

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 |
| D = Dual Impeller | |

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 1/2/3 or 4/5/6 = Three Speed Lower 6 ← 5 4 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	APL = Aluminum Painted, Low Profile	SAP = Shaved Die Cast Aluminum Black
AN = Aluminum Natural Finish	ANL = Aluminum Natural Finish, Low Profile	SAN = Shaved Die Cast Aluminum Natural
EC = Plastic With Electronically Commutated Motor	EAN = Electronically Commutated, Natural Aluminum	Blank = Die Cast Aluminum
SAPL = Shaved Die Cast Aluminum Black, Low Profile	EAP = Electronically Commutated, Painted Aluminum	

Frame Size (mm):

60 = 60 x 60 x 30	5920 or 172 (SAP) = 172 x 150 x 51	200EC = 250 x 76	13391 = 133 x 91	400 = 404 x 162
60EC = 60 x 60 x 25	162 = 172 x 172 x 55 (metal)	205 = 205 x 72	18055 = 182 x 55	
825 = 80 x 80 x 25	162-5E = 172 x 172 x 55	225 = 225 x 225 x 80	190 = 190 x 70	
80 = 80 x 80 x 38	172 (SAPL) = 172 x 150 x 38	254 = 254 x 89	220 = 220 x 71	
92 = 92 x 92 x 25	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	

Base Model: OA = AC Fan OAB = AC Blower / Centrifugal Fan OAM = AC Motor OEM = EC Motor OAS = AC Skeleton Fan

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

Orion Fans Part Number Configurator Tables - DC Fans & Blowers



OD 12 38 AP-12 H T B 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 | Z = PWM Reversible |
| CR = Corrosion Resistant | 69K or IP69K = IP69K Rated |
| 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 = Ball **S** = Sleeve **SS** = Sealed Sleeve

Termination:

T = Quick Connect Terminals **Blank** = Wire Leads

Speed Versions:

Lower ← **LL** **L** **M** **H** **HH** **H3** → Higher

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

Frame Type:

Blank = Thermoplastic Construction	AP = Die Cast Aluminum Black
SAPL = Shaved Die Cast Aluminum Black, Low Profile	APL = Die Cast Aluminum Black, Low Profile
SAP = Shaved Die Cast Aluminum Black	AN = Aluminum, Natural Finish
SAN = Shaved Die Cast Aluminum Natural	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 (mm):

25 = 25 x 25	60 = 60 x 60	172 = 172 x 51	5009 = 50 x 50 x 09	1232 = 120 x 32	
30 = 30 x 30	70 = 70 x 70	172(SAP) = 172 x 150 x 51	5115 = 51 x 15	182 = 182 x 171 x 82	22071 = 220 x 71
38 = 38 x 38	80 = 80 x 80	172(SAPL) = 172 x 150 x 38	6015 = 60 x 15	13391 = 133 x 91	22599 = 225 x 99
40 = 40 x 40	92 = 92 x 92	180 = 180 x 65	7530 = 75 x 30	17567 = 175 x 67	250110 = 250 x 110
50 = 50 x 50	120 = 120 x 120	254 = 254 x 89	9733 = 96 x 33	19069 = 190 x 69	
52 = 52 x 52	127 = 127 x 38	280 = 280 x 89	600 = 120 x 31		

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

Base Model:

OD = DC Fan	ODS = Frameless, Motorized Rotor Only	ODB = DC Blower / Centrifugal 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.
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Orion Fans Part Number Configurator Tables - Fan Trays

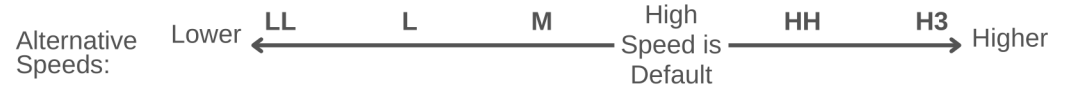


O AT 3 0 2 S -A

- 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
- 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
- XC, XE, XJ, VXC, VXE, VXJ = High Performance
- RV = Reverse Airflow Direction

* 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 Blank = Full Length

Voltage:

0 = 115 VAC 3 = 24 VDC 6 = 60 VDC
 1 = 12 VDC 4 = 48 VDC 7 = Dual Voltage 115/230VAC
 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:

DT or D = DC Fan Tray AT or A = AC Fan Tray ET or E = EC Fan Tray

Brand:

O = Orion

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