



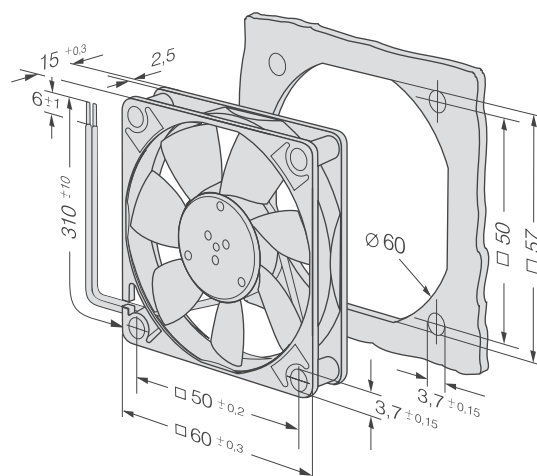
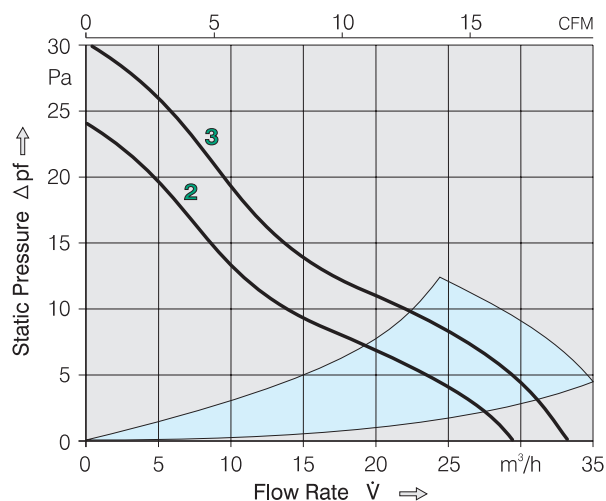
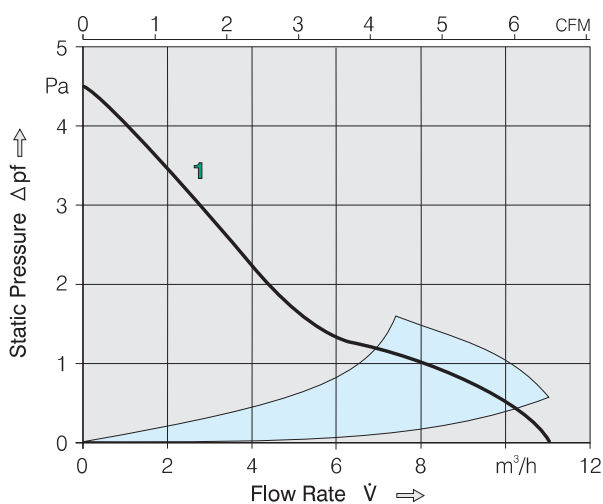
- DC fans with electronically commutated external rotor motors. Fully integrated commutation electronics.
- With electronic protection against reverse polarity. The fan only operates when the polarity is correct. Impedance-protected against blocking and overloading.

- Fan of fibreglass reinforced plastic. PBT housing, PA impeller.
- Air exhaust over struts. Rotational direction CCW looking at rotor.
- Electrical connection via 2 leads AWG 28, TR 64. Stripped and tinned ends
- Mass 30 g.

SERIES 600F

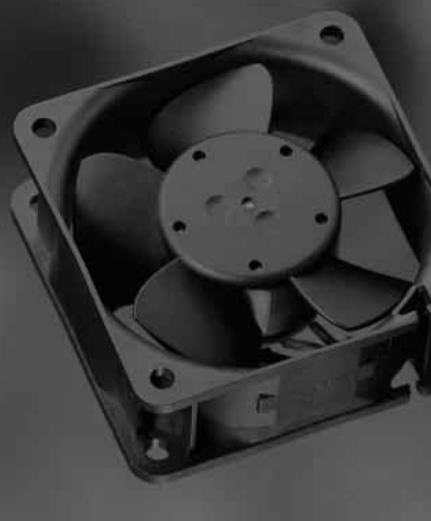
60x60x15mm

Air flow		Nominal Voltage		Noise		Sinter Sleeve Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀		Curve	Type
m ³ /h	CFM	V DC	V DC	dB(A)	bels	○/●	Watt	min ⁻¹	°C	Hours	Hours		
11	6.5	12	10.8-13.2	<10	<3	○	0.2	1550	0...+70	50 000 / 20 000		1	612 FL
29	17.1	12	10.8-13.2	27	4.4	○	1.1	3900	-20...+70	50 000 / 20 000		2	612 F
33	19.5	12	10.0-13.2	31	4.8	○	1.4	4500	-20...+60	45 000 / 15 000		3	612 FH
29	17.1	24	21.6-26.4	27	4.4	○	1.1	3900	-20...+70	50 000 / 20 000		2	614 F



MEGA FAN

THE NEW FAN GENERATION



- DC fans with electronically commutated external rotor motors. Fully integrated commutation electronics.
- With electronic protection against reverse polarity, blocking and overloading.

