



- 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

40x40x10 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		Curve	Type
		m ³ /h	CFM		V DC	V DC					dB(A)	bels		
8	4.7	5	4.5...5.5	26	4.5	○	0.7	5400	-20...+70	45000 / 15000		2	405F	
6	3.5	12	10...14	19	4.0	○	0.6	4300	-20...+70	45000 / 15000		1	412FM	
8	4.7	12	10...14	26	4.5	○	0.7	5400	-20...+70	45000 / 15000		2	412F	
9	5.3	12	10...14	29	4.9	○	0.8	6000	-20...+70	45000 / 15000		3	412FH	
8	4.7	24	20...28	26	4.5	○	0.8	5400	-20...+70	45000 / 15000		2	414F	

SERIES 400

40x40x20 mm

10	5.9	5	4.5...5.5	18	3.8	○	0.9	6000	-20...+70	50000 / 20000		4	405
10	5.9	12	10...14	18	3.8	○	1.0	6000	-20...+70	50000 / 20000		4	412
13.5	8.0	12	10...14	29	3.8	○	1.6	8100	-20...+60	45000 / 15000		5	412H
10	5.9	24	20...28	18	3.8	○	1.0	6000	-20...+70	50000 / 20000		4	414
13.5	8.0	24	20...26.5	29	4.7	○	1.6	8100	-20...+70	45000 / 15000		5	414H

Type 412H and 414H with electronic protection against blocking

Type	Dimension:	A	B	C
400F		10 ^{+0.3} _{-0.1}	Ø3.5 ±0.1	Ø3.5 ±0.1
400		20 ±0.15	Ø4.3 ±0.1	Ø4.3 ±0.1

