



# ORION FANS PART NUMBER CONFIGURATOR TABLES

## AC FANS & BLOWERS

OA 109 AP - 11 - 1 T B XC 01

Special Function:

- 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
- 68 or IP68 = IP68 Rated
- 68A or IP68A = IP68 Rated & ATEX Rated
- 68C or IP68C = IP68 & IEC 60079 Rated
- 68D or IP68D = IP68 & UL 60079 Rated
- 69K or IP69K = IP69K Rated
- CR = Corrosion Resistant
- D = Dual Impeller
- R = Reverse Airflow
- SF = Salt Fog Rated
- X = Boxed

\* 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   24 = 24VAC   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  
AN = Aluminum Natural Finish  
ANL = Aluminum Natural Finish, Low Profile

Blank = Die Cast Aluminum  
EAN = Electronically Commutated, Natural Aluminum  
EAP = Electronically Commutated, Painted Aluminum  
EC = Plastic With Electronically Commutated Motor

SAN = Shaved Die Cast Aluminum Natural  
SAP = Shaved Die Cast Aluminum Black  
SAPL = Shaved Die Cast Aluminum Black, Low Profile  
Y = Plastic with Shaded Pole Motor

Frame Size (mm):

60 = 60 x 60 x 30  
60EC = 60 x 60 x 25  
80 = 80 x 80 x 38  
92 = 92 x 92 x 25  
109,109EC = 120 x 120 x 38  
119 = 127 x 127 x 38  
125 = 120 x 120 x 25  
162 = 172 x 172 x 55 (metal)  
162-5E = 172 x 172 x 55

172 (SAPL) = 172 x 150 x 38  
172AP = 172 x 172 x 51  
172SAP XC SF = 172 x 150 x 55  
172SAPEC = 172 x 150 x 51  
180 = 176 x 176 x 89  
180 (ANL/APL) = 180 x 180 x 65  
190 = 190 x 70  
200 = 200 x 220 x 70  
200EC = 250 x 76

205 = 205 x 72  
220 = 220 x 71  
225 = 225 x 225 x 80  
250 = 251 x 98  
254 = 254 x 89  
280 = 280 x 280 x 80  
318 = 318 x 154  
360 = 360 x 167  
400 = 404 x 162

800 = 125 x 126 x 39  
825 = 80 x 80 x 25  
908 = 183 x 190 x 70  
938 = 92 x 92 x 38  
2543 = 254 x 89 (3 blade)  
2547 = 254 x 89 (7 blade)  
4715 = 120 x 120 x 38  
5920 or 172 (SAP) = 172 x 150 x 51

22569 = 225 x 69  
22585 = 225 x 85  
22599 = 225 x 99  
13372 = 133 x 72  
13391 = 133 x 91  
18055 = 182 x 55

Base Model:

OA = AC Fan   OAB = AC Blower / Centrifugal Fan  
OE = EC Fan   OEC = EC Centrifugal Fan

OAM = AC Motor

OAS = AC Skeleton Fan

OAP = AC Plate Fan

OEM = EC Motor

OES = EC Skeleton Fan

OEP = EC Plate 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 XC 01



Frame Size (mm):  
25 = 25 x 25  
30 = 30 x 30  
38 = 38 x 38  
40 = 40 x 40  
50 = 50 x 50  
52 = 52 x 52

Thickness:

25 = 25 x 25	60 = 60 x 60	172 = 172 x 51	280 = 280 x 89	7530 = 75 x 30	22599 = 225 x 99
30 = 30 x 30	70 = 70 x 70	172(SAP) = 172 x 150 x 51	600 = 120 x 31	9733 = 96 x 33	250110 = 250 x 110
38 = 38 x 38	80 = 80 x 80	172(SAPL) = 172 x 150 x 38	1232 = 120 x 32	13391 = 133 x 91	
40 = 40 x 40	92 = 92 x 92	180 = 180 x 65	5009 = 50 x 50 x 09	17567 = 175 x 67	
50 = 50 x 50	12 = 120 x 120	182 = 182 x 171 x 82	5115 = 51 x 15	19069 = 190 x 69	
52 = 52 x 52	127 = 127 x 38	254 = 254 x 89	6015 = 60 x 15	22071 = 220 x 71	

Frame Type:

AN = Aluminum, Natural Finish  
AP = Die Cast Aluminum Black  
APL = Die Cast Aluminum Black, Low Profile  
Blank = Thermoplastic Construction  
SAN = Shaved Die Cast Aluminum Natural

