**OD8032 Series**

DC Fan - 12, 24, 48V
80x32mm (3.15” x 1.25”)

<table>
<thead>
<tr>
<th>Frame</th>
<th>PBT, UL94V-0 plastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impeller</td>
<td>PBT, UL94V-0 plastic</td>
</tr>
<tr>
<td>Connection</td>
<td>2x Lead wires (24AWG)</td>
</tr>
<tr>
<td>Motor</td>
<td>Brushless DC, auto restart, polarity protected</td>
</tr>
<tr>
<td>Bearing System</td>
<td>Dual ball or Sleeve</td>
</tr>
<tr>
<td>Insulation Resistance</td>
<td>&gt;100M ohm between lead-wire and frame (500VDC)</td>
</tr>
<tr>
<td>Dielectric Strength</td>
<td>1 min at 1500 VAC, 50/60Hz</td>
</tr>
</tbody>
</table>

**Available Options**
- Tachometer (FG)
- Alarm (RD)
- Thermal Speed Control (Thermistor)
- PWM Input (Manual Speed Control)

**Operating Temperature**
- Ball: -20°C ~ +70°C
- Sleeve: 10°C ~ +50°C Bearing

**Storage Temp**
- -40°C ~ +80°C

**Life Expectancy (L10)**
- Ball: 70,000 hours (40°C)
- Sleeve: 35,000 hours (40°C)

**Bearing System**
- Ball: 70,000 hours (40°C)
- Sleeve: 35,000 hours (40°C)

**Weight**
- ~ 0.24 lbs.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Speed (RPM)</th>
<th>Airflow (CFM)</th>
<th>Noise (dB)</th>
<th>Volts DC</th>
<th>Voltage Range</th>
<th>Real Current (Amps)</th>
<th>Max. Static Pressure (&quot;H2O)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD8032-12H*</td>
<td>3800</td>
<td>49.8</td>
<td>41.0</td>
<td>12</td>
<td>10.8~13.2</td>
<td>0.19</td>
<td>.28</td>
</tr>
<tr>
<td>OD8032-12M*</td>
<td>3400</td>
<td>44.8</td>
<td>36.7</td>
<td>12</td>
<td>10.8~13.2</td>
<td>0.16</td>
<td>.24</td>
</tr>
<tr>
<td>OD8032-12L*</td>
<td>3000</td>
<td>40.0</td>
<td>35.0</td>
<td>12</td>
<td>10.8~13.2</td>
<td>0.11</td>
<td>.19</td>
</tr>
<tr>
<td>OD8032-24H*</td>
<td>3800</td>
<td>49.8</td>
<td>41.8</td>
<td>24</td>
<td>21.6~26.4</td>
<td>0.12</td>
<td>.28</td>
</tr>
<tr>
<td>OD8032-24M*</td>
<td>3400</td>
<td>44.8</td>
<td>36.7</td>
<td>24</td>
<td>21.6~26.4</td>
<td>0.10</td>
<td>.24</td>
</tr>
<tr>
<td>OD8032-24L*</td>
<td>3000</td>
<td>39.6</td>
<td>35.5</td>
<td>24</td>
<td>21.6~26.4</td>
<td>0.07</td>
<td>.19</td>
</tr>
<tr>
<td>OD8032-48H*</td>
<td>3800</td>
<td>50.0</td>
<td>42.0</td>
<td>48</td>
<td>24~56</td>
<td>0.07</td>
<td>.28</td>
</tr>
<tr>
<td>OD8032-48L*</td>
<td>3000</td>
<td>39.6</td>
<td>35.5</td>
<td>48</td>
<td>24~56</td>
<td>0.06</td>
<td>.19</td>
</tr>
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* Indicate “B” (Ball Bearing), “S” (Sleeve Bearing)
**Frame & Impeller** | PBT, UL94V-0 plastic
---|---
**Connection** | 3x Lead wires *
**Motor** | Brushless DC, auto restart, polarity protected.
**Bearing System** | Dual ball bearing
**Insulation Resistance** | Min. 10M at 500VDC
**Dielectric Strength** | 1 second at 500VAC max leakage 500 microamp
**Temperature Range** | -10C ~ +70C
**Storage Temperature** | -40C ~ +80C
**Life (L10)** | 70,000 hours (40C)

