

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:

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