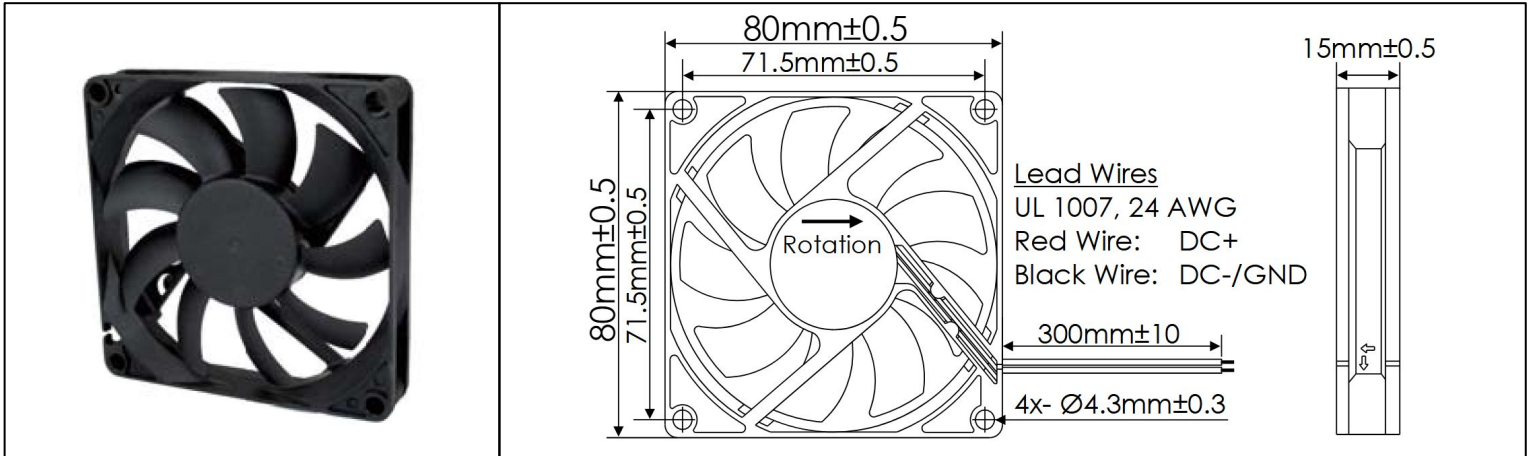


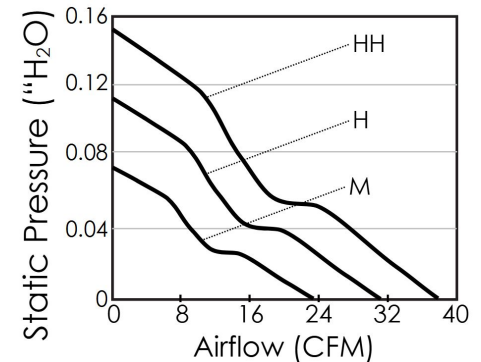
OD8015 Series



DC Fans - 5, 12, 24V
80mm x 15mm (3.15" x 0.6")



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> 70,000 Hours (L10 at 40°C) <u>Available Options</u> Tachometer Output Alarm Output PWM Speed Control Input IP Ratings Sealed Sleeve Bearings Weight: 0.09 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	Dual Ball Bearings	
Dielectric Strength	500VDC/min, <5mA	
Insulation Resistance	≥10MΩ @ 500V DC	

