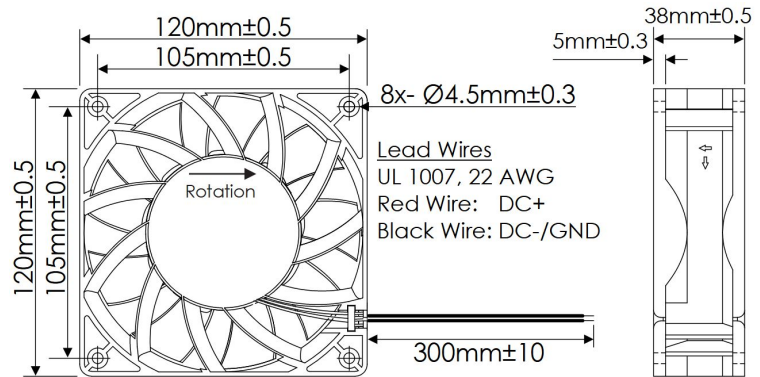


# OD1238 VXC Series



High Performance DC Fans - 12, 24, 48V  
120mm x 38mm (4.7" x 1.5")



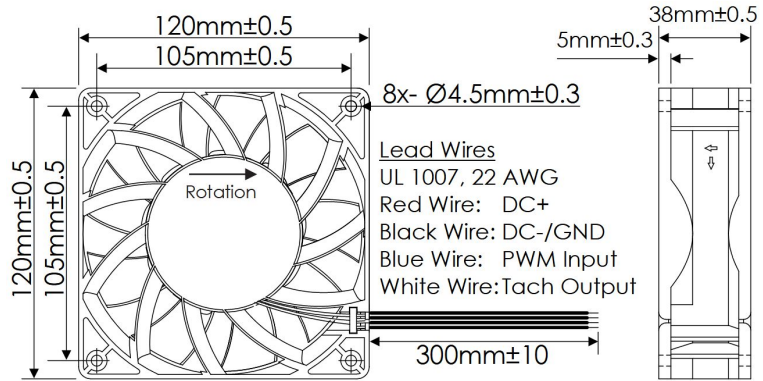
<b>Frame</b>	PBT, UL94 V-0 Plastic	<b>Operating Temperature</b> -20°C ~ +75°C  <b>Storage Temperature</b> -40°C ~ +80°C  <b>Life Expectancy</b> 65,000 Hours (L10 at 45°C)  <b>Available Options</b> PWM Speed Control Input Tachometer Output Alarm Output IP55 Rating Salt Fog GR-487 Rating  <b>Weight:</b> 0.78 lbs	<p>Static Pressure ("H<sub>2</sub>O") vs Airflow (CFM) graph showing curves for HH, H, M, L.</p>
<b>Impeller</b>	PBT, UL94 V-0 Plastic		
<b>Connection</b>	2x Lead Wires, 22 AWG		
<b>Motor</b>	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected		
<b>Bearing System</b>	Ball Bearings		
<b>Dielectric Strength</b>	500VDC/min, <1mA		
<b>Insulation Resistance</b>	≥10M Ohm @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H <sub>2</sub> O)
OD1238-12HBVXC	12	6 ~ 14	3.6	5000	226	65	1.35
OD1238-12MBVXC	12	6 ~ 14	2.0	4000	189	59	0.85
OD1238-12LBVXC	12	6 ~ 14	1.5	3000	140	52	0.46
OD1238-24HBVXC	24	12 ~ 28	1.7	5000	226	65	1.35
OD1238-24MBVXC	24	12 ~ 28	1.1	4000	189	59	0.85
OD1238-24LBVXC	24	12 ~ 28	0.6	3000	140	52	0.46
OD1238-48HBVXC	48	24 ~ 52	1.3	6000	283	70	1.85
OD1238-48MBVXC	48	24 ~ 52	1.0	5000	226	65	1.35
OD1238-48LBVXC	48	24 ~ 52	0.6	4000	189	59	0.85
OD1238-48LBVXC	48	24 ~ 52	0.4	3000	140	52	0.46

# OD1238 VXC Series with PWM and Tach

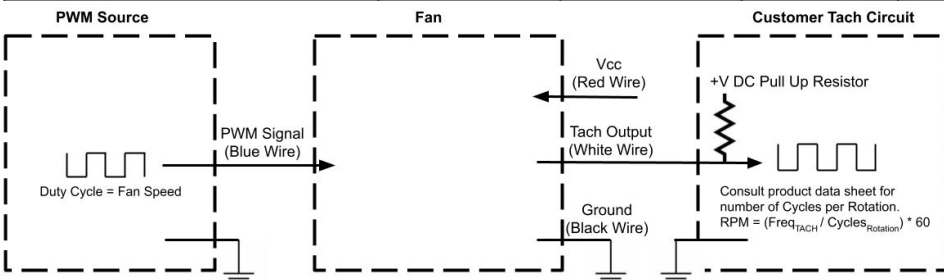


High Performance DC Fans - 12, 24, 48V  
120mm x 38mm (4.7" x 1.5")



<b>Frame</b>	PBT, UL94 V-0 Plastic	<b>Operating Temperature</b> -20°C ~ +75°C  <b>Storage Temperature</b> -40°C ~ +80°C  <b>Life Expectancy</b> 65,000 Hours (L10 at 45°C)  <b>Installed Options</b> PWM Speed Control Input Open Collector Tach Output  <b>Weight:</b> 0.78 lbs	
<b>Impeller</b>	PBT, UL94 V-0 Plastic		
<b>Connection</b>	4x Lead Wires, 22 AWG		
<b>Motor</b>	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected		
<b>Bearing System</b>	Ball Bearings		
<b>Dielectric Strength</b>	500VDC/min, <1mA		
<b>Insulation Resistance</b>	≥10M Ohm @ 500 VDC		

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H <sub>2</sub> O)
OD1238-12HBVXC10A	12	6 ~ 14	3.6	5000	226	65	1.35
OD1238-12MBVXC10A	12	6 ~ 14	2.0	4000	189	59	0.85
OD1238-12LBVXC10A	12	6 ~ 14	1.5	3000	140	52	0.46
OD1238-24HBVXC10A	24	12 ~ 28	1.7	5000	226	65	1.35
OD1238-24MBVXC10A	24	12 ~ 28	1.1	4000	189	59	0.85
OD1238-24LBVXC10A	24	12 ~ 28	0.6	3000	140	52	0.46
OD1238-48HHBVXC10A	48	24 ~ 52	1.3	6000	283	70	1.85
OD1238-48HBVXC10A	48	24 ~ 52	1.0	5000	226	65	1.35
OD1238-48MBVXC10A	48	24 ~ 52	0.6	4000	189	59	0.85
OD1238-48LBVXC10A	48	24 ~ 52	0.4	3000	140	52	0.46



**PWM Max High Voltage:** 5.5V  
**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.**  
**RPM will be 0 if PWM input is 0V or grounded.**  
**Tach Max Pullup Voltage:** Fan Vcc  
**Tach Max Sink Current:** 5mA  
**Tach Cycles per Rotation:** 2