The BLWR235S-36V-4000-04 is a limited-time custom Brushless DC Motor and Driver, combining a powerful BLDC motor design with the drive electronics in one package. This motor and driver was specifically designed for pump applications, set to run at currents between 2 to 20A (peak) at 15-50VDC. The motor/driver combination is equipped with two internal potentiometers, allowing the user to control both the peak current and speed of the motor. The motor/driver has only two connections: power and ground, making it a simple and affordable solution for many motion control applications!

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Frame Size</th>
<th>Rated Voltage (V)</th>
<th>Rated Speed (RPM)</th>
<th>Rated Power (W)</th>
<th>Peak Torque (oz-in.)</th>
<th>Torque Constant (oz-in/A)</th>
<th>Rotor Inertia (oz-in-sec²)</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLWR235S-36V-4000-04</td>
<td>23</td>
<td>36</td>
<td>4000</td>
<td>180</td>
<td>185</td>
<td>9.00</td>
<td>0.0032600</td>
<td>3.00</td>
</tr>
</tbody>
</table>

**Winding Type:** Delta, 8 Poles  
**Max Radial Force:** 28N @ 20mm from the Flange  
**Hall Effect Angle:** 120 Degree Electrical Angle  
**Max Axial Force:** 10N  
**Shaft Run Out:** 0.025mm  
**Insulation Class:** Class B  
**Radial Play:** 0.02mm @ 450g  
**Dielectric Length:** 500VDC for One Minute  
**End Play:** 0.08mm @ 450g  
**Insulation Resistance:** 100MOhm, 500VDC