



ORION FANS
10557 Metric Dr
Dallas, TX 75243

Product Change Notification: OD1238 DC Fan Series

Issued: January 5, 2026

Type of Change: Product Redesign. Electrical, mechanical, and performance specifications are impacted.

Reason for Change: This change improves performance specifications, manufacturability, and changes the country of origin.

Affected Products: OD1283-12HSS, OD1238-24MSS

Description of Change:

Orion routinely makes changes to the designs of our Commercial Off the Shelf (COTS) products as we respond to the availability of parts for manufacturing, the global manufacturing context, and the state of the art in product design. This product using Sealed Sleeve type bearings has been redesigned, and production relocated to Taiwan. This redesign has also enabled the release of new product models and options to match Ball Bearing product specifications where possible. The previous design revision will transition to "Custom" status. Customers requiring the legacy design for qualification or consistency purposes must use the custom part numbers listed below.

Note: Minimum Order Quantities (MOQ) and extended lead times will apply to all legacy design orders.

Implementation Date: Q1 2026

Previous Design Part Number	Custom Ordering Number
OD1238-12HSS	123143001
OD1238-24MSS	123233001
OD1238 Sealed Sleeve with Custom Build Options	Contact Orion Fans to Obtain Part Number

Specification Comparison

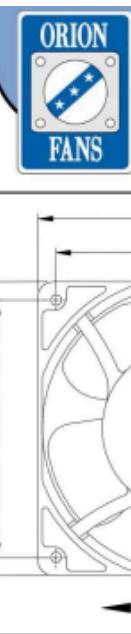
See page 2 showing the previous product specifications. Pages 3 and following show current production specifications. Product specifications are subject to change without prior notice.

Previous Specifications:

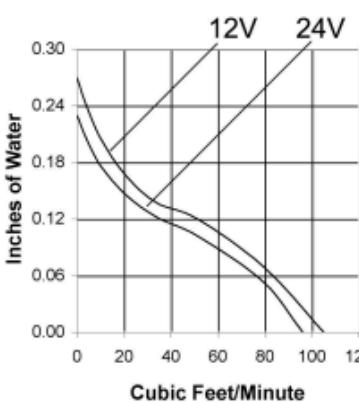
OD1238 Sealed Sleeve Series



DC Fans - 12, 24V
120mm x 38.5mm (4.7" x 1.5")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -10°C ~ +70°C <u>Storage Temperature</u> -20°C ~ +70°C <u>Life Expectancy</u> 50,000 Hours (L10 at 40°C) <u>Available Options</u> Ball Bearings Tachometer Output Alarm Output PWM Speed Control Input Temperature Speed Control IP Ratings Weight: 0.57 lbs
Impeller	PBT, UL94 V-0 Plastic	
Connection	2x Lead Wires, 24 AWG	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	
Bearing System	Sealed Sleeve	
Dielectric Strength	500VDC/min, <1mA	
Insulation Resistance	≥10MΩ @ 500 VDC	



Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Max Watts)	Rated Current (Max Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O)
OD1238-12HSS	12	9 ~ 13.8	6.0	0.50	2800	105	47	0.27
OD1238-24MSS	24	16 ~ 26	5.5	0.23	2540	96	47	0.23

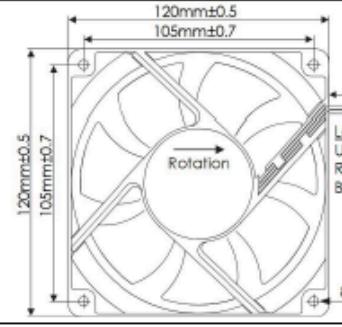
New Specifications as of the date of this notice. Orion Fans reserves the right to revise specifications without prior notice for Commercial Off-the-Shelf products.

OD1238 Series



DC Fans - 12, 24, 48V
120mm x 38mm (4.7" x 1.5")





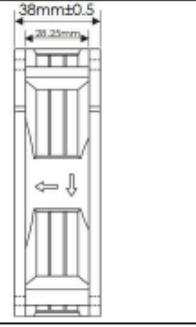
120mm±0.5
105mm±0.7
105mm±0.7
120mm±0.5

Rotation

300mm±10

Lead Wires:
UL 1007, 22 AWG
Red Wire : DC+
Black Wire : DC- / GND

8x- Ø4.3mm±0.3



38mm±0.5
20.25mm

Frame	PBT, UL94 V-0 Plastic
Impeller	PBT, UL94 V-0 Plastic
Connection	2x Lead Wires, 22 AWG
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected
Bearing System	Dual Ball Bearings, or Sealed Sleeve
Dielectric Strength	500VDC/min, <1mA
Insulation Resistance	≥10MΩ @ 500 VDC

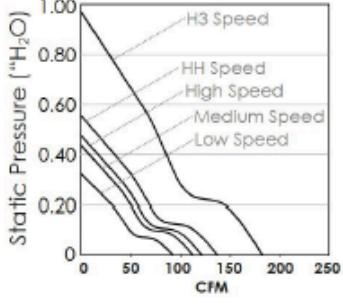
Operating Temperature
-20°C ~ +65°C

Storage Temperature
-25°C ~ +70°C

Life Expectancy
Ball: 70K Hours (L10 at 40°C)
Sleeve: 50K Hours (L10 at 40°C)

Available Options
Tachometer Output
Alarm Output
PWM Speed Control Input
Temperature Speed Control
IP Ratings

Weight: 0.57 lbs.



Graph showing Static Pressure (in H₂O) versus CFM for the OD1238 Series fan. The graph includes curves for H3 Speed, HH Speed, High Speed, Medium Speed, and Low Speed.

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Max Watts)	Rated Current (Max Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure (in H ₂ O)
OD1238-12H3**	12	9 ~ 13.8	17.7	1.43	4190	178.0	54.0	0.977
OD1238-12HH**	12	9 ~ 13.8	10.0	0.90	3195	135.8	48.2	0.558
OD1238-12H**	12	9 ~ 13.8	6.0	0.50	2895	124.1	44.1	0.469
OD1238-12M**	12	9 ~ 13.8	4.8	0.40	2597	114.7	41.3	0.427
OD1238-12L**	12	9 ~ 13.8	2.4	0.20	1975	89.5	35.6	0.316
OD1238-24H3**	24	16 ~ 26	22.1	0.90	4190	178.0	54.0	0.977
OD1238-24HH**	24	16 ~ 26	15.0	0.62	3195	135.8	48.2	0.558
OD1238-24H**	24	16 ~ 26	12.0	0.50	2895	124.1	44.1	0.469
OD1238-24M**	24	16 ~ 26	8.0	0.34	2597	114.7	41.3	0.427
OD1238-24L**	24	16 ~ 26	4.0	0.15	1975	89.5	35.6	0.316
OD1238-48H3**	48	30 ~ 52	20.5	0.41	4190	178.0	54.0	0.977
OD1238-48HH**	48	30 ~ 52	15.0	0.30	3195	135.8	48.2	0.558
OD1238-48H**	48	30 ~ 52	14.0	0.29	2895	124.1	44.1	0.469
OD1238-48M**	48	30 ~ 52	7.0	0.14	2597	114.7	41.3	0.427
OD1238-48L**	48	30 ~ 52	4.0	0.07	1975	89.5	35.6	0.316

** Insert "B" for Ball Bearing type, or "SS" for Sealed Sleeve Bearing type.