



ORION FANS
 10557 Metric Dr
 Dallas, TX 75243

Product Change Notification: OD6015 DC Fan Series

April 24, 2021

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

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

Part Numbers Affected: OD6015 (All Speeds, Bearing Types and Options)

Implementation Date: Q2 2021

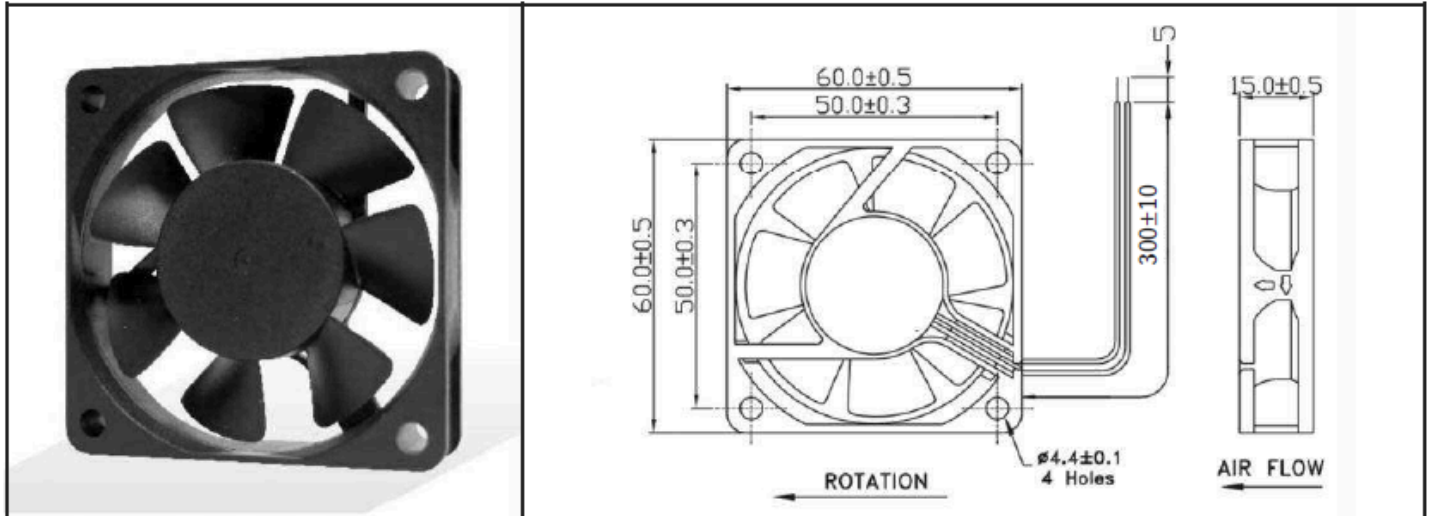
Discussion: Orion routinely makes changes to the designs of our Commercial Off the Shelf (COTS) products as we respond to the availability of parts for manufacturing, the global manufacturing context, and the state of the art in product design. Design changes were completed to coincide with a change of manufacturing location, utilizing the manufacturing capabilities at our Taiwan manufacturing facilities. For customers needing to purchase the original Made in China design, please see the table below showing custom ordering numbers used to continue to purchase the previous design.

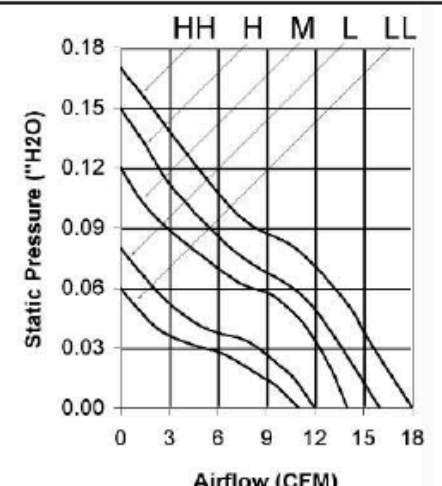
Previous Design Part Number	Custom Ordering Number
OD6015-05HB	161541001
OD6015-05MB	161531001
OD6015-05LB	161521001
OD6015-12HHB	161151001
OD6015-12HB	161141001
OD6015-12MB	161131001
OD6015-12LB	161121001
OD6015-12LLB	161111001
OD6015-24HB	161241001
OD6015 with Custom Build Options	Contact Orion Fans

Specification Comparison

See page 3 showing the previous product specifications. Pages 4-5 show current production specifications. Current product specifications are subject to change without prior notice.