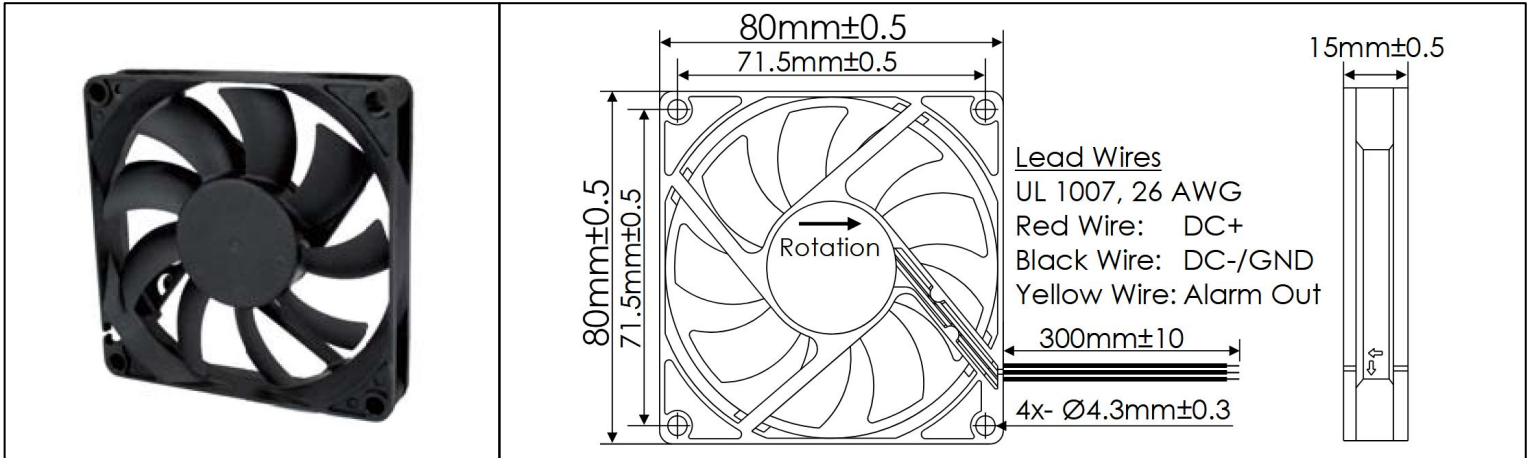


Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure (\"H ₂ O)
OD8015-05HHB	5	4.5 ~ 5.5	1.4	0.28	3550	38	38.1	0.15
OD8015-05HB	5	4.5 ~ 5.5	1.0	0.20	3050	31	34.2	0.11
OD8015-05MB	5	4.5 ~ 5.5	0.8	0.15	2725	23	31.1	0.07
OD8015-12HHB	12	9 ~ 13.8	2.2	0.18	3550	38	38.1	0.15
OD8015-12HB	12	9 ~ 13.8	1.8	0.15	3050	31	34.2	0.11
OD8015-12MB	12	9 ~ 13.8	1.5	0.12	2725	23	31.1	0.07
OD8015-24HHB	24	15 ~ 26	2.9	0.12	3550	38	38.1	0.15
OD8015-24HB	24	15 ~ 26	2.4	0.10	3050	31	34.2	0.11
OD8015-24MB	24	15 ~ 26	1.9	0.08	2725	23	31.1	0.07

OD8015 Series with Alarm

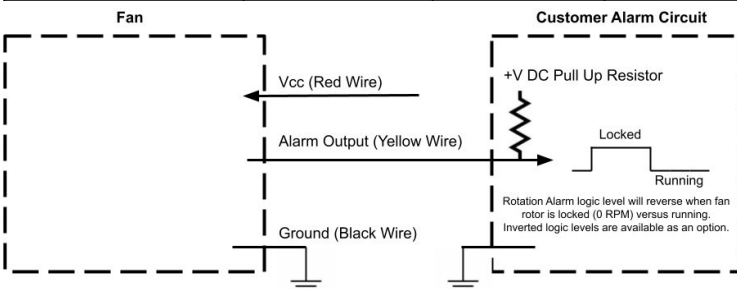


DC Fans - 5, 12, 24V
80mm x 15mm (3.15" x 0.6")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	3x Lead Wires, 26 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	<u>Installed Options</u> Open Collector Alarm Output	
Bearing System	Dual Ball Bearings	<u>Available Options</u> 5V TTL Alarm Output Inverted Alarm Logic States	
Dielectric Strength	500VDC/min, <5mA	Weight: 0.09 lbs.	
Insulation Resistance	≥10MΩ @ 500V DC		

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)
OD8015-05HHB02A	5	4.5 ~ 5.5	1.4	0.28	3550	38	38.1	0.15
OD8015-05HB02A	5	4.5 ~ 5.5	1.0	0.20	3050	31	34.2	0.11
OD8015-05MB02A	5	4.5 ~ 5.5	0.8	0.15	2725	23	31.1	0.07
OD8015-12HHB02A	12	9 ~ 13.8	2.2	0.18	3550	38	38.1	0.15
OD8015-12HB02A	12	9 ~ 13.8	1.8	0.15	3050	31	34.2	0.11
OD8015-12MB02A	12	9 ~ 13.8	1.5	0.12	2725	23	31.1	0.07
OD8015-24HHB02A	24	15 ~ 26	2.9	0.12	3550	38	38.1	0.15
OD8015-24HB02A	24	15 ~ 26	2.4	0.10	3050	31	34.2	0.11
OD8015-24MB02A	24	15 ~ 26	1.9	0.08	2725	23	31.1	0.07

