

# Orion Fans Part Number Configurator Tables - AC Fans



**OA 109 AP - 22 - 1 T B - 18**

**Special Function:**

**R** = Reverse Airflow      **03** = Temperature Control      **XC** = High Performance  
**18** = Metal Impeller      **55 or IP55** = IP55 Rated      **56 or IP56** = IP56 Rated  
**SF** = Salt Fog Rated      **IP68A** = IP68 & ATEX Rated

**Bearing Type:** **B** = Ball bearing      **S** = Sleeve Bearing

**Termination:** **T** = Quick connect terminals      **W** = 12" wire leads

**Speed Version:** **1** = High Speed      **2** = Medium Speed      **3** = Low Speed

**Voltage:** **11** = 115VAC      **12, 115** = 120VAC      **22, 23, 230** = 230VAC      **UR** = 80 - 265VAC depending on Series  
**11/22 or 1/2** = Dual Voltage (115VAC or 230VAC depending on wire connections)

**Frame Type:** **AP** = Aluminum painted      **APL** = Aluminum painted, low profile  
**AN** = Aluminum natural finish      **ANL** = Aluminum natural finish, low profile  
**EC** = Plastic with electronically commutated motor      **SAP** = Stackable aluminum painted  
**SAPL** = Stackable aluminum painted, low profile

(case size in mm) <b>60</b> = 60 x 60 x 30 <b>60EC</b> = 60 x 60 x 25 <b>825</b> = 80 x 80 x 25 <b>80</b> = 80 x 80 x 38 <b>938</b> = 92 x 92 x 38 <b>125</b> = 120 x 120 x 25 <b>109, 109EC</b> = 120 x 120 x 38 <b>4715</b> = 120 x 120 x 38 (low cost) <b>119</b> = 127 x 127 x 38	<b>5920 or 172 (SAP)</b> = 172 x 150 x 51 <b>162</b> = 172 x 172 x 55 (metal) <b>162-5E</b> = 172 x 172 x 55 <b>172 (SAPL)</b> = 172 x 150 x 38 <b>172SAP XC SF</b> = 172 x 150 x 55 <b>172AP</b> = 172 x 172 x 51 <b>172SAPEC</b> = 172 x 150 x 51 <b>180</b> = 176 x 176 x 89 <b>180 (ANL/APL)</b> = 180 x 180 x 65	<b>200</b> = 200 x 220 x 70 <b>200EC</b> = 250 x 76 <b>205</b> = 205 x 72 <b>225</b> = 225 x 225 x 80 <b>254</b> = 254 x 89 <b>2543</b> = 254 x 89 (3 blade) <b>2547</b> = 254 x 89 (7 blade) <b>280</b> = 280 x 280 x 80
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**Base Model**

**OA** = AC fan

Special function codes may not appear on the fan label unless specified by the customer

# Orion Fans Part Number Configurator Tables - DC Fans



**OD 12 38 AP-12 H T B 01**

**Special Function:**

- |  |   |   |
|--|---|---|
| <b>01</b> =Tachometer Output 5VTTL*        | <b>02</b> =Alarm Output 5VTTL*            | <b>03</b> =Thermistor Speed Control (hub) |
| <b>04</b> =Thermistor Speed Control (wire) | <b>05</b> =PWM Input                      | <b>06</b> =Dual Speed                     |
| <b>07</b> =Temperature Sensor              | <b>08</b> =Tachometer*+Alarm*             | <b>09</b> =Tachometer*+Thermistor         |
| <b>10</b> =Tachometer*+PWM                 | <b>11</b> =Tachometer*+Temperature Sensor | <b>12</b> =Alarm*+Thermistor              |
| <b>13</b> =Alarm*+PWM                      | <b>14</b> =Alarm*+Temperature Sensor      | <b>15</b> =Tachometer*+Alarm*+PWM         |
| <b>16</b> =Tachometer*+Alarm*+Thermistor   | <b>17</b> =Extra Long Lead Wires          | <b>18</b> =Metal Impeller                 |
| <b>19</b> =High Temperature                | <b>20</b> =Conformal Coating              | <b>21</b> =Customized                     |
| <b>55 or IP55</b> =IP55 Rated              | <b>SF</b> =Salt Fog Rated                 |   |

\* To specify "open collector" instead of 5VTTL, add the letter "a" after the special functions code

**High Static Pressure:** **XC**=High Performance    **VXC**=Vane Axial    **XC,XE,XJ**=Super High Performance

**Bearing Type:** **B** = Ball bearing    **S** = Sleeve Bearing    **SS** = Sealed Sleeve Bearing

**Termination:** **T** = Quick connect terminals    **{blank}** = 12" wire leads

**Speed Version:** **HH**=Extra High Speed    **H**=High Speed    **M**=Medium Speed  
**L**=Low Speed    **LL**=Extra Low Speed

