

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



**OA 109 AP - 11 - 1 T B XC 01**

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|--|--|
| 01 = Tachometer Output 5V TTL*         | 02 = Alarm Output 5V TTL*              |
| 03 = Thermistor Speed Control (Hub)    | 04 = Thermistor Speed Control (Wire)   |
| 05 = PWM Speed Control Input           | 06 = Dual Speed                        |
| 07 = Temperature Sensor                | 08 = Tachometer* + Alarm*              |
| 09 = Tachometer* + Thermistor          | 10 = Tachometer* + PWM                 |
| 11 = Tachometer* + Temperature Sensor  | 12 = Alarm* + Thermistor               |
| 13 = Alarm* + PWM                      | 14 = Alarm* + Temperature Sensor       |
| 15 = Tachometer* + Alarm* + PWM        | 16 = Tachometer* + Alarm* + Thermistor |
| 17 = Extra Long Lead Wires             | 18 = Metal Impeller                    |
| 19 = High Temperature                  | 20 = Conformal Coating                 |
| 21 = Customized, by Customer Drawing   | 22 = 0-10V Speed Control               |
| 23 = 0-10V Speed Control + Alarm*      | 24 = 0-10V Speed Control + Tach*       |
| 55 or IP55 = IP55 Rated                | SF = Salt Fog Rated                    |
| 68 or IP68 = IP68 Rated                | 69K or IP69K = IP69K Rated             |
| 68A or IP68A = IP68 Rated & ATEX Rated | CR = Corrosion Resistant               |
| R = Reverse Airflow                    | X = Boxed                              |

**Special Function:**

\* To specify "open collector" instead of 5V TTL, add the letter "A" after the special functions code.  
For Inverted Alarm logic, add the letter "i" after the special functions code

**High Performance:**

XC, XE, XJ = High Speed  
Blank = Standard Speed  
VXE, VXC, VXJ = High Speed Vane Axial

**Bearing Type:**

B or Blank = Ball  
S = Sleeve  
SS = Sealed Sleeve

**Termination:**

T = Quick connect terminals  
W or Blank = Wire Leads

**Speed Versions:**

1/2 = Dual  
Lower **3** ← → **2** **1** Higher

**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)  
Other voltages available

**Frame Type:**

AP = Die Cast Aluminum Black	ANL = Aluminum Natural Finish, Low Profile	Blank = Die Cast Aluminum
AN = Aluminum Natural Finish	SAP = Shaved Die Cast Aluminum Black	
EC = Plastic With Electronically Commutated Motor	SAN = Shaved Die Cast Aluminum Natural	
SAPL = Shaved Die Cast Aluminum Black, Low Profile		

**Frame Size (mm):**

60 = 60 x 60 x 30	162 = 172 x 172 x 55 (metal)	205 = 205 x 72	18055 = 182 x 55
60EC = 60 x 60 x 25	162-5E = 172 x 172 x 55	225 = 225 x 225 x 80	190 = 190 x 70
825 = 80 x 80 x 25	172 (SAPL) = 172 x 150 x 38	254 = 254 x 89	220 = 220 x 71
80 = 80 x 80 x 38	172SAP XC SF = 172 x 150 x 55	2543 = 254 x 89 (3 blade)	22569 = 225 x 69
938 = 92 x 92 x 38	172AP = 172 x 172 x 51	2547 = 254 x 89 (7 blade)	22585 = 225 x 85
125 = 120 x 120 x 25	172SAPEC = 172 x 150 x 51	280 = 280 x 280 x 80	22599 = 225 x 99
109,109EC = 120 x 120 x 38	180 = 176 x 176 x 89	800 = 125 x 126 x 39	250 = 251 x 98
4715 = 120 x 120 x 38	180 (ANL/APL) = 180 x 180 x 65	908 = 183 x 190 x 70	318 = 318 x 154
119 = 127 x 127 x 38	200 = 200 x 220 x 70	13372 = 133 x 72	360 = 360 x 167
5920 or 172 (SAP) = 172 x 150 x 51	200EC = 250 x 76	13391 = 133 x 91	400 = 404 x 162

**Base Model:**

OA = AC Fan  
OAB = AC Blower / Centrifugal Fan  
OAM, OAS = Open Frame Motor

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



# Orion Fans Part Number Configurator Tables - Fan Trays

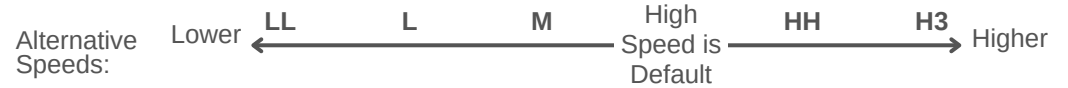


**O A 3 0 2 S -A**

- 01 = Tachometer Output 5V TTL\*
  - 03 = Thermistor Speed Control (Hub)
  - 05 = PWM Speed Control Input
  - 7 = 7" Short Rails
  - 09 = Tachometer\* + Thermistor
  - 13 = Alarm\* + PWM
  - 15 = Tachometer\* + Alarm\* + PWM
  - 19 = High Temperature
  - 21 = Customized, by Customer Drawing
  - 23 = 0-10V Speed Control + Alarm\*
  - 55 or IP55 = IP55 Rated
  - 68 or IP68 = IP68 Rated
  - 68A or IP68A = IP68 Rated & ATEX Rated
  - DUAL = Redundant Dual Power Supplies (C8 Input)
  - IEC-DUAL = Redundant Dual Power Supplies (C14 Input)
- Z = Reversible Direction via PWM
  - 02 = Alarm Output 5V TTL\*
  - 04 = Thermistor Speed Control (Wire)
  - 08 = Tachometer\* + Alarm\*
  - 10 = Tachometer\* + PWM
  - 12 = Alarm\* + Thermistor
  - 22 = 0-10V Speed Control
  - 24 = 0-10V Speed Control + Tach\*
  - 69K or IP69K = IP69K Rated
  - ER = Rail Extension Removed
  - A = Additional Expansion Module
  - IEC = C14 IEC Input Socket

\* To specify "Open Collector" instead of 5V TTL, add the letter "A" after the Tach or Alarm code. For Inverted Alarm logic (Fail LOW), add the letter "I" after the Alarm code. Additional suffixes consisting of both numbers and letters may be applied for multiple fan modifications.

**Special Functions:**



**Tray Style:**

S = Short Loaded, Modular      ST = Short Tray, Permanent

**Voltage:**

0 = 115 VAC      3 = 24 VDC  
 1 = 12 VDC      4 = 48 VDC      6 = 60 VDC  
 2 = 230 VAC      5 = Universal Range AC

**Rack Unit:**

0 or 1 = 1 RU      2 = 2 RU      3 = 3 RU

**# of Fans:**

2 = 2 Fans      3 = 3 Fans      6 = 6 Fans      9 = 9 Fans

**Fan Type:**

D = DC Fan      A = AC Fan      E = EC Fan

**Brand:**

O = Orion

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