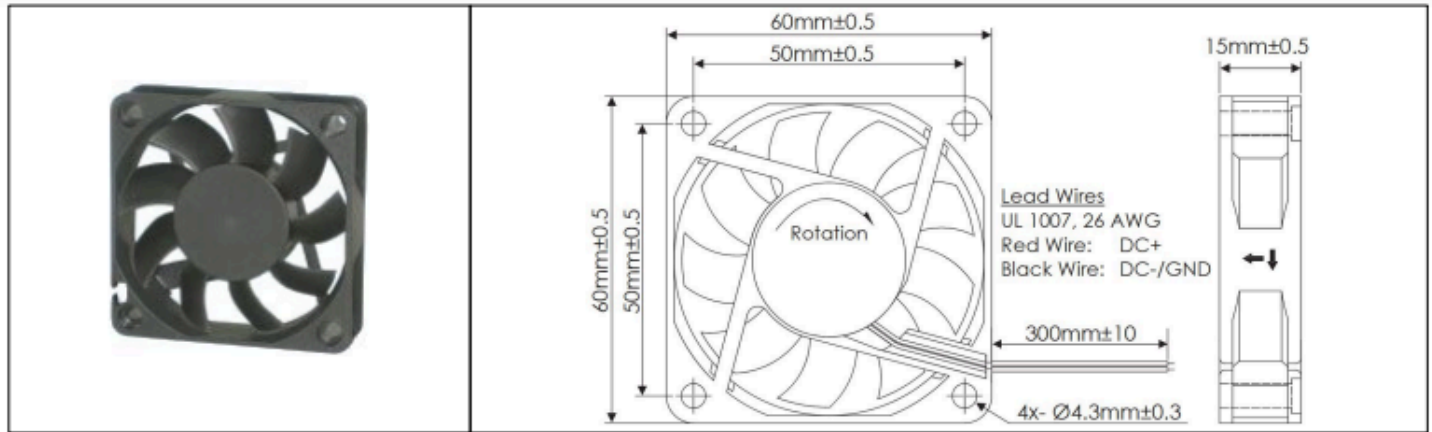
PREVIOUS SPECIFICATIONS

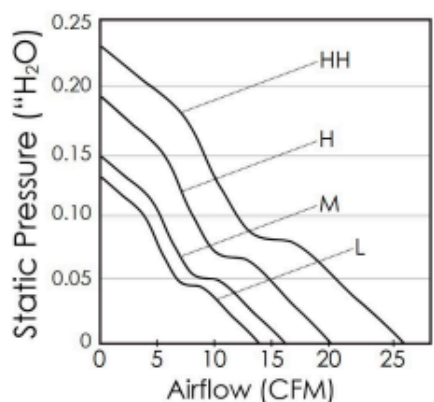


Frame & Impeller	PBT, UL94V-0 plastic	Available Options: Tachometer (FG) Alarm (RD) Other frame styles available Sleeve Bearing <u>Life Expectancy (L10)</u> Ball Bearing 60,000 hours (L10 at 40C) <u>Operating Temperature</u> Ball Bearing -10C ~ 70C Weight: ~ 0.08 lbs m1	
Connection	2x Lead wires		
Motor	Brushless DC, auto restart, polarity protected		
Bearing System	Dual Ball		
Insulation Resistance	10M ohm between leadwire and frame (500VDC)		
Dielectric Strength	1 minute at 500 VAC, max leakage < 500 MicroAmp		
Storage Temperature	-40C ~ +80C		

