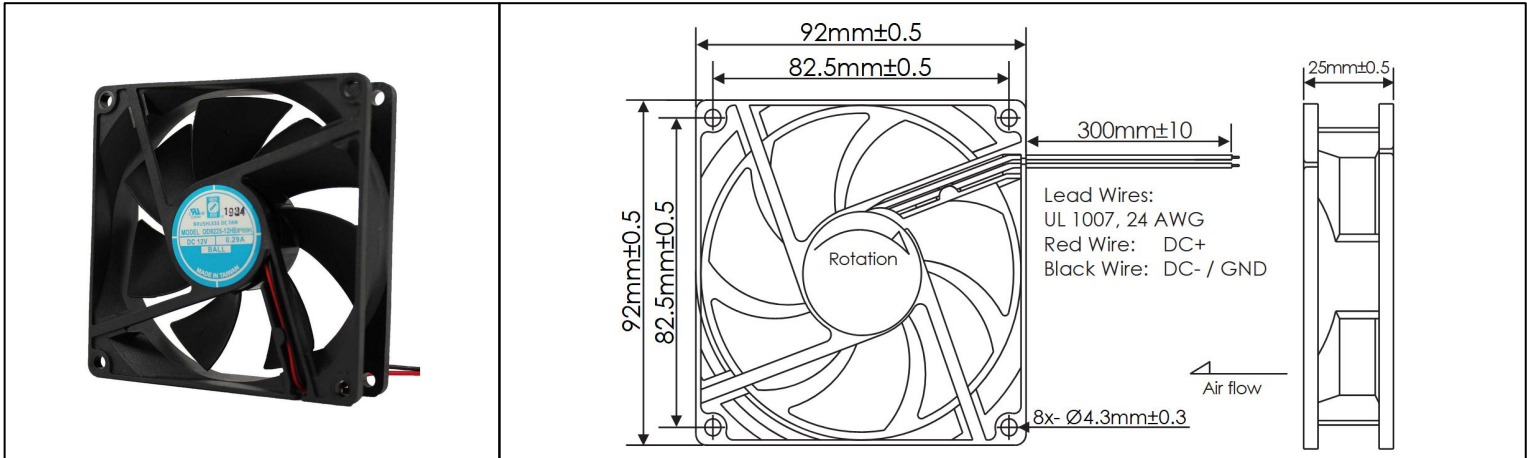


# OD9225 IP69K Series



DC Fans - 12, 24, 48V  
92mm x 25mm (3.6" x 1.0")



