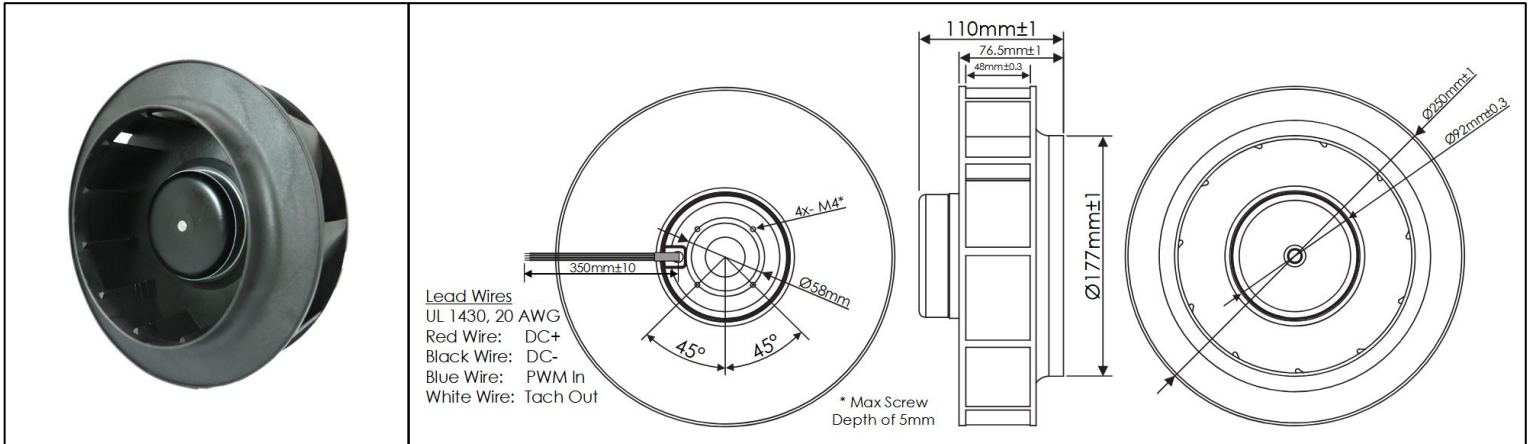


ODB250110 Series



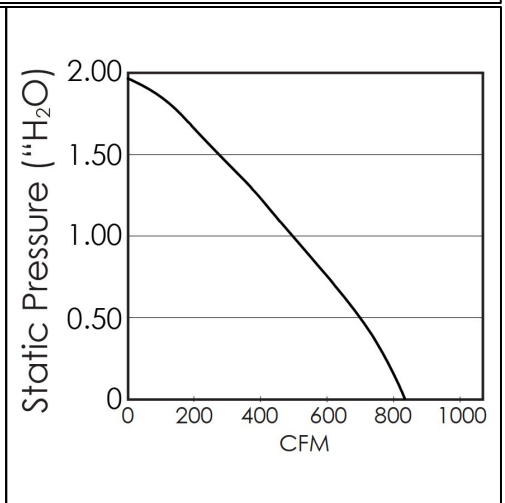
DC Centrifugal Fans - 24, 48V
250mm x 110mm (9.84" x 4.33")



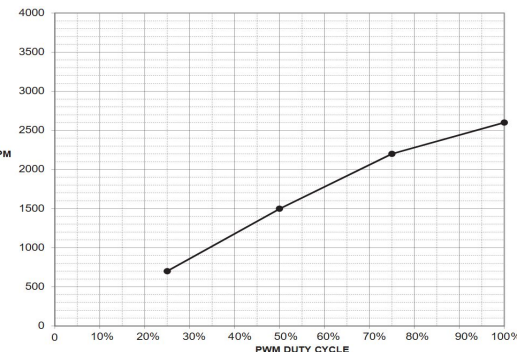
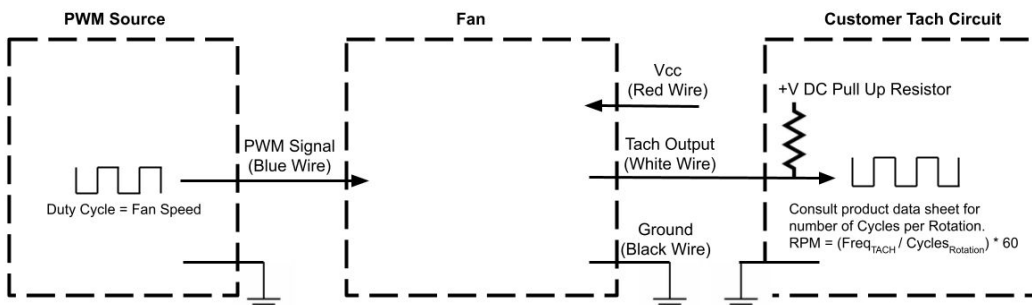
Lead Wires
UL 1430, 20 AWG
Red Wire: DC+
Black Wire: DC-
Blue Wire: PWM In
White Wire: Tach Out

* Max Screw Depth of 5mm

Frame	Die Cast Aluminum	Operating Temperature -20°C ~ +65°C Storage Temperature -20°C ~ +75°C Life Expectancy 50,000 Hours (L10 at 25°C) Installed Options PWM Speed Control Input Open Collector Tach Output Other Available Options Alarm Output IP Ratings Other Speeds Available Weight: 3.53 lbs.
Impeller	PA66, UL94 V-0 Plastic	
Connection	4x Lead Wires, 20 AWG, 350mm	
Motor	Brushless DC, Electronically Protected, Polarity Protected, Auto Cutoff, Auto Restart	
Bearing System	Dual Ball Bearings	
Dielectric Strength	500VAC/min, <1mA	
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 (inches H ₂ O)
ODB250110-24HB10A	24	20 ~ 26.4	129.6	5.4	2600	825	67	1.95
ODB250110-48HB10A	48	40 ~ 60.0	129.6	2.7	2600	825	67	1.95



Tach Max Pullup Voltage:	Fan Vcc	Tach Max Sink Current:	5mA
Tach Cycles per Rotation:	2	PWM High Voltage Max:	≤12V
PWM High Voltage:	>2.6V	PWM Max Sink Current:	8mA
PWM Frequency Range:	100Hz-100KHz	PWM Typical Frequency:	25KHz
RPM at 0% Duty Cycle:	0 RPM	PWM Startup Duty Cycle:	≥25%

RPM will be full speed if PWM input is disconnected.