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 **OAM =** AC Motor **OAS =** AC Skeleton Fan **OAP =** AC Plate Fan
OE = EC Fan **OEC =** EC Centrifugal 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

Special Function:

01 = Tachometer Output 5V TTL*	**18 =** Metal Impeller
02 = Alarm Output 5V TTL*	**19 =** High Temperature
03 = Thermistor Speed Control (Hub)	**20 =** Conformal Coating
04 = Thermistor Speed Control (Wire)	**21 =** Customized, by Customer Drawing
05 = PWM Speed Control Input	**22 =** 0-10V Speed Control
06 = Dual Speed	**23 =** 0-10V Speed Control + Alarm*
07 = Temperature Sensor	**24 =** 0-10V Speed Control + Tach*
08 = Tachometer* + Alarm*	**55 or IP55 =** IP55 Rated
09 = Tachometer* + Thermistor	**68 or IP68 =** IP68 Rated
10 = Tachometer* + PWM	**68C or IP68C =** IP68 & IEC 60079 Rated
11 = Tachometer* + Temperature Sensor	**68D or IP68D =** IP68 & UL 60079 Rated
12 = Alarm* + Thermistor	**69K or IP69K =** IP69K Rated
13 = Alarm* + PWM	**CR =** Corrosion Resistant
14 = Alarm* + Temperature Sensor	**D =** Dual Impeller
15 = Tachometer* + Alarm* + PWM	**SF =** Salt Fog Rated
16 = Tachometer* + Alarm* + Thermistor	**Z =** PWM Reversible
17 = Extra Long Lead Wires	**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 **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:

AN = Aluminum, Natural Finish	**SAP =** Shaved Die Cast Aluminum Black
AP = Die Cast Aluminum Black	**SAPL =** Shaved Die Cast Aluminum Black, Low Profile
APL = Die Cast Aluminum Black, Low Profile	**SPOT =** Spot Cooling w/ AC Adapter
Blank = Thermoplastic Construction	**SPOT / DIN =** Spot Cooling w/ AC Adapter & DIN mounting package
SAN = Shaved Die Cast Aluminum Natural	

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

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.*

ORION FANS PART NUMBER CONFIGURATOR TABLES

FAN TRAYS

O	AT	3	0	2	S	-	A

Special Function:

01 = Tachometer Output 5V TTL*
02 = Alarm Output 5V TTL*
02RO = Relay Alarm, Running Open / Locked Rotor Closed
02RC = Relay Alarm, Running Closed / Locked Rotor Open
03 = Thermistor Speed Control (Hub)
04 = Thermistor Speed Control (Wire)
05 = PWM Speed Control Input
7 = 7" Short Rails
08 = Tachometer* + Alarm*
09 = Tachometer* + Thermistor
10 = Tachometer* + PWM
12 = Alarm* + Thermistor
13 = Alarm* + PWM
15 = Tachometer* + Alarm* + PWM
19 = High Temperature
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
69K or IP69K = IP69K Rated
A = Additional Expansion Module
DCC = 6' DC Tray Power Cord
DUAL = Redundant Dual Power Supplies
ER = Rail Extension Removed
G = Double Fan Guards
IEC = C14 IEC Input Socket
IEC-DUAL = Redundant Dual Power Supplies (C14 Input)
IECC = Corded C14 IEC Input Socket
RV = Reverse Airflow Direction
SL = Rocker Power Switch, Lighted
SW = Rocker Power Switch
XC, XE, XJ, VXC, VXE, VXJ = High Performance
Z = Reversible Direction via PWM

** 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.

Alternative Speeds:

Lower ← **LL** — **L** — **M** — **High Speed is Defult** — **HH** — **H3** → **Higher**

Tray Style: **Blank =** Full Length **S =** Short Loaded, Modular **ST =** Short Tray, Permanent

Voltage: **0 =** 115 VAC **1 =** 12 VDC **2 =** 230 VAC **3 =** 24 VDC **4 =** 48 VDC **5 =** Universal Range AC **6 =** 60 VDC **7 =** Dual Voltage 115/230VAC

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.