SAP = Shaved Die Cast Aluminum Black  
SAPL = Shaved Die Cast Aluminum Black, Low Profile  
SPOT = Spot Cooling w/ AC Adapter  
SPOT / DIN = Spot Cooling w/ AC Adapter & DIN mounting package

Voltage:

05 = 5VDC 12 = 12VDC 24 = 24VDC 48 = 48VDC 60 = 60VDC

Other voltages available

Termination:

T = Quick connect terminals Blank = Wire Leads

Speed Versions:

Lower ← LL L M H HH H3 → Higher

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  
68 or IP68 = IP68 Rated  
68C or IP68C = IP68 & IEC 60079 Rated  
68D or IP68D = IP68 & UL 60079 Rated  
69K or IP69K = IP69K Rated  
CR = Corrosion Resistant  
D = Dual Impeller  
SF = Salt Fog Rated  
Z = PWM Reversible  
X = Boxed

\* 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

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

Base Model:

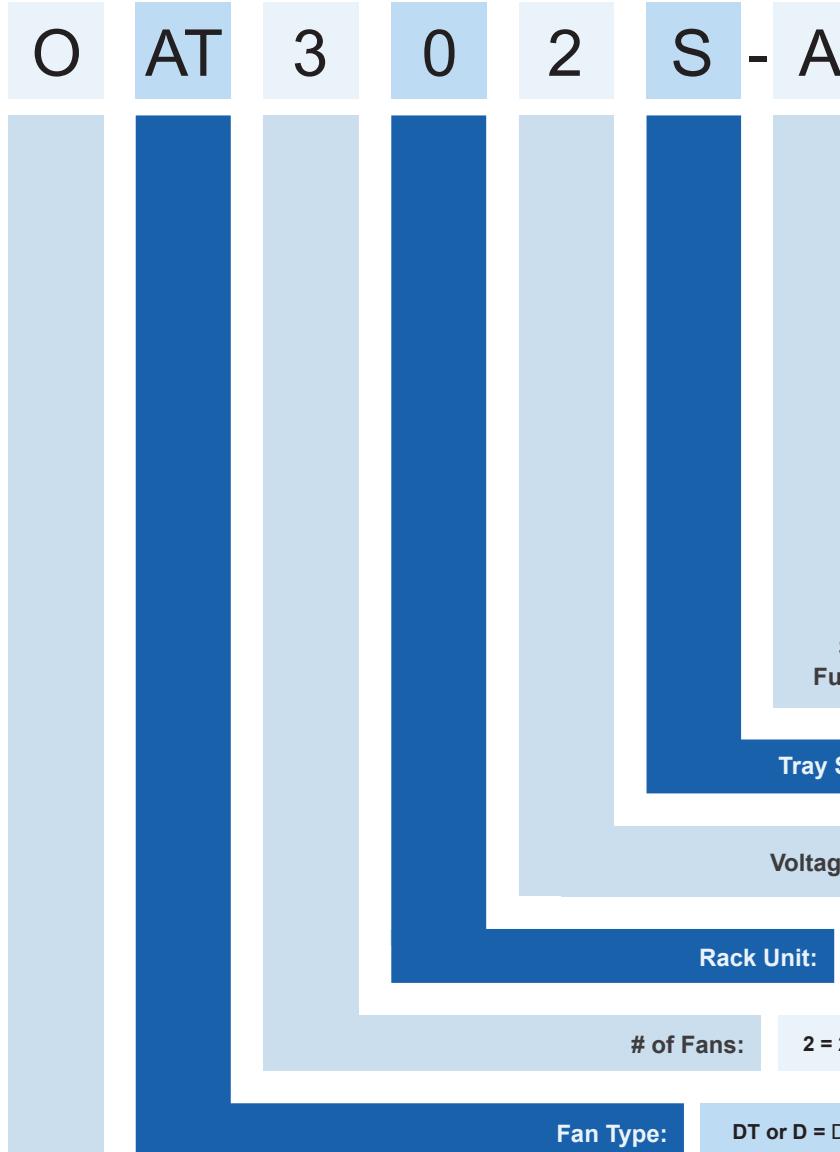
OD = DC Fan ODS = Frameless, Motorized Rotor Only ODB = DC Blower / Centrifugal Fan  
ODM = DC Motor ODP = DC Plate Fan

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.

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

# ORION FANS PART NUMBER CONFIGURATOR TABLES

## FAN TRAYS



**Brand:**

O = Orion

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