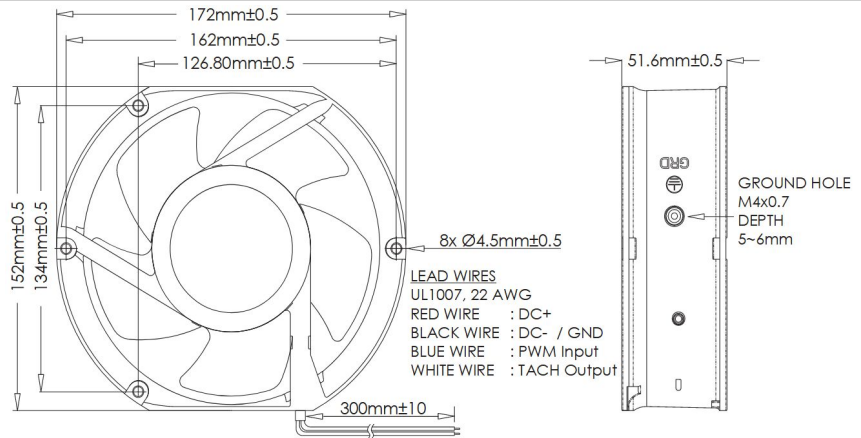


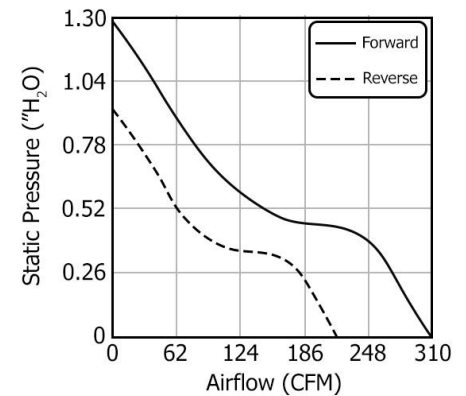
OD172SAP - Reversible Flow



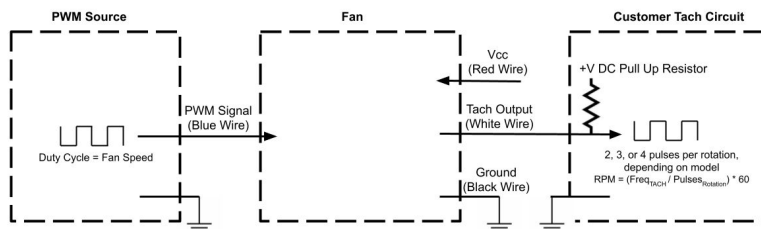
DC Fans - 12, 24, 48V
172mm x 152mm x 51mm
(6.7" x 5.9" x 2.0")



Frame	Die Cast Aluminum, Black Finish	Operating Temperature -15°C ~ +65°C Storage Temperature -25°C ~ +80°C Life Expectancy 70,000 Hours (L10 at 40°C) Installed Options PWM Speed Control Input Open Collector Tach Output Weight: 1.54 lbs.
Impeller	PBT, UL94 V-0 Plastic	
Connection	4x Lead Wires, 22 AWG	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	
Bearing System	Dual Ball Bearings	
Dielectric Strength	500 VAC/min, <1mA	
Insulation Resistance	≥10MΩ @ 500V DC	



Part Number	Rated Voltage (Volts DC)	Input Power (Watts) (Max)	Rated Current Forward/Reverse (Amps) Typical (~Max)	Rated Speed (RPM)	Max Airflow Forward/Reverse (CFM)	Noise Level (dB)	Max. Static Pressure ("H ₂ O") Forward / Reverse
OD172SAP-12HHB10AZ	12	39.6	1.94(~3.3) / (~2.40)	3950	310 / 218	60	1.28 / 0.9
OD172SAP-24HHB10AZ	24	40.8	0.97(~1.7) / (~1.56)	3950	310 / 218	60	1.28 / 0.9
OD172SAP-48HHB10AZ	48	48	0.48(~1.0) / (~0.60)	3950	310 / 218	60	1.28 / 0.9



Tach Max Pullup Voltage: Fan Model +Vcc
Tach Max Current: 5mA
Tach Low Voltage: ≤0.5 V
Tach Pulses per rotation: 2
PWM Input Voltage Max: ≤5V
PWM Input Max Sink Current: 5mA
PWM Frequency Range: 1KHz-100KHz
PWM Typical Frequency: 25KHz
RPM will be full speed if PWM input is disconnected.

Air flow Direction	Toward Label (FWD)	Toward Label (FWD)	Toward Label (FWD)	Toward Label (FWD)	Toward Label (FWD)	Stopped	Reverse	Reverse	Reverse	Reverse	Reverse
PWM Duty Cycle	0%	10%	20%	30%	40%	46~55%	60%	70%	80%	90%	100%
Speed (RPM) ±10%	3900	3900	2860	1740	630	0	500	1750	2800	3925	4000

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Orion Fans:](#)

[OD172SAP-12HHB10AZ](#) [OD172SAP-24HHB10AZ](#) [OD172SAP-48HHB10AZ](#)