



ORION FANS
10557 Metric Dr
Dallas, TX 75243

Product Change Notification: OD1238 Sealed Sleeve

Issued July 17, 2026

Type of Change: Product Redesign. Electrical, mechanical, and performance specifications impacted, and the Country of Origin has changed.

Reason for Change: Improvement in performance specifications, manufacturability, and change of Country of Origin.

Part Numbers Affected: OD1238-12HSS, OD1238-24MSS

Implementation Date: Q3 2026

Discussion: 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. Design changes were completed to coincide with a change of manufacturing location, utilizing the manufacturing capabilities at our Taiwan manufacturing facilities. The design of the OD1238-12HSS, OD1238-24MSS models have been changed to match the physical design of the other speeds and voltages in the series, and the product specifications have been improved to improve consistency across series offerings.

For customers wanting to purchase the previous Made in China design revision, consult the table below for ordering part numbers. If special functions or customizations are required, contact Orion Fans for quotations.

Custom Ordering Part Numbers

Fan Model	Previous Design Part Number	New Design Part Number
DC FAN, 12V, 120X38MM, HIGH SPEED, SEALED SLEEVE BEARING	123143001	OD1238-12HSS
DC FAN, 24V, 120X38MM, MEDIUM SPEED, SEALED SLEEVE BEARING	123233001	OD1238-24MSS

Specification Comparison

See the following pages showing the previous and revised product specifications. Revised product specifications are subject to change without prior notice, and the product specifications shown in this notice are effective as of the date of this notice.

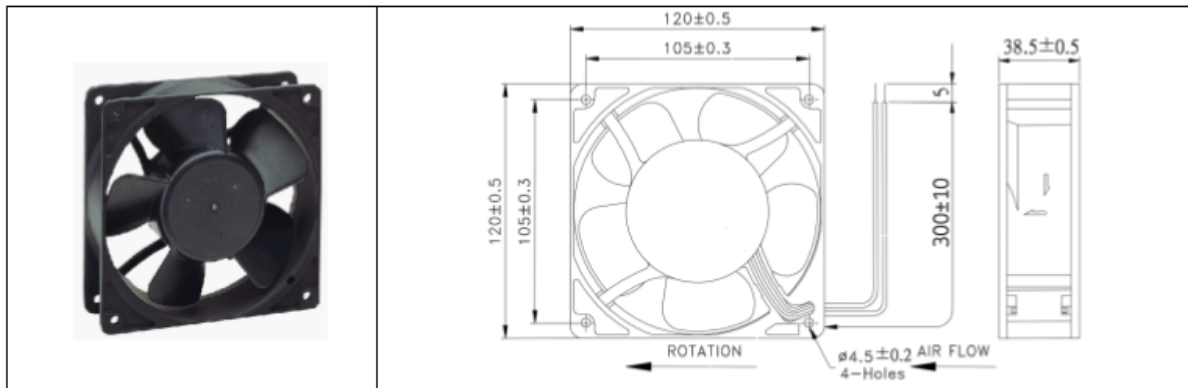
(Comparison begins on page 2.)

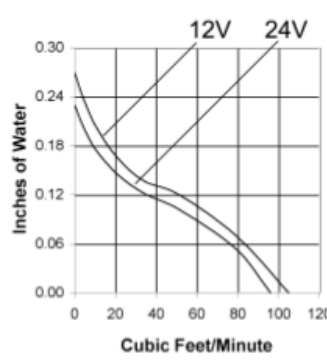
PREVIOUS SPECIFICATIONS

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

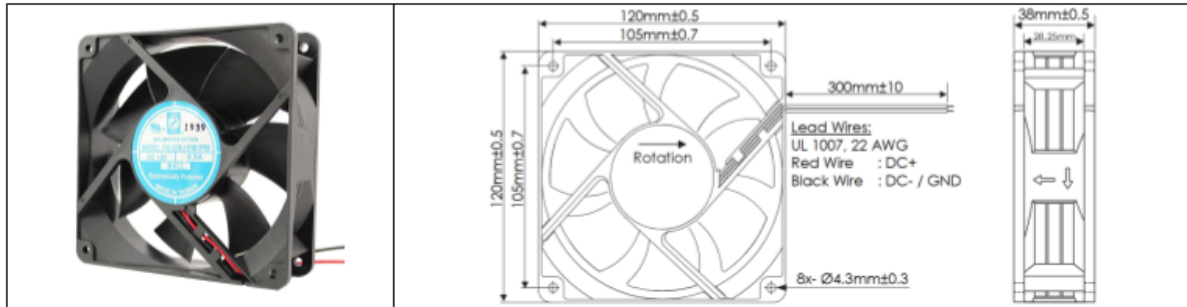
Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Max Watts)	Rated Current (Max Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O)
OD1238-12HSS	12	9 ~ 13.8	6.0	0.50	2800	105	47	0.27
OD1238-24MSS	24	16 ~ 26	5.5	0.23	2540	96	47	0.23

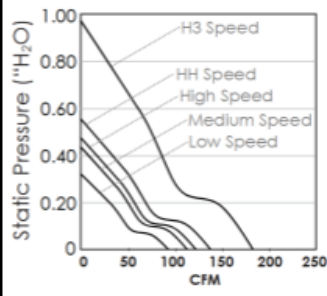
NEW SPECIFICATIONS

OD1238 Series



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



Frame	PBT, UL94 V-0 Plastic	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.	
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		

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)
OD1238-12H3**	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.