



- DC fans with electronically commutated external rotor motor. 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 17 g (27 g).

**Series 400F**

**40 x 40 x 10 mm**

Air flow		Nominal Voltage		Noise	Sinter-Sleeve Bearings		Power Input	Nominal Speed	Temperature Range	Service Life L <sub>10</sub>		Curve	Type	Specials
m <sup>3</sup> /h	CFM	V DC	V DC	dB(A)	bels	□/■	Watt	min <sup>-1</sup>	°C	Hours	Hours			Page
8	4.7	5	4.5...5.5	26	4.5	□	0.7	5 400	-20...+70	45 000/15 000		2	405 F	58
9	5.3	5	4.5...5.5	29	4.9	□	0.9	6 000	-20...+70	45 000/15 000		3	405 FH	
6	3.5	12	10...14	19	4.0	□	0.6	4 300	-20...+70	45 000/15 000		1	412 FM	
8	4.7	12	10...14	26	4.5	□	0.7	5 400	-20...+70	45 000/15 000		2	412 F	
9	5.3	12	10...14	29	4.9	□	0.8	6 000	-20...+70	45 000/15 000		3	412 FH	58
8	4.7	24	20...28	26	4.5	□	0.8	5 400	-20...+70	45 000/15 000		2	414 F	

**Series 400**

**40 x 40 x 20 mm**

10	5.9	5	4.5...5.5	18	3.8	□	0.9	6 000	-20...+70	50 000/20 000		4	405	58
10	5.9	12	10...14	18	3.8	□	1.0	6 000	-20...+70	50 000/20 000		4	412	58
13.5	8.0	12	10...14	29	3.8	□	1.6	8 100	-20...+60	45 000/15 000		5	412 H	
10	5.9	24	20...28	18	3.8	□	1.0	6 000	-20...+70	50 000/20 000		4	414	58
13.5	8.0	24	20...26.5	29	4.7	□	1.6	8 100	-20...+60	45 000/15 000		5	414 H	58

\*Type 412 H and 414 H with electronic protection against blocking

Type	Dimension:	A	B	C
400F		10 <sup>+0.3</sup> <sub>-0.1</sub>	Ø3.5 ±0.1	Ø3.5 ±0.1
400		20 ±0.15	Ø4.3 ±0.1	Ø4.3 ±0.1

