Built upon more than 47 years of experience and flight heritage, CDA InterCorp’s line of 270 VDC Brushless Motors offers the most power dense solution available today. These motors offer superior performance and reliability for flight control and safety critical applications. CDA’s selection of premium materials contribute to the wide temperature range of -80°C to +225°C, and resilience to severe environmental conditions, when tested per MIL-STD-810 and RTCA-DO-160.

<table>
<thead>
<tr>
<th>Motor Size (4pole 3phase)</th>
<th>Data at Max Continuous Torque Output*</th>
<th>Data at Stall (Room Temp)</th>
<th>No Load Speed est. (270VDC Supply)</th>
<th>Torque Constant**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Motor Torque</td>
<td>Power Output</td>
<td>Motor Torque</td>
<td>Power Loss</td>
</tr>
<tr>
<td></td>
<td>Oz-in</td>
<td>mNm</td>
<td>RPM</td>
<td>Watts</td>
</tr>
<tr>
<td>0.750&quot;</td>
<td>5.6</td>
<td>40</td>
<td>15000</td>
<td>62.2</td>
</tr>
<tr>
<td>1.000&quot;</td>
<td>16.6</td>
<td>117</td>
<td>15000</td>
<td>185</td>
</tr>
<tr>
<td>1.250&quot;</td>
<td>32.1</td>
<td>227</td>
<td>15000</td>
<td>357</td>
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<tr>
<td>1.500&quot;</td>
<td>57.6</td>
<td>407</td>
<td>15000</td>
<td>639</td>
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<tr>
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<td>805</td>
<td>12500</td>
<td>1060</td>
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<tr>
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<td>1864</td>
<td>10000</td>
<td>1950</td>
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<tr>
<td>3.000&quot;</td>
<td>414</td>
<td>2924</td>
<td>10000</td>
<td>3060</td>
</tr>
</tbody>
</table>

*Assuming no gearhead attached, room temperature air environment running winding to 200°C. Higher efficiencies possible by decreasing torque. Significantly higher torques are possible in each size for finite durations. **Winding assumes full torque available at 200°C from 270V at listed speed. Other windings avail.

Based on your specific needs, CDA will create a unique motor winding to further optimize the efficiency and minimize the overall envelope. Any and all of these motors can be mated to any of CDA’s output geartrains and often times CDA’s final design is smaller than what is listed above.