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 ºC to +60 ºC (No Condensation)
- Storage Temperature: -30 ºC to +70 ºC (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_20	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_20	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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Fine Ace

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	$inch/H_20$	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	$inch/H_20$	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.

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