SYNCHRONOUS MOTOR FAMILY

Series 73mm (RA) Direct Drive Synchronous Motor

- Output Speed: 300 RPM
- Lead Wire: 4 leads 22AWG (approx. 12 inches [304.8 mm])
- Operation Ambient Temp.: -10°C to +40°C (approx.)
- Shaft Bearing: Sleeve or Ball Bearing Available

UL Recognition:
E53578(N), Component-Impedance Protected Motors, 115Vac 60 Hz Standard Rotor

CS Certification:
Card No. 42576, Motors and Generators, 115 Vac, 60 Hz, 11 watts max.

Capacitor is required for operation.

Note: Typical data subject to change without notification

The rugged RA series is the largest direct drive motor of the HURST® permanent magnet synchronous line with dynamic torque ratings of 15 ounce-inches [105.9 mN-m] (standard) and 20 ounce-inches [141.2 mN-m] Hi-Torque. At 60Hz rotor speed is 300 RPM. Motors are available with a single or double ended shaft. Sleeve and ball bearings are available.

RA motors are designed to assure reliable starting in the desired direction and to eliminate unwanted reversal of rotation under load. Motors listed are 115 VAC at 60 Hz and require a capacitor.

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Output Speed (RPM)</th>
<th>Rated Torque (oz-in)</th>
<th>Rated Torque (mN-m)</th>
<th>Input Power (watts)</th>
<th>Capacitor Value (mfd)</th>
<th>Full Load Temp. Rise (°C)</th>
<th>Weight (oz)</th>
<th>Weight (g)</th>
<th>Shaft Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA</td>
<td>3901-001</td>
<td>300</td>
<td>15</td>
<td>105.9</td>
<td>11</td>
<td>1.0</td>
<td>37</td>
<td>26</td>
<td>737.1</td>
<td>SLEEVE</td>
</tr>
<tr>
<td>RA</td>
<td>3905-001</td>
<td>300</td>
<td>20</td>
<td>141.2</td>
<td>14.5</td>
<td>1.3</td>
<td>46</td>
<td>26</td>
<td>737.1</td>
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<tr>
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</tbody>
</table>

Bold face listings indicate Hi-Torque rotor.
Capacitors are non-polarized and must always be connected between the red and black leads. Always connect the (2) coil blue leads together. Connect the power supply to the blue leads and red lead to produce clockwise (CW) rotation viewing shaft end. Connect the power supply to the blue leads and black lead to produce counter-clockwise (CCW) rotation viewing shaft end.