

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