

## 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 <sup>3</sup> /min | CFM     | Pa              | inch/H <sub>2</sub> O | V               | V             | dB(A)          | W           | min <sup>-1</sup> |                              |
| 0.15                | 5.3     | 41.2            | 0.165                 | 5               | 4.5 - 5.5     | 25             | 0.80        | 6200              | <a href="#">109P0405H902</a> |
| 0.12                | 4.2     | 26.5            | 0.108                 | 5               | 4.5 - 5.5     | 21             | 0.55        | 5000              | <a href="#">109P0405M902</a> |
| 0.15                | 5.3     | 41.2            | 0.165                 | 12              | 7.0 - 13.8    | 25             | 0.84        | 6200              | <a href="#">109P0412H902</a> |
| 0.12                | 4.2     | 26.5            | 0.108                 | 12              | 7.0 - 13.8    | 21             | 0.72        | 5000              | <a href="#">109P0412M902</a> |

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- [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 <sup>3</sup> /min | CFM     | Pa              | inch/H <sub>2</sub> O | V               | V             | dB(A)          | W           | min <sup>-1</sup> |                                |
| 0.18                | 6.4     | 75.5            | 0.30                  | 5               | 4.5 - 5.5     | 28             | 1.40        | 7700              | <a href="#">109P0405H702</a>   |
| 0.15                | 5.3     | 53.0            | 0.21                  | 5               | 4.5 - 5.5     | 24             | 1.05        | 6500              | <a href="#">109P0405M702</a>   |
| 0.20                | 7.06    | 89.6            | 0.36                  | 12              | 10.2 - 13.8   | 32             | 2.40        | 8600              | <a href="#">109P0412S702</a>   |
| 0.18                | 6.4     | 75.5            | 0.30                  | 12              | 10.2 - 13.8   | 28             | 1.56        | 7700              | <a href="#">109P0412H702</a>   |
| 0.15                | 5.3     | 53.0            | 0.21                  | 12              | 10.2 - 13.8   | 24             | 1.14        | 6500              | <a href="#">109P0412M702</a>   |
| 0.12                | 4.2     | 34.9            | 0.14                  | 12              | 10.2 - 13.8   | 20             | 0.96        | 5400              | <a href="#">109P0412D7D01*</a> |
| 0.09                | 3.18    | 18.7            | 0.075                 | 12              | 10.2 - 13.8   | 17             | 0.84        | 4000              | <a href="#">109P0412B702</a>   |
| 0.18                | 6.4     | 75.5            | 0.30                  | 24              | 20.4 - 27.6   | 28             | 1.92        | 7700              | <a href="#">109P0424H702</a>   |

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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 <sup>3</sup> /min | CFM     | Pa              | inch/H <sub>2</sub> O | V               | V             | dB(A)          | W           | min <sup>-1</sup> |                              |
| 0.23                | 8.0     | 65.7            | 0.26                  | 5               | 4.5 - 5.5     | 33             | 1.60        | 8000              | <a href="#">109P0405H602</a> |
| 0.18                | 6.5     | 45.1            | 0.18                  | 5               | 4.5 - 5.5     | 28             | 1.25        | 6500              | <a href="#">109P0405F602</a> |
| 0.14                | 4.8     | 26.5            | 0.106                 | 5               | 4.5 - 5.5     | 24             | 0.60        | 5000              | <a href="#">109P0405M602</a> |
| 0.26                | 9.1     | 87.2            | 0.35                  | 12              | 7.0 - 13.8    | 37             | 1.56        | 9200              | <a href="#">109P0412E602</a> |
| 0.23                | 8.0     | 65.7            | 0.26                  | 12              | 7.0 - 13.8    | 33             | 1.32        | 8000              | <a href="#">109P0412H602</a> |
| 0.18                | 6.5     | 45.1            | 0.18                  | 12              | 7.0 - 13.8    | 28             | 1.08        | 6500              | <a href="#">109P0412F602</a> |
| 0.14                | 4.8     | 26.5            | 0.11                  | 12              | 8.0 - 13.8    | 24             | 0.72        | 5000              | <a href="#">109P0412M602</a> |
| 0.11                | 3.85    | 17.4            | 0.07                  | 12              | 10.2 - 13.8   | 21             | 0.60        | 4000              | <a href="#">109P0412L602</a> |
| 0.23                | 8.2     | 69.6            | 0.28                  | 24              | 12.0 - 27.6   | 35             | 1.68        | 8300              | <a href="#">109P0424H602</a> |
| 0.18                | 6.2     | 45.1            | 0.18                  | 24              | 14.0 - 27.6   | 28             | 1.44        | 6500              | <a href="#">109P0424F602</a> |
| 0.14                | 4.9     | 28.1            | 0.113                 | 24              | 20.4 - 27.6   | 25             | 1.08        | 5200              | <a href="#">109P0424B602</a> |

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### 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 <sup>3</sup> /min | CFM     | Pa              | inch/H <sub>2</sub> O | V               | V             | dB(A)          | W           | min <sup>-1</sup> |                                |
| 0.32                | 11.3    | 103.0           | 0.41                  | 5               | 4.5 - 5.5     | 37             | 3.40        | 8700              | <a href="#">109P0405H302</a>   |
| 0.24                | 8.6     | 58.8            | 0.24                  | 5               | 4.5 - 5.5     | 30             | 1.40        | 6700              | <a href="#">109P0405F302</a>   |
| 0.15                | 5.3     | 21.5            | 0.08                  | 5               | 4.5 - 5.5     | 20             | 0.60        | 4100              | <a href="#">109P0405M3D01*</a> |
| 0.42                | 14.8    | 178.8           | 0.71                  | 12              | 7.0 - 13.2    | 42             | 3.72        | 11500             | <a href="#">109P0412G302</a>   |
| 0.38                | 13.4    | 143.0           | 0.57                  | 12              | 7.0 - 13.8    | 40             | 3.36        | 10300             | <a href="#">109P0412B302</a>   |
| 0.32                | 11.3    | 103.0           | 0.41                  | 12              | 7.0 - 13.8    | 37             | 2.34        | 8700              | <a href="#">109P0412H302</a>   |
| 0.24                | 8.6     | 58.8            | 0.24                  | 12              | 7.0 - 13.8    | 30             | 1.26        | 6700              | <a href="#">109P0412F302</a>   |
| 0.15                | 5.3     | 21.6            | 0.09                  | 12              | 10.2 - 13.8   | 20             | 0.54        | 4100              | <a href="#">109P0412M302</a>   |
| 0.42                | 14.8    | 178.8           | 0.71                  | 24              | 12.0 - 26.4   | 42             | 4.56        | 11500             | <a href="#">109P0424G302</a>   |
| 0.38                | 13.4    | 143.0           | 0.57                  | 24              | 12.0 - 26.4   | 43             | 3.12        | 10300             | <a href="#">109P0424B302</a>   |
| 0.32                | 11.3    | 103.0           | 0.41                  | 24              | 12.0 - 27.6   | 37             | 2.28        | 8700              | <a href="#">109P0424H302</a>   |
| 0.24                | 8.6     | 58.8            | 0.24                  | 24              | 14.0 - 27.6   | 30             | 1.32        | 6700              | <a href="#">109P0424F302</a>   |

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- [Models with sensor](#)

## Fine Ace

- 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.