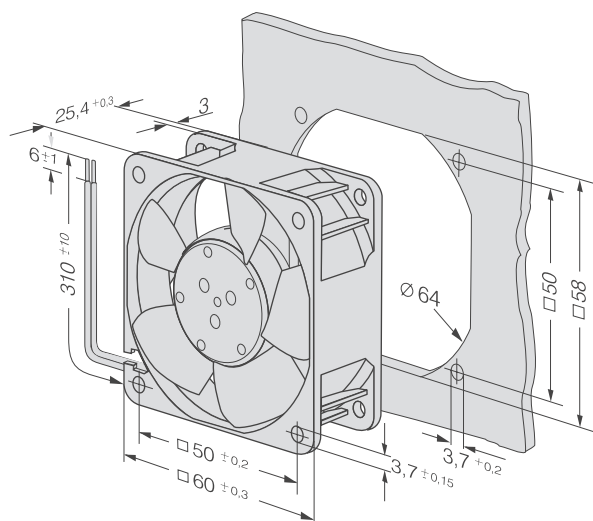
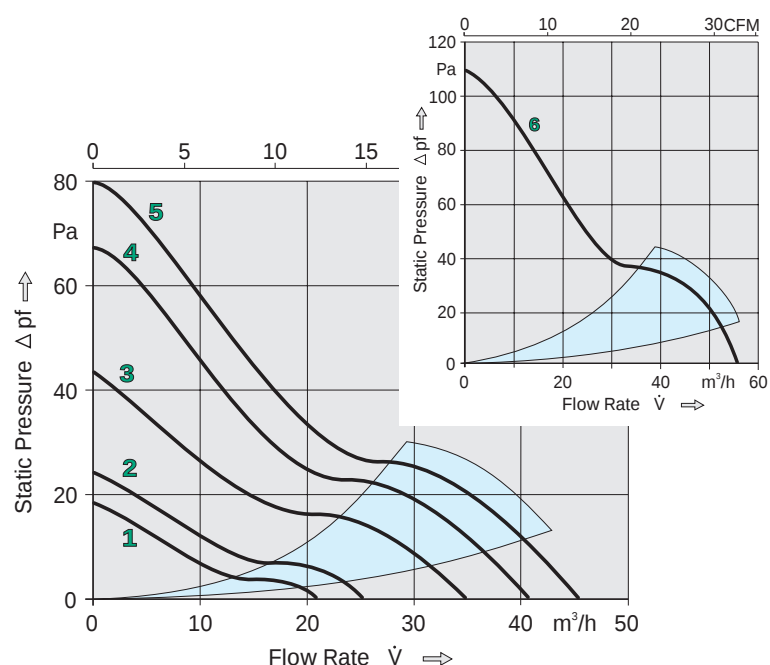
- Fan of fibreglass reinforced plastic. PBTP housing, PA impeller.
- Air exhaust over struts. Rotational direction CW looking at rotor.
- Electrical connection via 2 leads AWG 24, TR 64. Stripped and tinned ends.
- Mass 85 g.

