

View Online at <https://aerobasegroup.com/nsn/6105-01-358-4033>

**Thread Class:**

3a single end

**Thread Direction:**

Right-hand single end

**Overall Height:**

15.000 inches

**Overall Length:**

26.000 inches

**Overall Width:**

12.500 inches

**Thread Length:**

0.630 inches single end

**Shaft Diameter:**

0.500 inches single end

**Duty Cycle:**

Continuous

**Inclosure Feature:**

Totally enclosed

**Winding Type:**

Induction-squirrel cage

**Mounting Method:**

Fixed base

**Mounting Facility Type And Quantity:**

4 unthreaded hole

**Current Rating Method:**

Load

**Features Provided:**

Horizontal mounting position

**Frame Size Designation:**

254nc

**Power Rating:**

7.500 horsepower output

**Thread Size:**

0.500 inches single end

**Criticality Code Justification:**

Zzzy

**Length Of Shaft From Housing:**

6.880 inches single end

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

8.240 inches

**Tempurature Rating:**

50.0 ambient degrees celsius

**Mounting Facility Circle Diameter:**

0.781 inches

**Rotor Speed Rating In Rpm:**

3540.0 single full load

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

10.000 inches

**Current Rating In Amps:**

8.800 single input

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

440.0 line to neutral single input

**Shaft End Characteristic:**

A2 single style single end

**Phase:**

Three input

**Frequency In Hertz:**

60.0 input

**Thread Series Designator:**

Unc single end

**Terminal Type And Quantity:**

3 solderless lug

**Reference Number Differentiating Characteristics:**

Magnetic permeability shall not exceed 2.0 after fabrication

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A271a0