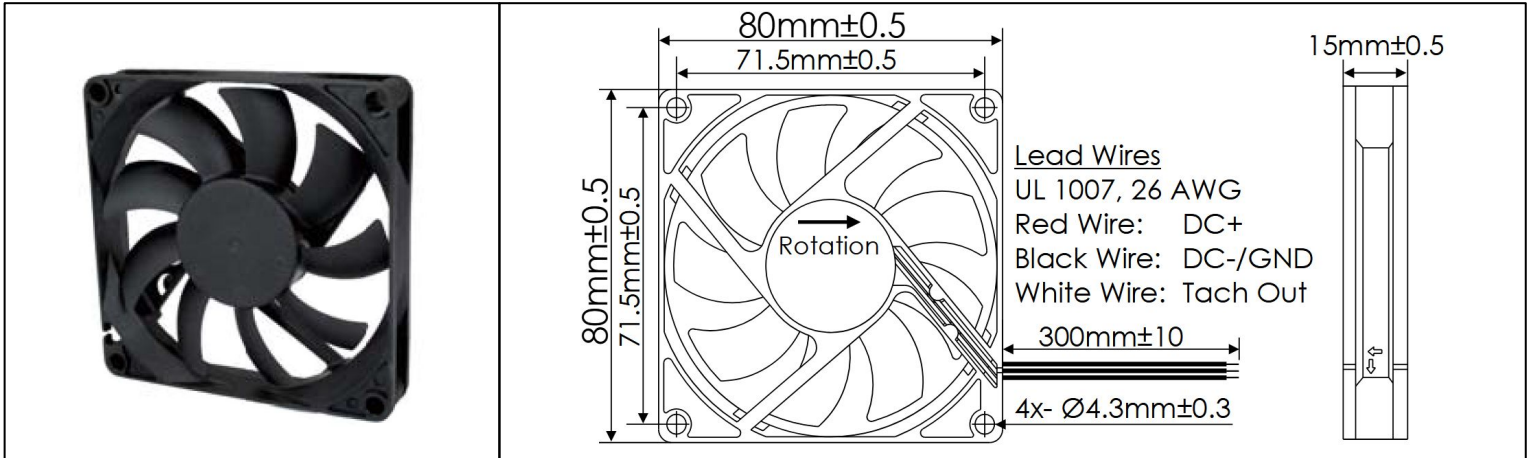


Alarm Max Pullup Voltage: Fan Vcc
Alarm Max Sink Current: 8mA
Alarm Active Logic State: HIGH

OD8015 Series with Tach

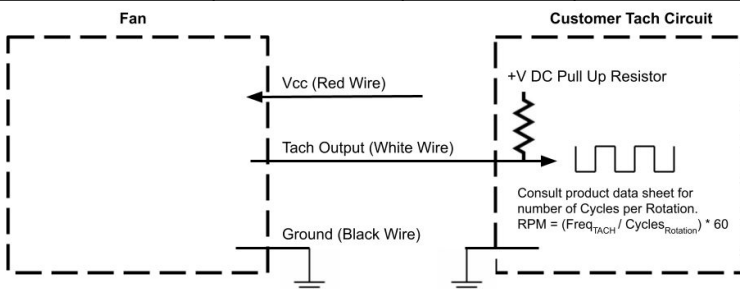


DC Fans - 5, 12, 24V
80mm x 15mm (3.15" x 0.6")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	3x Lead Wires, 26 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	<u>Installed Options</u> Open Collector Tach Output	
Bearing System	Dual Ball Bearings	<u>Available Options</u> 5V TTL Tach Output	
Dielectric Strength	500VDC/min, <5mA	Weight: 0.09 lbs.	
Insulation Resistance	≥10MΩ @ 500V DC		

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)
OD8015-05HHB01A	5	4.5 ~ 5.5	1.4	0.28	3550	38	38.1	0.15
OD8015-05HB01A	5	4.5 ~ 5.5	1.0	0.20	3050	31	34.2	0.11
OD8015-05MB01A	5	4.5 ~ 5.5	0.8	0.15	2725	23	31.1	0.07
OD8015-12HHB01A	12	9 ~ 13.8	2.2	0.18	3550	38	38.1	0.15
OD8015-12HB01A	12	9 ~ 13.8	1.8	0.15	3050	31	34.2	0.11
OD8015-12MB01A	12	9 ~ 13.8	1.5	0.12	2725	23	31.1	0.07
OD8015-24HHB01A	24	15 ~ 26	2.9	0.12	3550	38	38.1	0.15
OD8015-24HB01A	24	15 ~ 26	2.4	0.10	3050	31	34.2	0.11
OD8015-24MB01A	24	15 ~ 26	1.9	0.08	2725	23	31.1	0.07

