

View Online at <https://aerobasegroup.com/nsn/5990-00-973-7531>

**Body Material:**

Steel, corrosion resisting

**Body Style:**

Standard round d

**Shoulder Diameter:**

1.9900 inches

**Pilot Diameter:**

0.6000 inches

**Second Shoulder Diameter:**

1.9995 inches

**Second Shoulder Length:**

0.1700 inches

**Overall Length:**

4.3150 inches

**Flange Diameter:**

2.2500 inches

**Flange Thickness:**

0.2500 inches

**Body Diameter:**

1.9900 inches

**Shaft Diameter:**

0.2405 inches single shaft

**Shaft Length:**

0.6760 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Fragility Factor:**

Moderately rugged

**Maximum Temperature Rise:**

44.0 degrees celsius

**Body Size:**

23

**Rotor Input Voltage Rating In Volts:**

115.0

**Frequency In Hertz:**

60.0

**Rotor Input Current Rating:**

190.0 milliamperes

**Rotor Input Electrical Power Rating:**

4.5 watts

**Zro Resistance In Ohms:**

215.00

**Zso Resistance In Ohms:**

77.00

**Zrs Resistance In Ohms:**

262.00

**Rotor Dc Resistance In Ohms:**

95.60

**Stator Dc Resistance In Ohms:**

53.60

**Phase Shift Angle In Deg:**

9.900 input to output

**Electrical Error Angular Range In Minutes:**

-8.0/+8.0

**Spline Tooth Quantity:**

22 single shaft

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

0.20 inch-ounces

**Torque Gradient Per Angular Deg:**

0.120 inch-ounces

**Shaft Radial Play Test Point:**

0.125 inches

**Shaft Maximum Radial Play:**

0.0010 inches

**Shaft End Play:**

Between 0.0005 inches and 0.0025 inches

**Pilot Length:**

0.0430 inches

**Shoulder Length:**

0.2500 inches

**Aft Of First Flange Diameter:**

1.9995 inches

**Mounting Surface To Terminal End Distance:**

3.5820 inches

**Spline Tooth Diametral Pitch:**

96 single shaft

**Shaft Maximum Runout:**

0.0008 inches

**Terminal Location:**

Rear

**Plus J Zro Reactance In Ohms:**

525.00

**Plus J Zso Reactance In Ohms:**

219.00

**Plus J Zrs Reactance In Ohms:**

78.70

**Shaft Type:**

Spline single shaft

**Transformation Ratio:**

0.783 stator to rotor

**Shaft Radial Play Determining Weight:**

8.0 ounces

**Shaft End Play Determining Weight:**

16.0 ounces

**Special Features:**

Sleeve pressed on shaft

**Terminal Type And Quantity:**

5 screw

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800