

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 18404332

| | | | |
|-----------------------|-------------------|-----------------------------|------------------------|
| Frame | : 56HJ | Locked rotor time | : 4 s (hot) 7 s (cold) |
| Output | : 5 HP (3.7 kW) | Temperature rise | : 105 K |
| Poles | : 2 | Duty cycle | : S1 |
| Frequency | : 60 Hz | Ambient temperature | : -20 °C to +40 °C |
| Rated voltage | : 208-230 V | Altitude | : 3280 ft |
| Rated current | : 22.6-20.4 A | Protection degree | : IP21 |
| L. R. Amperes | : 158-143 A | Cooling method | : ODPFC |
| LRC | : 7.0 Code H | Mounting | : F-1/B34R(D) |
| No load current | : 3.50-7.00 A | Rotation ¹ | : Counter clockwise |
| Rated speed | : 3450 rpm | Noise level ² | : 68.0 dB(A) |
| Slip | : 4.17 % | Vibration class | : A |
| Rated torque | : 7.60 ft.lb | Starting method | : Direct On Line |
| Locked rotor torque | : 300.0 % | Approx. weight ³ | : 53.4 lb |
| Pull up torque | : 255.0 % | Painting plan | : 207N |
| Breakdown torque | : 260.0 % | Color | : MUNSELL N 1 - MATTE |
| Insulation class | : F | Design | : L |
| Service factor | : 1.00 | | |
| Moment of inertia (J) | : 0.0854 sq.ft.lb | | |

| | | | | | |
|----------------|------|------|------|-------------------------------------|-----|
| Output | 50% | 75% | 100% | Load type | : - |
| Efficiency (%) | 74.0 | 80.0 | 82.0 | Load torque | : - |
| Power Factor | 0.90 | 0.95 | 0.96 | Load inertia (J=GD ² /4) | : - |

| | | | | |
|----------------------|------------------|---------------|------------------|-----|
| | Drive end | Non drive end | Foundation loads | |
| Bearing type #1 | 6203-2RS | 6202-2RS | Max. traction | : - |
| Bearing type #2 | - | - | Max. compression | : - |
| Lubrication interval | - | - | | |
| Lubricant amount #1 | - | - | | |
| Lubricant amount #2 | - | - | | |
| Lubricant type | MOBIL POLYREX EM | | | |

Notes
See notes on page 2.

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

| Rev. | Changes Summary | Rev. | Checked | Date |
|--------------|-----------------|------------|---------|------|
| | | | | |
| Performed by | farazq | 1866066254 | | |
| Checked by | AUTOMATICO | Page | Rev. | |
| Date | 26/06/2026 | 1 / 2 | 0 | |

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Thermal protection ID

Application

Type

Quantity

Sensing Temperature

Notes

Standards

Specification : MG1 - Part 10
Test : MG1 - Part 12
Noise : MG1 - Part 9

Vibration : MG1 - Part 7
Tolerance : MG1 - Part 12

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