Anaheim Automation's DC motors provide a cost effective solution for your application. The 89mm Brush DC series can be used in many applications such as robotics and medical applications. The 89mm Brush DC series has strong permanent magnets to provide up to 70.8 oz-in of torque. At nominal voltage this motor will up to 2300RPM. Cooling vents on the motor casing are placed optimally for internal cooling of the motor.

### 89mm Brush DC Motor
- **DC Brush Motor**
- **89mm Diameter**
- **Up to 70.8 oz-in of Torque**
- **Designed for High-Volume Applications**
- **Custom Versions Available**
- **ISO & TS Automotive Certified**

### 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-12-2300-R-CA-W1</td>
<td>2300</td>
<td>1900</td>
<td>14</td>
<td>64</td>
<td>70.8</td>
<td>424.85</td>
<td>12</td>
<td>6.9</td>
</tr>
<tr>
<td>BDC-168-N-24-2300-R-CA-W1</td>
<td>2300</td>
<td>1900</td>
<td>7</td>
<td>32</td>
<td>70.8</td>
<td>424.85</td>
<td>24</td>
<td>6.9</td>
</tr>
</tbody>
</table>

### Dimensions

- **Rear Shaft**
  - **N** No Rear Shaft
  - **R** Rear Shaft
- **Voltage**
  - **12V**
  - **24V**
- **Speed**
  - **1900RPM**
- **Shaft Option**
  - **R** Shaft Flat
- **Wiring**
  - **W1**
  - *See wiring diagram for details*
- **Connector Option**
  - **CA** Flying lead Cable
Dimensions in mm/in

*R units: mm/in

Dimensions in mm/in

R Shaft

4985 East Landon Drive
Anaheim, CA 92807
W1

CA Connector

TORQUE CURVE

WIRING/CONNECTOR OPTIONS

DIMENSIONS