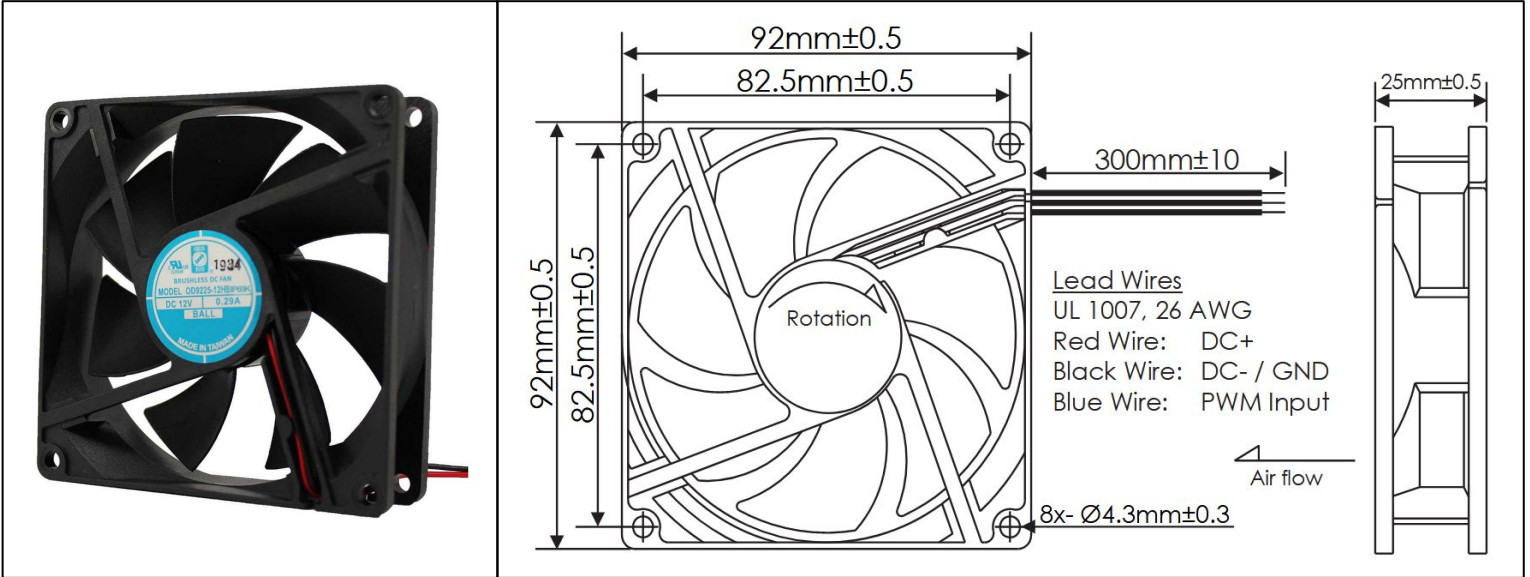
Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C  <u>Storage Temperature</u> -20°C ~ +75°C  <u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)  <u>Available Options</u> Tachometer Output Alarm Output PWM Speed Control Input Other IP Ratings  Weight: 0.21 lbs.	
Impeller	PBT, UL94 V-0 Plastic		
Connection	2x Lead Wires, 24 AWG		
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected, IP69K		
Bearing System	Ball Bearings		
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10M Ohm @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)(Max)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H <sub>2</sub> O)
OD9225-12HBIP69K	12	8 ~ 13.8	3.0	0.29	2900	49.8	35	0.24"
OD9225-24HBIP69K	24	15 ~ 26.4	3.5	0.18	2900	49.8	35	0.24"
OD9225-48HBIP69K	48	28 ~ 52.8	4.3	0.09	2900	49.8	35	0.24"

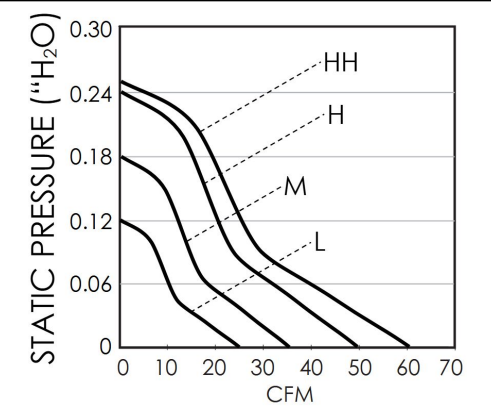
# OD9225 IP69K Series with PWM



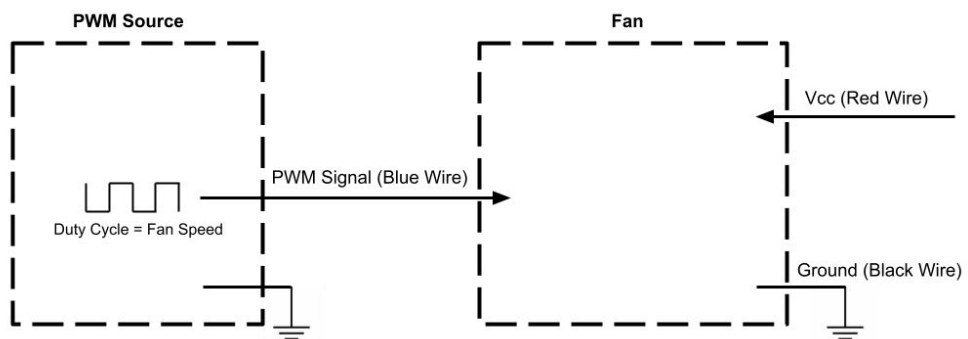
DC Fans - 12, 24, 48V  
92mm x 25mm (3.6" x 1.0")



