

View Online at <https://aerobasegroup.com/nsn/5990-01-362-4011>

**Body Material:**

Aluminum

**Body Style:**

Standard round c

**Shoulder Diameter:**

Between 0.8118 inches and 0.8123 inches

**Pilot Diameter:**

Between 0.4995 inches and 0.5000 inches

**Overall Length:**

1.6540 inches

**Flange Diameter:**

Between 0.9360 inches and 0.9370 inches

**Flange Thickness:**

0.0380 inches

**Undercut Diameter:**

0.8400 inches

**Undercut Width:**

0.0620 inches

**Shaft Diameter:**

0.0895 inches single shaft and 0.0900 inches single shaft

**Shaft Length:**

0.3370 inches single shaft

**Schematic Diagram Designator:**

Err-090

**Maximum Temperature Rise:**

125.0 degrees celsius

**Body Size:**

10

**Rotor Input Voltage Rating In Volts:**

26.0

**Frequency In Hertz:**

400.0

**Rotor Input Current Rating:**

0.234 amperes

**Rotor Input Electrical Power Rating:**

0.997 watts finished-chamfered

**Zro Resistance In Ohms:**

18.20

**Zso Resistance In Ohms:**

4.90

**Zrs Resistance In Ohms:**

32.40

**Rotor Dc Resistance In Ohms:**

11.50

**Actuator Friction Torque At Minus 55 Deg Celsius:**

5400.0 millimeter-milligrams

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

2700.0 millimeter-milligrams

**Torque Gradient Per Angular Deg:**

5000.0 millimeter-milligrams

**Alignment Hole Quantity:**

3

**Shaft Maximum Radial Play:**

0.0010 inches

**Shaft End Play:**

Between 0.0020 inches and 0.0050 inches

**Pilot Length:**

0.0380 inches

**Shoulder Length:**

0.0620 inches

**Mounting Surface To Terminal End Distance:**

1.2410 inches

**Shaft Maximum Runout:**

0.0010 inches

**Mounting Facility Screw Thread Series Designator:**

Unc

**Terminal Location:**

Rear

**Plus J Zso Reactance In Ohms:**

19.40

**Plus J Zrs Reactance In Ohms:**

10.90

**Shaft Type:**

Round, flat, undercut single shaft

**Mounting Facility Screw Thread Diameter:**

0.073 inches

**Transformation Ratio:**

0.454 rotor to stator

**Shaft Tip Length:**

0.0200 inches single shaft

**Shaft Flatted Portion Thickness:**

0.0830 inches single shaft and 0.0870 inches single shaft

**Shaft Flatted Portion Length:**

0.1240 inches single shaft and 0.1260 inches single shaft

**Terminal Type And Quantity:**

5 wire lead

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A07800