**Voltage:** **05** = 5VDC    **12** = 12VDC    **24** = 24VDC    **48** = 48VDC    **60** = 60VDC    Other voltages available

**Frame Type:** **{blank}** = Thermoplastic Construction    **AP** = Diecast Aluminum Black  
**SAPL** = Stackable Diecast Aluminum Black, Low Profile    **APL** = Diecast Aluminum Black, Low Profile  
**SAP** = Stackable Diecast Aluminum Black    **SPOT** = Spot Cooling w/ AC Adapter  
**SPOT / DIN** = Spot Cooling w/ AC Adapter & DIN mounting package

**Thickness:** **06** = 6mm    **10** = 10mm    **15** = 15mm    **20** = 20mm    **25** = 25mm    **28** = 28mm  
**32** = 32mm    **35** = 35mm    **38** = 38mm    **45** = 45mm    **56** = 56mm

**Frame Size (in mm):** **25** = 25 x 25    **30** = 30 x 30    **40** = 40 x 40    **50** = 50 x 50    **52** = 52 x 52    **60** = 60 x 60  
**70** = 70 x 70    **80** = 80 x 80    **92** = 92 x 92    **12** = 120 x 120    **127** = 127 x 38    **172(SAPL)** = 172 x 38  
**172** = 172 x 150    **180** = 180 x 65    **254** = 254 x 89    **280** = 280 x 89

Thickness dimensions are not included in part numbers for these frame sizes: 127, 172, 180, 254, 280

**Base Model:** **OD** = DC fan

Additional suffixes consisting of both numbers and letters may be applied for multiple fan modifications

Special function codes may not appear on the fan label unless specified by the customer

# Orion Fans Part Number Configurator Tables - AC Blowers & Motorized Impellers



**OAB 800 AN - 22 - 3 B**

**Bearing Type:** **B** or **Blank** = Dual Ball Bearing Sealed

**Speed Options:** **1** = High Speed  
**2** = Medium Speed  
**3** = Low Speed  
**1/2** = Dual Speed

**Voltage:** **11** = 115 or 120VAC  
**22** = 220 or 230VAC

**Frame Type:** **AN** = Aluminum natural finish  
**Blank** = Diecast Aluminum

## AC Blowers

**Model:** **800** = 125 x 126 x 39  
(size in mm) **908** = 183 x 190 x 70

## AC Motorized Impellers

<b>Model:</b> <b>13372</b> = 133 x 72	<b>22585</b> = 225 x 85
(size in mm) <b>13391</b> = 133 x 91	<b>22599</b> = 225 x 99
<b>18055</b> = 182 x 55	<b>250</b> = 251 x 98
<b>190</b> = 190 x 70	<b>318</b> = 318 x 154
<b>220</b> = 220 x 71	<b>360</b> = 360 x 167
<b>22569</b> = 225 x 69	<b>400</b> = 404 x 162

**Base Model:** **OAB** = AC Blower  
**OAB** = AC Motorized Impeller

Other models and frame sizes available  
All AC motorized impellers ship with required capacitor

# Orion Fans Part Number Configurator Tables - DC Blowers & Motorized Impellers



**ODB 1232 - 24 HH B**

**Special Function:**

- 01A = Tachometer Open Collector
- 02A = Alarm Open Collector
- 05 = PWM Input
- 10A = Tachometer Open Collector + PWM

- 17 = Extra Long Lead Wires
- 20 = Conformal Coating
- 21 = Customized
- 55 or IP55 = IP55 Rated

**Bearing Type:** B = Dual Ball Bearing Sealed

**Speed Options:** HH = Extra High Speed  
 H = High Speed  
 M = Medium Speed  
 L = Low Speed

**Voltage:** 5 = 5VDC  
 12 = 12VDC  
 24 = 24VDC  
 48 = 48VDC

**Frame Type:** PT or Blank = Thermoplastic AN = Aluminum natural finish

**DC Blowers**

- Model:** (size in mm)
- 5009 = 50 x 50 x 09
  - 5115 = 51 x 15
  - 6015 = 60 x 15
  - 7530 = 75 x 30
  - 9733 = 96 x 33
  - 600 = 120 x 31
  - 1232 = 120 x 32
  - 182 = 182 x 171 x 82

**DC Motorized Impellers**

- Model:** (size in mm)
- 13391 = 133 x 91
  - 17567 = 175 x 67
  - 19069 = 190 x 69
  - 22071 = 220 x 71
  - 22599 = 225 x 99
  - 250110 = 250 x 110

**Base Model:** ODB = DC Blower  
 ODB = DC Motorized Impellers

Other models and frame sizes available