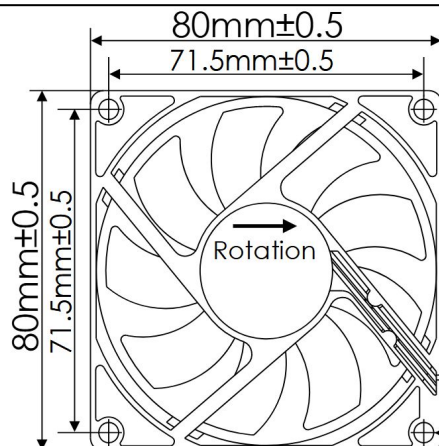


Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 8mA
Tach Cycles per Revolution: 2

OD8015 Series with PWM and Tach



DC Fans - 5, 12, 24V
80mm x 15mm (3.15" x 0.6")



Lead Wires
UL 1061, 24 AWG
Red Wire: DC+
Black Wire: DC-/GND
White Wire: Tach Out
Blue Wire: PWM Input

300mm±10
4x- Ø4.3mm±0.3



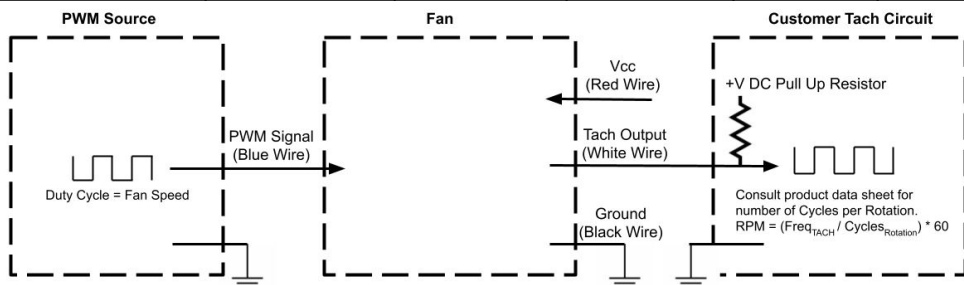
Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C <u>Storage Temperature</u> -20°C ~ +75°C <u>Life Expectancy</u> 70,000 Hours (L10 at 40°C) <u>Installed Options</u> PWM Speed Control Input Open Collector Tach Output Weight: 0.09 lbs.
Impeller	PBT, UL94 V-0 Plastic	
Connection	4x Lead Wires, 24 AWG	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	
Bearing System	Dual Ball Bearings	
Dielectric Strength	500VDC/min, <5mA	
Insulation Resistance	≥10MΩ @ 500V DC	

Static Pressure ("H₂O")

A line graph showing Static Pressure in inches of water (H₂O) on the y-axis (0 to 0.16) versus Airflow in CFM on the x-axis (0 to 40). Three curves are plotted: HH (highest pressure), H (middle pressure), and M (lowest pressure). All curves show a decrease in static pressure as airflow increases, with a slight plateau or change in slope around 16-24 CFM.

Airflow (CFM)	HH Static Pressure (H ₂ O)	H Static Pressure (H ₂ O)	M Static Pressure (H ₂ O)
0	0.15	0.11	0.07
8	0.12	0.09	0.05
16	0.07	0.05	0.03
24	0.06	0.04	0.02
32	0.03	0.02	0.01
40	0.01	0.00	0.00

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")
OD8015-05HHB10A	5	4.5 ~ 5.5	1.4	0.28	3550	38	38.1	0.15
OD8015-05HB10A	5	4.5 ~ 5.5	1.0	0.20	3050	31	34.2	0.11
OD8015-05MB10A	5	4.5 ~ 5.5	0.8	0.15	2725	23	31.1	0.07
OD8015-12HHB10A	12	9 ~ 13.8	2.2	0.18	3550	38	38.1	0.15
OD8015-12HB10A	12	9 ~ 13.8	1.8	0.15	3050	31	34.2	0.11
OD8015-12MB10A	12	9 ~ 13.8	1.5	0.12	2725	23	31.1	0.07
OD8015-24HHB10A	24	15 ~ 26	2.9	0.12	3550	38	38.1	0.15
OD8015-24HB10A	24	15 ~ 26	2.4	0.10	3050	31	34.2	0.11
OD8015-24MB10A	24	15 ~ 26	1.9	0.08	2725	23	31.1	0.07



PWM Max High Voltage: 5V
PWM Max Sink Current: 5mA
PWM Frequency Range: 1KHz-40KHz
PWM Typical Frequency: 25KHz
PWM Startup Duty Cycle: ≥25%
RPM at 0% Duty Cycle: 0 RPM
RPM will be full speed if PWM input is disconnected.
Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 5mA
Tach Cycles per Rotation: 2