## ODB19069 Series

**DC Motorized Impeller, 24V, 48V 190x69mm (7.5”x2.70”)**

### Frame
- Die Cast Aluminum

### Impeller
- PBT, UL94 V-0 Plastic

### Connection
- 4x Lead wires, 20 AWG

### Motor
- Brushless DC, Electronically Protected, Polarity Protected

### Bearing System
- Dual Ball Bearings

### Dielectric Strength
- 500VAC/min < 1mA

### Insulation Resistance
- 10M ohm between leadwires and frame (500 VDC)

### Operating Temperature
- -10°C ~ +60°C

### Storage Temperature
- -40°C ~ +75°C

### Life Expectancy
- 50,000 hours (L10 at 25°C)

### Other Available Options
- Alarm
- Other Speeds Available

### Weight
- 2.87 lbs

### Part Number

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Rated Voltage</th>
<th>Rated Power</th>
<th>Nominal Current</th>
<th>Rated Speed (RPM)</th>
<th>Airflow (CFM)</th>
<th>Noise Level (dB)</th>
<th>Max. Static Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODB19069-24HB10A</td>
<td>24 VDC</td>
<td>108 W</td>
<td>4.5 A</td>
<td>3200</td>
<td>395</td>
<td>70</td>
<td>1.97” H₂O</td>
</tr>
<tr>
<td>ODB19069-48HB10A</td>
<td>48 VDC</td>
<td>122.4 W</td>
<td>2.55 A</td>
<td>3500</td>
<td>432</td>
<td>73</td>
<td>2.0” H₂O</td>
</tr>
</tbody>
</table>

**PWM Source**

- PWM Low Voltage: <0.5V
- PWM High Voltage: >2.6V
- PWM High Voltage Max: ≤12V
- PWM Max Sink Current: 8mA
- PWM Frequency Range: 100Hz-100KHz
- PWM Typical Frequency: 25KHz
- RPM at 0% Duty Cycle: 0 RPM
- RPM will be full speed if PWM input is disconnected.

**Customer Tach Circuit**

- Tach Max Voltage = 24V
- Tach Max Current = 5mA
- Tach Low Voltage = 0.5V
- Tach Pulses per rotation = 2

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**Orion Fans**

Information and data is subject to change without prior notification