

Fine Ace

- Brushless DC Motor with Plastic Fan Housing and Impeller
- Permanently Lubricated Dual Ball Bearing System
- Current Limiting System with Reverse Polarity Protection
- Color-coded 300mm AWG 24 Leads (stripped and thinned ends)
- Pulse/Lock/Inverse Lock/Low Speed/Inverse Low Speed Sensor Options
- Operating Temperature: -10 °C to +60 °C (No Condensation)
- Storage Temperature: -30 °C to +70 °C (No Condensation)
- Rotational Direction: CW looking at label
- Dielectric Strength: 50/60 Hz, 500 VAC, one (1) minute (between lead conductor and frame)
- Mass: 19g to 52g



40 x 40 x 10mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m ³ /min	CFM	Pa	inch/H ₂ O	V	V	dB(A)	W	min ⁻¹	
0.15	5.3	41.2	0.165	5	4.5 - 5.5	25	0.80	6200	109P0405H902
0.12	4.2	26.5	0.108	5	4.5 - 5.5	21	0.55	5000	109P0405M902
0.15	5.3	41.2	0.165	12	7.0 - 13.8	25	0.84	6200	109P0412H902
0.12	4.2	26.5	0.108	12	7.0 - 13.8	21	0.72	5000	109P0412M902

Click to view dimensional drawings

- [Models without sensor](#)
- [Models with sensor](#)

40 x 40 x 15mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m ³ /min	CFM	Pa	inch/H ₂ O	V	V	dB(A)	W	min ⁻¹	
0.18	6.4	75.5	0.30	5	4.5 - 5.5	28	1.40	7700	109P0405H702
0.15	5.3	53.0	0.21	5	4.5 - 5.5	24	1.05	6500	109P0405M702
0.20	7.06	89.6	0.36	12	10.2 - 13.8	32	2.40	8600	109P0412S702
0.18	6.4	75.5	0.30	12	10.2 - 13.8	28	1.56	7700	109P0412H702
0.15	5.3	53.0	0.21	12	10.2 - 13.8	24	1.14	6500	109P0412M702
0.12	4.2	34.9	0.14	12	10.2 - 13.8	20	0.96	5400	109P0412D7D01*
0.09	3.18	18.7	0.075	12	10.2 - 13.8	17	0.84	4000	109P0412B702
0.18	6.4	75.5	0.30	24	20.4 - 27.6	28	1.92	7700	109P0424H702

Click to view dimensional drawings

- [Models without sensor](#)
- [Models with sensor](#)



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40 x 40 x 20mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m ³ /min	CFM	Pa	inch/H ₂ O	V	V	dB(A)	W	min ⁻¹	
0.23	8.0	65.7	0.26	5	4.5 - 5.5	33	1.60	8000	109P0405H602
0.18	6.5	45.1	0.18	5	4.5 - 5.5	28	1.25	6500	109P0405F602
0.14	4.8	26.5	0.106	5	4.5 - 5.5	24	0.60	5000	109P0405M602
0.26	9.1	87.2	0.35	12	7.0 - 13.8	37	1.56	9200	109P0412E602
0.23	8.0	65.7	0.26	12	7.0 - 13.8	33	1.32	8000	109P0412H602
0.18	6.5	45.1	0.18	12	7.0 - 13.8	28	1.08	6500	109P0412F602
0.14	4.8	26.5	0.11	12	8.0 - 13.8	24	0.72	5000	109P0412M602
0.11	3.85	17.4	0.07	12	10.2 - 13.8	21	0.60	4000	109P0412L602
0.23	8.2	69.6	0.28	24	12.0 - 27.6	35	1.68	8300	109P0424H602
0.18	6.2	45.1	0.18	24	14.0 - 27.6	28	1.44	6500	109P0424F602
0.14	4.9	28.1	0.113	24	20.4 - 27.6	25	1.08	5200	109P0424B602

Click to view dimensional drawings

■ [Models without sensor](#)■ [Models with sensor](#)

40 x 40 x 28mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m ³ /min	CFM	Pa	inch/H ₂ O	V	V	dB(A)	W	min ⁻¹	
0.32	11.3	103.0	0.41	5	4.5 - 5.5	37	3.40	8700	109P0405H302
0.24	8.6	58.8	0.24	5	4.5 - 5.5	30	1.40	6700	109P0405F302
0.15	5.3	21.5	0.08	5	4.5 - 5.5	20	0.60	4100	109P0405M3D01*
0.42	14.8	178.8	0.71	12	7.0 - 13.2	42	3.72	11500	109P0412G302
0.38	13.4	143.0	0.57	12	7.0 - 13.8	40	3.36	10300	109P0412B302
0.32	11.3	103.0	0.41	12	7.0 - 13.8	37	2.34	8700	109P0412H302
0.24	8.6	58.8	0.24	12	7.0 - 13.8	30	1.26	6700	109P0412F302
0.15	5.3	21.6	0.09	12	10.2 - 13.8	20	0.54	4100	109P0412M302
0.42	14.8	178.8	0.71	24	12.0 - 26.4	42	4.56	11500	109P0424G302
0.38	13.4	143.0	0.57	24	12.0 - 26.4	43	3.12	10300	109P0424B302
0.32	11.3	103.0	0.41	24	12.0 - 27.6	37	2.28	8700	109P0424H302
0.24	8.6	58.8	0.24	24	14.0 - 27.6	30	1.32	6700	109P0424F302

Click to view dimensional drawings

■ [Models without sensor](#)■ [Models with sensor](#)

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- Notes: (1) Listed models are non-sensor types (exceptions: *lock sensor type)
- (2) Airflow, power input, speed and noise ratings are at nominal voltage against zero static pressure.
- (3) Static pressure ratings are at nominal voltage against zero air flow.
- (4) Noise ratings are average values as measured from a point one (1) meter from intake of fan suspended in an anechoic chamber.
- (5) Air performance curves show fan outputs with unobstructed inlets and outlets.
- (6) Some model types are without UL, CSA and TÜV approvals.