Anaheim Automation’s DC motors provide a cost effective solution for your application. The 85mm Brush DC series can be used in many applications such as robotics and medical applications. The 85mm Brush DC series has strong permanent magnets to provide up to 56.64 oz-in of torque. At nominal voltage, this motor will up to 1900RPM. Cooling vents on the motor casing are placed optimally for internal cooling of the motor.

<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-169-N-12-1900-2-C3-W1</td>
<td>1900</td>
<td>1500</td>
<td>9</td>
<td>38</td>
<td>56.64</td>
<td>283.23</td>
<td>12</td>
<td>5.35</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

- **Rear Shaft**
  - N: No Rear Shaft
  - R: Rear Shaft
- **Voltage**
  - 12V
  - 24V
- **Speed**
  - 1900RPM
- **Shaft Option**
  - 2: Shaft With Pin Hole
- **Wiring**
  - W1

*See wiring diagram for details*

**Connector Option**

- C3: 380-400mm Cable

**BDC-169-N-12-1900-2-C3-W1**
WIRING/TORQUE CURVE

- **2 Shaft C3 connector**

SHAFT/CONNECTOR

- **Shaft/connector W1**

DIMENSIONS

- **Units: mm/in**

- **Dimensions Diagram**

- **Motor Diagram**

- **Wiring Diagram**

- **Torque Curve Graph**

- **Motor Diagram**

- **Wiring Diagram**

- **Torque Curve Graph**