

View Online at <https://aerobasegroup.com/nsn/5990-01-311-3710>

**Body Material:**

Aluminum

**Body Style:**

Standard round double flange a

**Shoulder Diameter:**

3.3340 inches

**Pilot Diameter:**

1.6300 inches

**Second Shoulder Diameter:**

3.3700 inches

**Second Shoulder Length:**

0.3750 inches

**Overall Length:**

6.0500 inches

**Flange Diameter:**

Between 3.6230 inches and 3.6250 inches

**Flange Thickness:**

Between 0.2460 inches and 0.2500 inches

**Body Diameter:**

3.3900 inches

**Shaft Diameter:**

0.2498 inches single shaft and 0.2500 inches single shaft

**Shaft Length:**

0.7700 inches single shaft

**Fragility Factor:**

Moderately rugged

**Distance Between Flanges:**

1.8120 inches

**Body Size:**

37

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

550.0 milliamperes

**Stator Input Electrical Power Rating:**

4.25 watts

**Frequency In Hertz:**

Between 50.0 and 60.0

**Rotor Dc Resistance In Ohms:**

14.60

**Stator Dc Resistance In Ohms:**

10.50

**Phase Shift Angle In Deg:**

6.000 input to output

**Electrical Error Angular Range In Minutes:**

-18.0/+18.0

**Actuator Friction Torque At Plus 25 Deg Celsius:**

0.50 inch-ounces

**Torque Gradient Per Angular Deg:**

0.300 inch-ounces

**Alignment Hole Quantity:**

5

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0010 inches

**Shaft End Play:**

Between 0.0010 inches and 0.0050 inches

**Pilot Length:**

Between 0.0200 inches and 0.0400 inches

**Shoulder Length:**

0.7850 inches

**Err Default:**

Err default

**Mounting Surface To Terminal End Distance:**

3.7680 inches

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

2a

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.3020 inches single shaft and 0.3220 inches single shaft

**Shaft Type:**

Round, threaded single shaft

**Alignment Hole Depth:**

0.5000 inches

**Transformation Ratio:**

1.000 rotor to stator

**Alignment Hole Bolt Circle Diameter:**

3.0000 inches

**Shaft Thread Size:**

0.250 inches single shaft

**Shaft Radial Play Determining Weight:**

48.0 ounces

**Shaft End Play Determining Weight:**

48.0 ounces

**Special Features:**

Shaft is also slotted, 0.032 in. Wide by 0.047 in. Deep

**Terminal Type And Quantity:**

6 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fig:**

A07800