Specifications

Product
Electrically Commutated Motor

Motor Type
Brushless DC Motor

Motor Finish
Advanced Plastic Housing

Rated Power
9, 12 Watts

Supply Voltage
115VAC (100VAC – 127VAC)

Supply Frequency
60Hz

Current
0.23A, 0.31A

Lead Wire Length
15” with Lyall two pin plug

Temperature Rating
-22°F – 122°F

Thermal Overload
If the motor fails to start, locked rotor/stall detection switches the motor to standby mode, with automatic restart after 60 seconds. This software detection protects the motor with a timed restart algorithm to limit maximum winding temperature. Self-resetting thermal protection stops the motor if over-temperature occurs. The motor restarts when the winding temperature is back within the operating range.

Moisture and Dust Protection
ECR01 motors are IP55. In all ECR01 motors a conformal coating is applied to the electronic control board for complete moisture protection.

Insulation Class
Class A

Weight
1.87 lbs (0.85kg)

Rated Speed
1500 RPM, 1550 RPM

Mounting
Mounted in any Position

Bearings
Ball Bearings

Rotation
CCW SE

Agency
UL cUL

SKU Specifications

<table>
<thead>
<tr>
<th>Motor</th>
<th>Voltage/HZ</th>
<th>Current A</th>
<th>Speed RPM</th>
<th>Output Power W</th>
<th>Protection</th>
<th>Approvals</th>
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<tbody>
<tr>
<td>ECR01-9W</td>
<td>115/60</td>
<td>0.23</td>
<td>1500</td>
<td>9</td>
<td>IP55</td>
<td>UL, cUL</td>
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<tr>
<td>ECR01-12W</td>
<td>115/60</td>
<td>0.31</td>
<td>1550</td>
<td>12</td>
<td>IP55</td>
<td>UL, cUL</td>
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Dimensions

<table>
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<tr>
<th>Dimensions</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
<th>G (mm)</th>
<th>H (mm)</th>
<th>I (mm)</th>
<th>K (mm)</th>
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<td>inches</td>
<td>3.46</td>
<td>1.02</td>
<td>1.50</td>
<td>2.05</td>
<td>19.68</td>
<td>1.36</td>
<td>1.81</td>
<td>3.03</td>
<td>2.64</td>
<td>2.81</td>
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</table>

ECR01-9W and ECR01-12W come standard with a 2 pin Lyall