

Mini 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)
- Thermal Speed Control and Dual-Speed Models Available
- 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: 140g to 170g



90 x 90 x 25mm

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	
2.03	71.7	89.6	0.36	12	6.0 - 13.8	47	6.72	4300	109P0912J402
1.66	58.6	61.3	0.24	12	10.2 - 13.8	39	3.84	3500	109P0912S402
1.45	51.2	45.1	0.18	12	10.2 - 13.8	33	2.52	2850	109P0912H402
1.45	51.2	44.8	0.18	12	10.2 - 13.8	33	3.12	2850	109P0912H4D01*
1.24	43.8	32.3	0.13	12	10.2 - 13.8	30	1.68	2450	109P0912F402
1.24	43.8	32.4	0.13	12	10.2 - 13.8	30	2.16	2450	109P0912F4D01*
1.04	36.7	23.5	0.09	12	10.2 - 13.8	27	1.20	2100	109P0912M402
1.04	36.7	23.5	0.09	12	10.2 - 13.8	27	0.96	2100	109P0912M4D01*
0.80	28.3	16.7	0.07	12	10.2 - 13.8	23	0.84	1700	109P0912L402
1.45	51.2	45.1	0.18	12	6.0 - 16.0	33	2.52	2850	109P0912W402
2.03	71.7	89.6	0.36	24	12.0 - 26.4	47	6.72	4300	109P0924J4011**
1.66	58.6	61.3	0.24	24	20.4 - 27.6	39	4.08	3500	109P0924S402
1.45	51.2	45.1	0.18	24	20.4 - 27.6	33	2.88	2850	109P0924H402
1.24	43.8	32.3	0.13	24	20.4 - 27.6	30	1.92	2450	109P0924F402
1.24	43.8	32.3	0.13	24	20.4 - 27.6	30	2.64	2450	109P0924F4D01*
1.04	36.7	23.5	0.09	24	20.4 - 27.6	27	1.44	2100	109P0924M402
1.04	36.7	23.5	0.09	24	20.4 - 27.6	27	1.56	2100	109P0924M4D01*
0.80	28.3	16.7	0.07	24	20.4 - 27.6	23	1.20	1700	109P0924L402
1.45	51.2	45.1	0.18	24	12.0 - 30.0	33	2.88	2850	109P0924W402
1.45	51.2	45.1	0.18	48	43.0 - 53.0	33	2.88	2850	109P0948H402

Click to view dimensional drawings

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

Mini Ace

92 x 92 x 32mm

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	
1.63	57.6	54.8	0.22	12	10.2 - 13.8	38	4.56	3200	109P0912A202
1.56	55.1	50.0	0.20	12	10.2 - 13.8	36	3.72	2900	109P0912H202
1.10	38.9	27.0	0.11	12	10.2 - 13.8	27	1.56	2100	109P0912M202
1.56	55.1	50.0	0.20	24	20.4 - 27.6	36	3.36	2900	109P0924H202
1.10	38.9	27.0	0.11	24	20.4 - 27.6	27	1.68	2100	109P0924M202
1.56	55.1	50.0	0.20	48	43.0 - 53.0	36	4.80	2900	109P0948H202

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- Notes: (1) Listed models are non-sensor types (exceptions: *lock sensor type, **ribless type with pulse sensor)
 (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 TUV approvals.