

View Online at <https://aerobasegroup.com/nsn/5990-01-084-8330>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

Between 2.6950 inches and 2.7000 inches

**Pilot Diameter:**

0.2970 inches

**Second Shoulder Diameter:**

Between 2.7490 inches and 2.7500 inches

**Second Shoulder Length:**

0.3750 inches

**Overall Length:**

5.3550 inches

**Flange Diameter:**

Between 3.0990 inches and 3.1000 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

2.7000 inches

**Shaft Diameter:**

0.2403 inches single shaft and 0.2405 inches single shaft

**Shaft Length:**

0.6900 inches single shaft and 0.7100 inches single shaft

**Maximum Temperature Rise:**

18.0 degrees celsius

**Body Size:**

31

**Stator Input Voltage Rating In Volts:**

90.0

**Stator Input Current Rating:**

725.0 milliamperes

**Stator Input Electrical Power Rating:**

7.7 watts

**Frequency In Hertz:**

60.0

**Zrs Resistance In Ohms:**

44.00

**Zrs Impedance Angle In Deg:**

27.00

**Rotor Dc Resistance In Ohms:**

24.00

**Stator Dc Resistance In Ohms:**

19.00

**Phase Shift Angle In Deg:**

6.500 input to output

**Electrical Error Angular Range In Minutes:**

-10.0/+10.0

**Spline Tooth Quantity:**

22 single shaft

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

0.50 inch-ounces

**Torque Gradient Per Angular Deg:**

0.300 inch-ounces

**Pilot Length:**

0.0300 inches

**Shoulder Length:**

0.6150 inches

**Aft Of First Flange Diameter:**

Between 2.7490 inches and 2.7500 inches

**Mounting Surface To Terminal End Distance:**

4.4063 inches

**Spline Tooth Diametral Pitch:**

96 single shaft

**Shaft Thread Series Designator:**

Unf single shaft

**Shaft Thread Direction:**

Right-hand single shaft

**Shaft Thread Class:**

2a

**Terminal Location:**

Rear

**Shaft Thread Length:**

0.3640 inches single shaft

**Shaft Type:**

Spline w/threads single shaft

**Transformation Ratio:**

1.154 rotor to stator

**Shaft Thread Size:**

0.250 inches single shaft

**Terminal Type And Quantity:**

6 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A07800