Anaheim Automation’s DC motors provide a cost effective solution for your application. The 90mm Brush DC series can be used in many applications such as robotics and medical applications. The 90mm Brush DC series has strong permanent magnets to provide up to 106.2 oz-in of torque. At nominal voltage this motor will go up to 1500RPM. Cooling vents on the motor casing are placed optimally for internal cooling of the motor.

### 90mm Brush DC Motor
- **DC Brush Motor**
- **90mm Diameter**
- **Up to 106.2 oz-in of Torque**
- **Designed for High-Volume Applications**
- **Custom Versions Available**
- **ISO & TS Automotive Certified**

### DESCRIPTION
Anaheim Automation’s DC motors provide a cost effective solution for your application. The 90mm Brush DC series can be used in many applications such as robotics and medical applications. The 90mm Brush DC series has strong permanent magnets to provide up to 106.2 oz-in of torque. At nominal voltage this motor will go up to 1500RPM. Cooling vents on the motor casing are placed optimally for internal cooling of the motor.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model #</th>
<th>No load Speed (RPM)</th>
<th>Rated Speed (RPM)</th>
<th>Rated Current (A)</th>
<th>Starting Current (A)</th>
<th>Rated Torque (oz-in)</th>
<th>Starting Torque (oz-in)</th>
<th>Rated Voltage (VDC)</th>
<th>Approx Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDC-168-N-24-1500-O-CJ-W6</td>
<td>1500</td>
<td>1000</td>
<td>5.5</td>
<td>18</td>
<td>106.21</td>
<td>396.53</td>
<td>24</td>
<td>6.9</td>
</tr>
</tbody>
</table>

### DIMENSIONS

**BDC-168-N-12-2300-R-CA-W1**

- **Rear Shaft**
  - N: No Rear Shaft
  - R: Rear Shaft
- **Voltage**
  - 12V
  - 24V
- **Speed**
  - RPM
- **Shaft Option**
  - R: Shaft Flat
  - O: Shaft Option
- **Wiring**
  - W1
- **Connector Option**
  - CA: Flying lead Cable
  - CJ: Closed lead Cable

*See wiring diagram for details.*
Dimensions in mm/in

O Shaft

W6

CA Connector

*Units: mm/in

TORQUE CURVE