

View Online at <https://aerobasegroup.com/nsn/6105-01-220-7163>

**Thread Class:**

3a single end

**Thread Direction:**

Right-hand single end

**Overall Height:**

14.625 inches

**Overall Length:**

28.813 inches

**Overall Width:**

16.437 inches

**Thread Length:**

0.938 inches single end

**Hole Diameter:**

0.125 inches single end

**Hole Depth:**

0.593 inches single end

**Step Diameter:**

1.125 inches single end

**Step Length:**

3.906 inches single end

**Keyway Width:**

0.250 inches single end

**Keyway Depth:**

0.250 inches single end

**Shaft Diameter:**

0.593 inches single end

**Keyway Length:**

1.812 inches single end

**Hole Center To Shaft End Distance:**

0.188 inches single end

**Shaft Rotation Direction:**

Clockwise first end

**Duty Cycle:**

Continuous

**Inclosure Feature:**

Totally enclosed

**Winding Type:**

Induction-squirrel cage

**Mounting Method:**

Face and fixed base

**Mounting Facility Type And Quantity:**

4 threaded hole and 4 unthreaded hole

**Cooling Method:**

Fan cooled

**Current Rating Method:**

Load

**Inclosure Specificationification:**

Nema

**Features Provided:**

Horizontal mounting position

**Thready Qty Per Inch (tpi):**

12 single end

**Frame Size Designation:**

254uncz

**Power Rating:**

7.500 horsepower output

**Thread Size:**

0.750 inches single end

**Length Of Shaft From Housing:**

10.000 inches single end

**Shaft Center To Mounting Surface Distance:**

6.250 inches single end

**Center To Center Distance Between Mounting Facilities Parallel To Length:**

8.250 inches

**Tempurature Rating:**

50.0 ambient degrees celsius

**Mounting Facility Circle Diameter:**

7.250 inches

**Rotor Speed Rating In Rpm:**

1800.0 single no load and 1755.0 single full load

**Center To Center Distance Between Mounting Facilities Parallel To Width:**

10.000 inches

**Current Rating In Amps:**

10.300 single input

**Connection Type And Voltage Rating In Volts:**

440.0 line to neutral single input

**Shaft End Characteristic:**

A13 first style single end and a2 second style single end and a9 third style single end and a12 fourth style single end

**Phase:**

Three input

**Special Features:**

Shaft end second style 0.750 in. Dia; shaft end third style 1.000 in. Dia; shaft end fourth style 1.375 in. Dia

**Frequency In Hertz:**

60.0 input

**Thread Series Designator:**

Un single end

**Terminal Type And Quantity:**

3 solderless lug

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

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