SERIES 600N

60x60x25mm

Air flow		Nominal Voltage		Noise		Sinter-Sleeve Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀		Curve	Type
m ³ /h	CFM	V DC	V DC	dB(A)	bels	○/●	Watt	min ⁻¹	°C	Hours	Hours		
21	12.4	12	8...15	16	3.6	○	0.8	2500	-20...+70	80 000 / 40 000		1	612 NGL
25	14.7	12	8...15	19	3.9	○	1.0	3000	-20...+70	80 000 / 40 000		2	612 NGML
35	20.6	12	8...15	28	4.6	○	1.6	4100	-20...+70	80 000 / 40 000		3	612 NGM
41	24.1	12	8...15	35	5.2	○	2.1	5100	-20...+70	70 000 / 35 000		4	612 NGN
46	27.1	12	8...15	38	5.5	○	2.6	5600	-20...+70	70 000 / 35 000		5	612 NGH
56	33.0	12	8...15	43	6.3	○	3.8	6850	-20...+70	60 000 / 30 000		6	612 NGHH
21	12.4	24	18...28	16	3.6	○	0.8	2500	-20...+70	80 000 / 40 000		1	614 NGL
25	14.7	24	18...28	19	3.9	○	1.0	3000	-20...+70	80 000 / 40 000		2	614 NGML
35	20.6	24	18...28	28	4.6	○	1.6	4100	-20...+70	80 000 / 40 000		3	614 NGM
41	24.1	24	18...28	35	5.2	○	2.1	5100	-20...+70	70 000 / 35 000		4	614 NGN
46	27.1	24	18...28	38	5.5	○	2.6	5600	-20...+70	70 000 / 35 000		5	614 NGH
56	33.0	24	18...28	43	6.3	○	3.8	6850	-20...+70	60 000 / 30 000		6	614 NGHH

Available with alternative ball bearings. 5 V versions available upon request.





- DC fans with electronically commutated external rotor motors. 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 85 g.

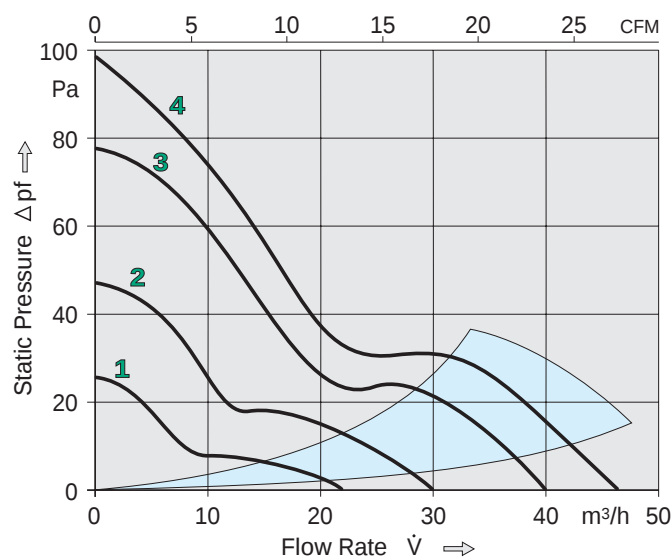
SERIES 600

60x60x25 mm

Air flow	Air flow	Nominal Voltage	Voltage Range	Noise		Sinter-Sleeve Bearings	Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀	at t _{max} .	Curve	Type
m³/h	CFM	V DC	V DC	dB(A)	bels	○/●	Watt	min ⁻¹	°C	Hours	Hours			
21	12.4	5	4.5...6	26	4.0	●	0.8	3000	-20...+65	80 000 / 45 000			1	605L
21	12.4	12	6...15	24	3.7	○	1.0	3000	-20...+65	80 000 / 45 000			1	612GL
21	12.4	12	6...15	26	4.0	●	0.7	3000	-20...+65	80 000 / 45 000			1	612L
30	17.6	12	6...15	32	4.5	○	1.3	4100	-20...+65	80 000 / 45 000			2	612GM
30	17.6	12	6...15	33	4.6	●	1.3	4100	-20...+65	80 000 / 45 000			2	612M
40	23.5	12	6...15	40	5.1	○	2.8	5300	-20...+65	70 000 / 40 000			3	612G
40	23.5	12	6...15	40	5.1	●	2.5	5300	-20...+65	70 000 / 40 000			3	612
21	12.4	24	12...30	24	3.7	○	1.2	3000	-20...+65	80 000 / 45 000			1	614GL
21	12.4	24	12...30	26	4.0	●	0.8	3000	-20...+65	80 000 / 45 000			1	614L
30	17.6	24	12...30	33	4.6	●	1.4	4100	-20...+65	80 000 / 45 000			2	614M
40	23.5	24	12...30	40	5.1	○	2.9	5300	-20...+65	70 000 / 40 000			3	614G
40	23.5	24	12...30	40	5.1	●	2.5	5300	-20...+65	70 000 / 40 000			3	614
46	27.0	24	12...27.5	44	5.5	●	3.4	6400	-20...+65	70 000 / 40 000			4	614H

Attention:

In the foreseeable future the 600 fan series will be removed from the range and replaced by the products of the new series 600N.



Rotor protrusion max. 1 mm