Model Number	Speed (RPM)	Airflow (CFM)	Noise (dB)	Volts DC	Power Input (Watts)	Amps	Max. Static Pressure (\"H ₂ O)
OD6015-05HB	4,500	16	33	5	1.10	0.22	0.15
OD6015-05MB	3,900	14	29	5	0.90	0.18	0.12
OD6015-05LB	3,500	12	25	5	0.60	0.12	0.08
OD6015-12HHB	5,100	18	39	12	1.44	0.12	0.17
OD6015-12HB	4,500	16	33	12	1.08	0.09	0.15
OD6015-12MB	3,900	14	29	12	0.98	0.08	0.12
OD6015-12LB	3,500	12	25	12	0.84	0.07	0.08
OD6015-12LLB	3,100	11	21	12	0.72	0.06	0.06
OD6015-24HB	4,500	16	33	24	1.20	0.05	0.15

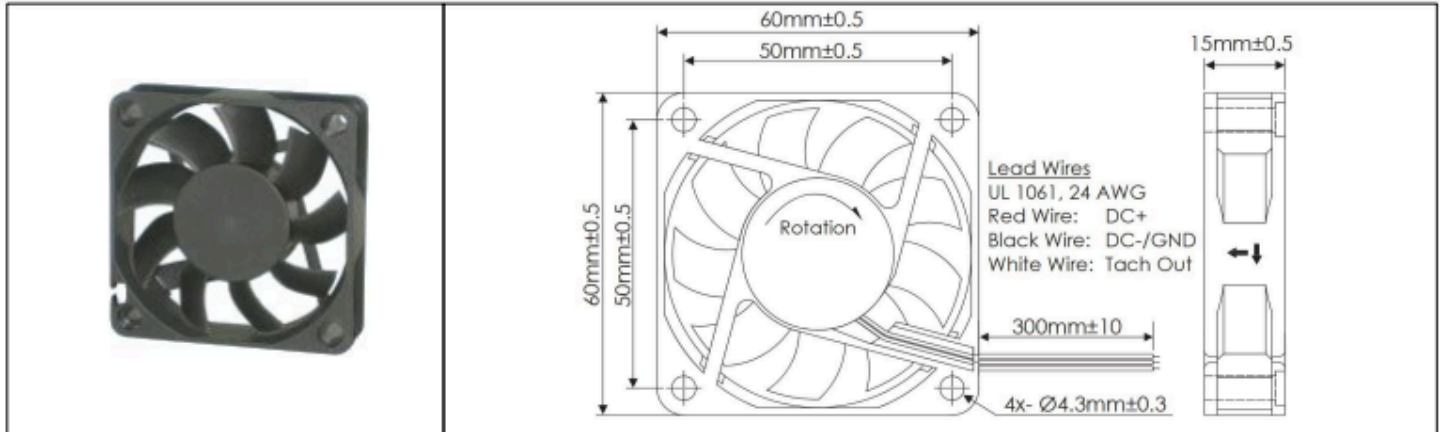
NEW SPECIFICATIONS



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C <u>Storage Temperature</u> -20°C ~ +75°C <u>Life Expectancy</u> 60,000 Hours (L10 at 40°C) <u>Available Options</u> Tachometer Output Alarm Output PWM Speed Control Input IP Ratings Sleeve Bearings Weight: 0.06 lbs.	
Impeller	PBT, UL94 V-0 Plastic		
Connection	2x Wire Leads, 26 AWG		
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected		
Bearing System	Ball Bearings		
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10MΩ @ 500 VDC		

