

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*
- 03 = Thermistor Speed Control (Hub)
- 05 = PWM Speed Control Input
- 07 = Temperature Sensor
- 09 = Tachometer* + Thermistor
- 11 = Tachometer* + Temperature Sensor
- 13 = Alarm* + PWM
- 15 = Tachometer* + Alarm* + PWM
- 17 = Extra Long Lead Wires
- 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
- R = Reverse Airflow
- D = Dual Impeller
- 02 = Alarm Output 5V TTL*
- 04 = Thermistor Speed Control (Wire)
- 06 = Dual Speed
- 08 = Tachometer* + Alarm*
- 10 = Tachometer* + PWM
- 12 = Alarm* + Thermistor
- 14 = Alarm* + Temperature Sensor
- 16 = Tachometer* + Alarm* + Thermistor
- 18 = Metal Impeller
- 20 = Conformal Coating
- 22 = 0-10V Speed Control
- 24 = 0-10V Speed Control + Tach*
- SF = Salt Fog Rated
- 68C or IP68C = IP68 & IEC 60079 Rated
- 68D or IP68D = IP68 & UL 60079 Rated
- 69K or IP69K = IP69K Rated
- CR = Corrosion Resistant
- 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
- AN = Aluminum Natural Finish
- EC = Plastic With Electronically Commutated Motor
- SAPL = Shaved Die Cast Aluminum Black, Low Profile
- APL = Aluminum Painted, Low Profile
- ANL = Aluminum Natural Finish, Low Profile
- EAN = Electronically Commutated, Natural Aluminum
- EAP = Electronically Commutated, Painted Aluminum
- SAP = Shaved Die Cast Aluminum Black
- SAN = Shaved Die Cast Aluminum Natural
- Y = Plastic with Shaded Pole Motor
- Blank = Die Cast Aluminum

Frame Size (mm):

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

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		
										01 = Tachometer Output 5V TTL* 03 = Thermistor Speed Control (Hub) 05 = PWM Speed Control Input 07 = Temperature Sensor 09 = Tachometer* + Thermistor 11 = Tachometer* + Temperature Sensor 13 = Alarm* + PWM 15 = Tachometer* + Alarm* + PWM 17 = Extra Long Lead Wires 19 = High Temperature 21 = Customized, by Customer Drawing 23 = 0-10V Speed Control + Alarm* 55 or IP55 = IP55 Rated 68 or IP68 = IP68 Rated CR = Corrosion Resistant X = Boxed 02 = Alarm Output 5V TTL* <i>* 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</i>	04 = Thermistor Speed Control (Wire) 06 = Dual Speed 08 = Tachometer* + Alarm* 10 = Tachometer* + PWM 12 = Alarm* + Thermistor 14 = Alarm* + Temperature Sensor 16 = Tachometer* + Alarm* + Thermistor 18 = Metal Impeller 20 = Conformal Coating 22 = 0-10V Speed Control 24 = 0-10V Speed Control + Tach* SF = Salt Fog Rated Z = PWM Reversible 68C or IP68C = IP68 & IEC 60079 Rated 68D or IP68D = IP68 & UL 60079 Rated 69K or IP69K = IP69K Rated
										Special Function:	
										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 <i>Other voltages available</i>
										Frame Type:	Blank = Thermoplastic Construction SAPL = Shaved Die Cast Aluminum Black, Low Profile SAP = Shaved Die Cast Aluminum Black SAN = Shaved Die Cast Aluminum Natural SPOT / DIN = Spot Cooling w/ AC Adapter & DIN mounting package AP = Die Cast Aluminum Black APL = Die Cast Aluminum Black, Low Profile AN = Aluminum, Natural Finish SPOT = Spot Cooling w/ AC Adapter
										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 22599 = 225 x 99 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 250110 = 250 x 110 38 = 38 x 38 80 = 80 x 80 172(SAPL) = 172 x 150 x 38 6015 = 60 x 15 13391 = 133 x 91 40 = 40 x 40 92 = 92 x 92 180 = 180 x 65 7530 = 75 x 30 17567 = 175 x 67 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 22071 = 220 x 71 <i>Thickness dimensions are not included in part numbers for these frame sizes: 127, 172, 180, 254, 280</i>

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.*
ODM = DC Motor **ODP** = DC Plate Fan *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*
- 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)

** 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.

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
- G = Double Fan Guards

Alternative Speeds:

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

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

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