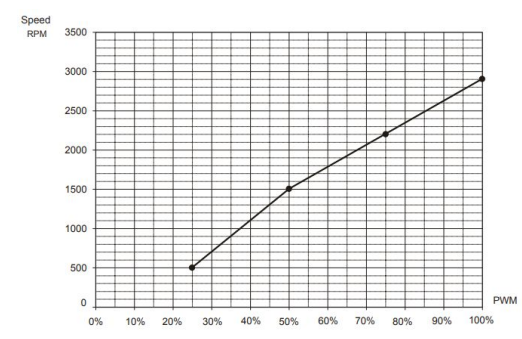
Frame	PBT, UL94 V-0 Plastic	<b>Operating Temperature</b> -20°C ~ +65°C
Impeller	PBT, UL94 V-0 Plastic	
Connection	3x Lead Wires, 26 AWG	<b>Storage Temperature</b> -20°C ~ +75°C
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected, IP69K	
Bearing System	Ball Bearings	<b>Life Expectancy</b> 70,000 Hours (L10 at 40°C)
Dielectric Strength	500VDC/min, <1mA	
Insulation Resistance	≥10M Ohm @ 500 VDC	<b>Installed Options</b> PWM Speed Control Input IP69K Rated Motor



Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)(Max)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H <sub>2</sub> O)
OD9225-12HB05IP69K	12	8 ~ 13.8	3.0	0.29	2900	49.8	35	0.24"
OD9225-24HB05IP69K	24	15 ~ 26.4	3.5	0.18	2900	49.8	35	0.24"
OD9225-48HB05IP69K	48	28 ~ 52.8	4.3	0.09	2900	49.8	35	0.24"



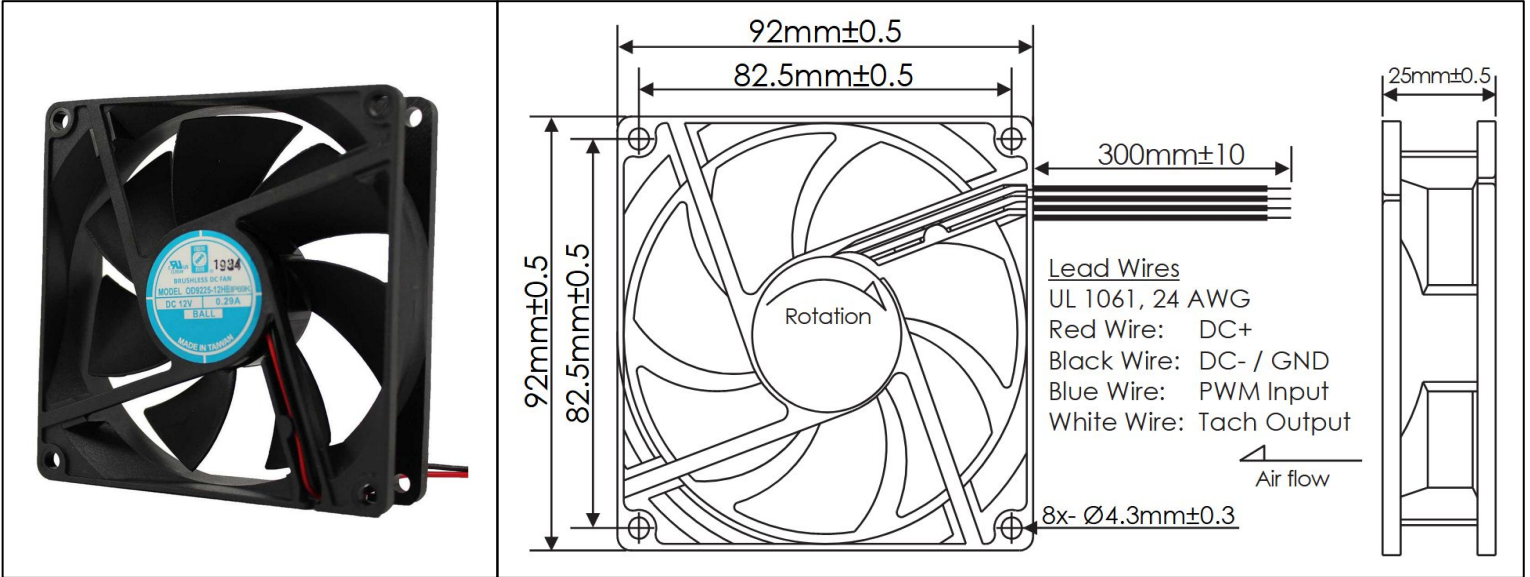
PWM Max High Voltage: 5V  
 PWM Max Sink Current: 5mA  
 PWM Frequency Range: 1KHz-100KHz  
 PWM Typical Frequency: 25KHz  
 RPM at 0% Duty Cycle: 0 RPM  
 RPM will be full speed if PWM input is disconnected.