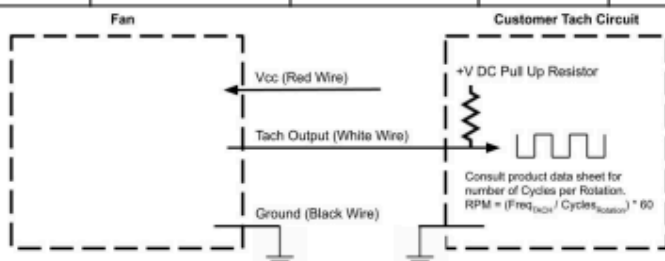
Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure (\"H ₂ O)
OD6015-05HB	5	4.5 ~ 5.5	1.5	0.25	4250	20.2	32.4	0.19
OD6015-05MB	5	4.5 ~ 5.5	1.2	0.19	3990	17.1	30.6	0.15
OD6015-05LB	5	4.5 ~ 5.5	0.8	0.15	3500	14.3	27.2	0.13
OD6015-12HHB	12	8 ~ 13.8	2.9	0.24	4975	25.8	36.3	0.23
OD6015-12HB	12	8 ~ 13.8	2.2	0.18	4250	20.2	32.4	0.19
OD6015-12MB	12	8 ~ 13.8	1.9	0.15	3990	17.1	30.6	0.15
OD6015-12LB	12	8 ~ 13.8	1.2	0.10	3500	14.3	27.2	0.13
OD6015-24HHB	24	15 ~ 26	3.6	0.15	4975	25.8	36.3	0.23
OD6015-24HB	24	15 ~ 26	3.5	0.15	4250	20.2	32.4	0.19
OD6015-24MB	24	15 ~ 26	3.2	0.13	3990	17.1	30.6	0.15
OD6015-24LB	24	15 ~ 26	2.0	0.07	3500	14.3	27.2	0.13
OD6015-48HHB	48	28 ~ 52	3.5	0.07	4975	25.8	36.3	0.23
OD6015-48HB	48	28 ~ 52	3.4	0.07	4250	20.2	32.4	0.19

NEW SPECIFICATIONS CONTINUED



Frame	PBT, UL94 V-0 Plastic	<p><u>Operating Temperature</u> -20°C ~ +65°C</p> <p><u>Storage Temperature</u> -20°C ~ +75°C</p> <p><u>Life Expectancy</u> 60,000 Hours (L10 at 40°C)</p> <p><u>Installed Options</u> Open Collector Tach Output</p> <p><u>Available Options</u> 5V TTL Tach Output</p> <p>Weight: 0.06 lbs.</p>	
Impeller	PBT, UL94 V-0 Plastic		
Connection	3x Wire Leads, 24 AWG		
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected		
Bearing System	Ball Bearings		
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10MΩ @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure (\"H ₂ O)
OD6015-05HB01A	5	4.5 ~ 5.5	1.5	0.25	4250	20.2	32.4	0.19
OD6015-05MB01A	5	4.5 ~ 5.5	1.2	0.19	3990	17.1	30.6	0.15
OD6015-05LB01A	5	4.5 ~ 5.5	0.8	0.15	3500	14.3	27.2	0.13
OD6015-12HHB01A	12	8 ~ 13.8	2.9	0.24	4975	25.8	36.3	0.23
OD6015-12HB01A	12	8 ~ 13.8	2.2	0.18	4250	20.2	32.4	0.19
OD6015-12MB01A	12	8 ~ 13.8	1.9	0.15	3990	17.1	30.6	0.15
OD6015-12LB01A	12	8 ~ 13.8	1.2	0.10	3500	14.3	27.2	0.13
OD6015-24HHB01A	24	15 ~ 26	3.6	0.15	4975	25.8	36.3	0.23
OD6015-24HB01A	24	15 ~ 26	3.5	0.15	4250	20.2	32.4	0.19
OD6015-24MB01A	24	15 ~ 26	3.2	0.13	3990	17.1	30.6	0.15
OD6015-24LB01A	24	15 ~ 26	2.0	0.07	3500	14.3	27.2	0.13
OD6015-48HHB01A	48	28 ~ 52	3.5	0.07	4975	25.8	36.3	0.23
OD6015-48HB01A	48	28 ~ 52	3.4	0.07	4250	20.2	32.4	0.19



Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 5mA
Tach Cycles per Rotation: 2