

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 19170744

|                       |                      |                             |                          |
|-----------------------|----------------------|-----------------------------|--------------------------|
| Frame                 | : W56J               | Locked rotor time           | : 11 s (hot) 20 s (cold) |
| Output                | : 0.5 HP (0.37 kW)   | Temperature rise            | : 80 K                   |
| Poles                 | : 2                  | Duty cycle                  | : S1                     |
| Frequency             | : 60 Hz              | Ambient temperature         | : -20 °C to +40 °C       |
| Rated voltage         | : 115/208-230 V      | Altitude                    | : 3280 ft                |
| Rated current         | : 4.78/2.64-2.39 A   | Protection degree           | : IP55                   |
| L. R. Amperes         | : 40.6/22.4-20.3 A   | Cooling method              | : IC411 - TEFC           |
| LRC                   | : 8.5 Code L         | Mounting                    | : F-1/B34R(D)            |
| No load current       | : 1.40/0.604-0.700 A | Rotation <sup>1</sup>       | : Counter clockwise      |
| Rated speed           | : 3510 rpm           | Noise level <sup>2</sup>    | : 66.0 dB(A)             |
| Slip                  | : 2.50 %             | Vibration class             | : A                      |
| Rated torque          | : 0.745 ft.lb        | Starting method             | : Direct On Line         |
| Locked rotor torque   | : 260.0 %            | Approx. weight <sup>3</sup> | : 21.6 lb                |
| Pull up torque        | : 220.0 %            | Painting plan               | : 207N                   |
| Breakdown torque      | : 300.0 %            | Color                       | : MUNSELL N 1 - MATTE    |
| Insulation class      | : F                  | Design                      | : N                      |
| Service factor        | : 1.15               |                             |                          |
| Moment of inertia (J) | : 0.0285 sq.ft.lb    |                             |                          |

|                |      |      |      |
|----------------|------|------|------|
| Output         | 50%  | 75%  | 100% |
| Efficiency (%) | 64.0 | 70.0 | 74.0 |
| Power Factor   | 0.85 | 0.88 | 0.91 |

|                                     |     |
|-------------------------------------|-----|
| Load type                           | : - |
| Load torque                         | : - |
| Load inertia (J=GD <sup>2</sup> /4) | : - |

|                      |                  |               |
|----------------------|------------------|---------------|
|                      | Drive end        | Non drive end |
| Bearing type #1      | 6203-2RS         | 6202-2RS      |
| Bearing type #2      | -                | -             |
| Lubrication interval | -                | -             |
| Lubricant amount #1  | -                | -             |
| Lubricant amount #2  | -                | -             |
| Lubricant type       | MOBIL POLYREX EM |               |

|                  |     |
|------------------|-----|
| Foundation loads |     |
| Max. traction    | : - |
| Max. compression | : - |

### 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          |  | 1866245721 |         |      |
| 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 | Vibration | : MG1 - Part 7  |
|           | Test          | : MG1 - Part 12 | Tolerance | : MG1 - Part 12 |
|           | Noise         | : MG1 - Part 9  |           |                 |

|                                                                                                                                                                                                                                                               |                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
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