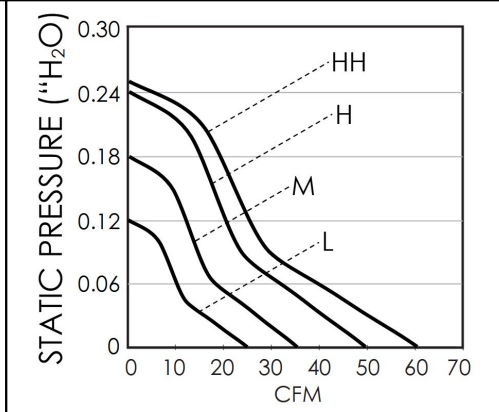
# OD9225 IP69K Series with Tach and PWM



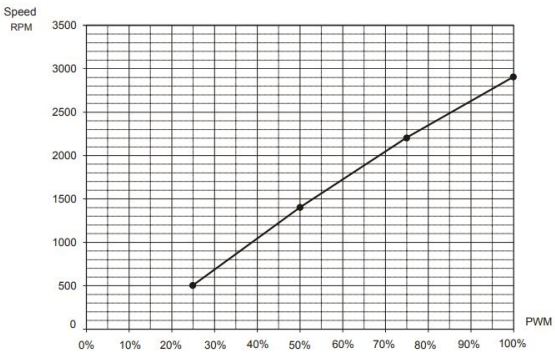
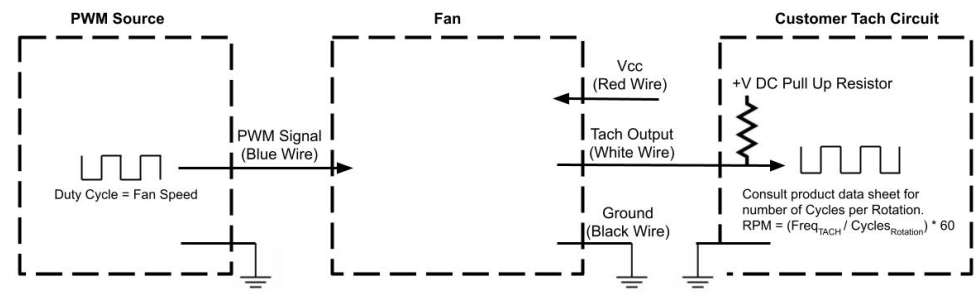
DC Fans - 12, 24, 48V  
92mm x 25mm (3.6" x 1.0")



Frame	PBT, UL94 V-0 Plastic	<b>Operating Temperature</b> -20°C ~ +65°C <b>Storage Temperature</b> -20°C ~ +75°C <b>Life Expectancy</b> 70,000 Hours (L10 at 40°C)
Impeller	PBT, UL94 V-0 Plastic	
Connection	4x Lead Wires, 24 AWG	<b>Installed Options</b> PWM Speed Control Input Open Collector Tach Output IP69K Rated Motor
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected, IP69K	
Bearing System	Ball Bearings	Weight: 0.18 lbs.
Dielectric Strength	500VDC/min, <1mA	
Insulation Resistance	≥10M Ohm @ 500 VDC	



Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)(Max)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H <sub>2</sub> O)
OD9225-12HB10AIP69K	12	8 ~ 13.8	3.0	0.29	2900	49.8	35	0.24"
OD9225-24HB10AIP69K	24	15 ~ 26.4	3.5	0.18	2900	49.8	35	0.24"
OD9225-48HB10AIP69K	48	28 ~ 52.8	4.3	0.09	2900	49.8	35	0.24"



PWM Max High Voltage: 5V  
PWM Frequency Range: 1KHz-100KHz  
RPM at 0% Duty Cycle: 0 RPM  
Tach Max Pullup Voltage: Fan Vcc  
Tach Cycles per Rotation: 2

PWM Max Sink Current: 5mA  
PWM Typical Frequency: 25KHz  
RPM if PWM disconnect: Max  
Tach Max Sink Current: 5mA