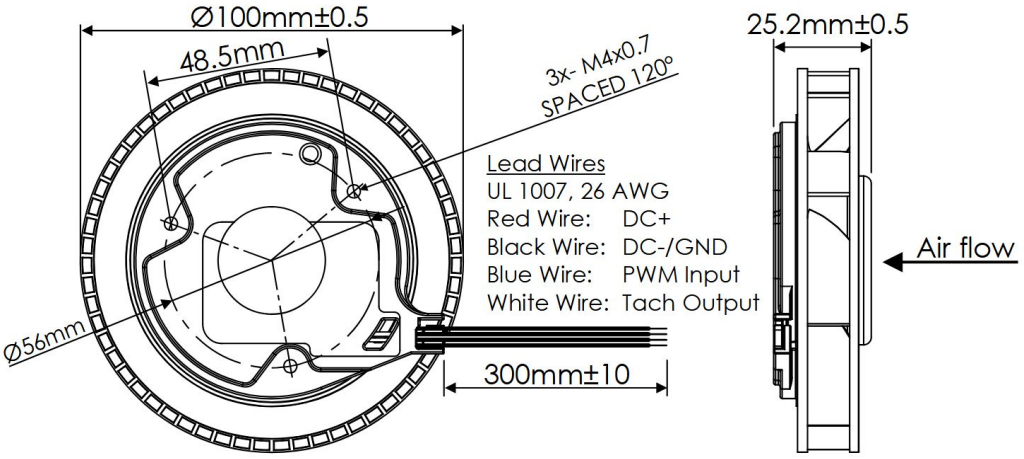
ODC10025 Series with PWM and Tach

DC Centrifugal Blowers - 12, 24, 48V
100mm x 25.2mm (3.93” x 1.00”)



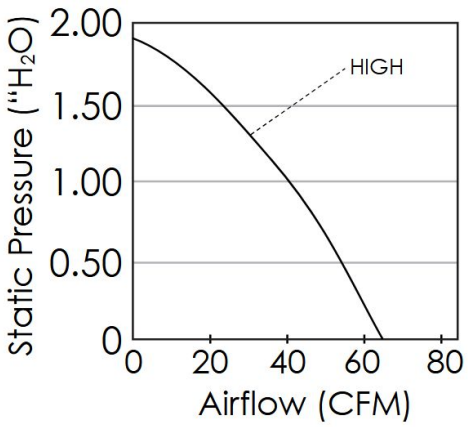
Motor	PBT, UL94 V-0 Plastic
Impeller	PBT, UL94 V-0 Plastic
Connection	4x Lead Wires, 26 AWG
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected
Bearing System	Dual Ball Bearings
Dielectric Strength	500VDC/min, <1mA
Insulation Resistance	≥10MΩ @ 500V DC

Operating Temperature
-20°C ~ +65°C
Storage Temperature
-40°C ~ +75°C
Life Expectancy
70,000 Hours (L10 at 40°C)

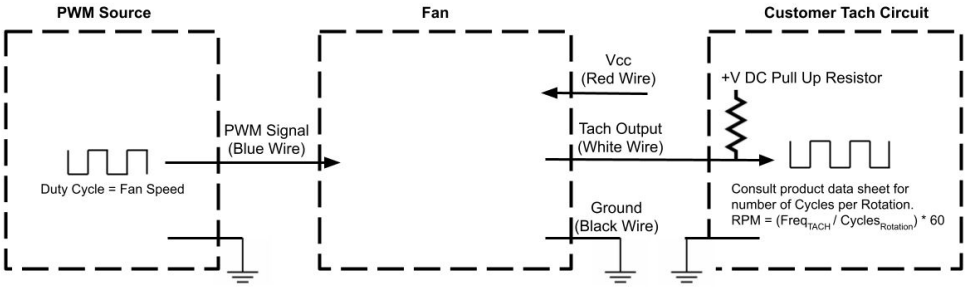
Installed Options
PWM Speed Control Input
Open Collector Tach Output
Available Options
Other Speeds

Optional Accessories
DR10025D Intake Duct Ring

Weight: 0.30 lbs.



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_2O)
ODC10025-12HB10A	12	10.0 ~ 13.8	16.8	1.40	5950	65.0	55.4	1.90
ODC10025-24HB10A	24	14.0 ~ 26.4	20.4	0.85	5950	65.0	55.4	1.90
ODC10025-48HB10A	48	30.0 ~ 60.0	16.8	0.35	5950	65.0	55.4	1.90



PWM Max High Voltage: 5V
PWM Max Sink Current: 5mA
PWM Frequency Range: 1KHz-40KHz
PWM Typical Frequency: 25KHz
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

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Orion Fans
Information and data is subject to change without prior notification