**Available Options**
- IP55
- Other speeds and voltages
- Tachometer
- PWM

*Connection:
- Wire Leads - UL1007
- 24AWG Red(+), Black (-), Yellow Alarm

**Weight**: 108 g

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**Model Number** | OD8032-12HHB02A
---|---
**Part Number** | 184151231
**Nominal Voltage** | 12 VDC
**Voltage Range** | 7~13.2 VDC
**Nominal Current** | .23 A
**Rated Power** | 4.56 Watts
**Rated Speed (RPM)** | 4200
**Airflow (CFM)** | 55.5
**Noise Level (dB)** | 44
**Max. Static Pressure** | .32 "H2O"
OD8032-24HHB
DC Fan, 24VDC
80x32mm (3.15x1.25in)

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<th>Frame &amp; Impeller</th>
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<td>Connection</td>
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<tr>
<td>Motor</td>
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<tr>
<td>Bearing System</td>
<td>Dual ball bearing</td>
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<tr>
<td>Insulation Resistance</td>
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<tr>
<td>Dielectric Strength</td>
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</tr>
<tr>
<td>Temperature Range</td>
<td>-10C ~ +70C</td>
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<tr>
<td>Life (L10)</td>
<td>70,000 hours (40C)</td>
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Available Options:
- IP55
- Other speeds and voltages
- Tachometer
- PWM
- Alarm

*Connection: Wire Leads - UL1007 24AWG Red(+), Black (-),

Weight: 108 g

Model Number: OD8032-24HHB
Part Number: 184251001
Nominal Voltage: 24 VDC
Voltage Range: 17~26.4 VDC
Nominal Current: 0.15 A
Rated Power: 4.32 Watts
Rated Speed (RPM): 4200
Airflow (CFM): 55.5
Noise Level (dB): 44
Max. Static Pressure: 0.32 “H₂O
**OD8032-24HHB02A**

DC Fan, 24VDC  
80x32mm (3.15x1.25in)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tr>
<td><strong>Model Number</strong></td>
<td>OD8032-24HHB02A</td>
</tr>
<tr>
<td><strong>Part Number</strong></td>
<td>184251231</td>
</tr>
<tr>
<td><strong>Nominal Voltage</strong></td>
<td>24 VDC</td>
</tr>
<tr>
<td><strong>Voltage Range</strong></td>
<td>17~26.4 VDC</td>
</tr>
<tr>
<td><strong>Nominal Current</strong></td>
<td>0.15 A</td>
</tr>
<tr>
<td><strong>Rated Power</strong></td>
<td>4.32 Watts</td>
</tr>
<tr>
<td><strong>Rated Speed (RPM)</strong></td>
<td>4200</td>
</tr>
<tr>
<td><strong>Airflow (CFM)</strong></td>
<td>55.5</td>
</tr>
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<td>44</td>
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<tr>
<td><strong>Max. Static Pressure</strong></td>
<td>0.32 &quot;H2O&quot;</td>
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**Frame & Impeller**  
PBT, UL94V-0 plastic

**Connection**  
3x Lead wires *

**Motor**  
Brushless DC, auto restart, polarity protected.

**Bearing System**  
Dual ball bearing

**Insulation Resistance**  
Min. 10M at 500VDC

**Dielectric Strength**  
1 second at 500VAC  
max leakage 500 microamp

**Temperature Range**  
-10C ~ +70C

**Storage Temperature**  
-40C ~ +80C

**Life (L10)**  
70,000 hours (40C)

**Available Options**  
IP55  
Other speeds and voltages  
Tachometer  
PWM

**Connection**  
*Connection:  
Wire Leads - UL1007  
24AWG Red(+), Black (-), Yellow Alarm

**Weight**  
108 g

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10557 Metric Drive  
Dallas, Texas 75243  
214-340-0265

RoHS Compliant