+75	70 000/30 000	3	8314	58/60	
67	39.4	24	12...28	43	5.8	■	4.3	4200	-20...+75	62 500/27 500	4	8314 HL		
80	47.1	24	20...26.5	48	6.2	■	6.0	5000	-20...+75	55 000/25 000	5	8314 H	60/64	
54	31.8	48	36...56	36	5.2	■	2.6	3300	-20...+75	70 000/30 000	3	8318	58/62	
67	39.4	48	36...56	43	5.8	■	4.3	4200	-20...+75	62 500/27 500	4	8318 HL	58/60	
80	47.1	48	36...56	48	6.2	■	5.8	5000	-20...+65	55 000/30 000	5	8318 H	60	

