**SYSTEM 1**

Example: 417-09-07DE-01RO

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Winding Code</th>
<th>Special Modifications</th>
<th>Certification</th>
<th>RO: RoHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 17: Size 17</td>
<td>09: Size 17</td>
<td>07: Size 17</td>
<td>RO: RoHS</td>
<td></td>
</tr>
</tbody>
</table>

Steps per Revolution:
- 1: 100
- 2: 200
- 4: 400
- 8: 800

Frame Size
- 08: Size 08
- 11: Size 11
- 17: Size 17
- 23: Size 23

Overall Length
- 06: 3.54" Max.
- 04: 3.58" Max.
- 07: 3.70" Max.
- 10: 4.00" Max.
- 11: 4.10" Max.
- 15: 4.54" Max.
- 17: 4.70" Max.
- 18: 4.75" Max.
- 20: 4.95" Max.
- 21: 5.10" Max.

Special Identifiers
- C: Double Shaft
- E: Eight Lead
- S: Series Connection
- P: Parallel Connection
- T: Noise Reduced Connection
- R: R-Winding

**SYSTEM 2**

Example: 5718M-01DE-01RO

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Winding Code</th>
<th>Special Modifications</th>
<th>Certification</th>
<th>RO: RoHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>57 18: Size 18</td>
<td>01: Size 18</td>
<td>01: Size 18</td>
<td>RO: RoHS</td>
<td></td>
</tr>
</tbody>
</table>

Degrees per Step
- 18: 1.8 Degree
- 09: 0.9 Degree
- 04: 0.45 Degree

Overall Length
- P: Short
- S: Short
- M: Medium
- L: Long

Special Identifiers
- D: Double Shaft
- E: Eight Lead
- S: Series Connection
- P: Parallel Connection
- T: Noise Reduced Connection
- R: Noise Reduced Winding
- M: Mounting option for 3709 motors*

**BRUSHLESS DC**

Example: BL24B20-03D-01RO

<table>
<thead>
<tr>
<th>Frame Size</th>
<th>Winding Code</th>
<th>Special Modification</th>
<th>Certification</th>
<th>RO: RoHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 20: Size 24</td>
<td>03: Size 20</td>
<td>01: Size 20</td>
<td>RO: RoHS</td>
<td></td>
</tr>
</tbody>
</table>

Motor Length in Inch (Rounded up to 0.1 in)
- 17: 1.7 in.
- 19: 1.9 in.
- 20: 2.0 in.
- 21: 2.2 in.
- 24: 2.4 in.
- 27: 2.7 in.
- 26: 2.6 in.
- 32: 3.2 in.
- 36: 3.6 in.
- 38: 3.8 in.
- 40: 4.0 in.
- 46: 4.5 in.

Shaft Modification
- D: Double Shaft

Special Modification
- M: Mounting option for 3709 motors*