

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Premium Efficiency (DOE)

|                       |                      |                             |                          |
|-----------------------|----------------------|-----------------------------|--------------------------|
| Frame                 | : W56                | Locked rotor time           | : 21 s (hot) 38 s (cold) |
| Output                | : 0.25 HP (0.18 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         | : 2.52/1.40-1.26 A   | Protection degree           | : IP55                   |
| L. R. Amperes         | : 22.7/12.6-11.3 A   | Cooling method              | : IC411 - TEFC           |
| LRC                   | : 9.0                | Mounting                    | : F-1/B3R(D)             |
| No load current       | : 1.00/0.431-0.500 A | Rotation <sup>1</sup>       | : Both                   |
| Rated speed           | : 3510 rpm           | Noise level <sup>2</sup>    | : 66.0 dB(A)             |
| Slip                  | : 2.50 %             | Vibration class             | : A                      |
| Rated torque          | : 0.369 ft.lb        | Starting method             | : Direct On Line         |
| Locked rotor torque   | : 290 %              | Approx. weight <sup>3</sup> | : 22.3 lb                |
| Pull up torque        | : 245 %              | Color                       | : PRIMER ONLY            |
| Breakdown torque      | : 300 %              | Design                      | : N                      |
| Insulation class      | : F                  |                             |                          |
| Service factor        | : 1.15               |                             |                          |
| Moment of inertia (J) | : 0.0261 sq.ft.lb    |                             |                          |

|                |      |      |      |                                     |     |
|----------------|------|------|------|-------------------------------------|-----|
| Output         | 50%  | 75%  | 100% | Load type                           | : - |
| Efficiency (%) | 50.0 | 59.5 | 68.0 | Load torque                         | : - |
| Power Factor   | 0.87 | 0.89 | 0.91 | Load inertia (J=GD <sup>2</sup> /4) | : - |

|                      |                  |               |                  |
|----------------------|------------------|---------------|------------------|
|                      | Drive end        | Non drive end | Foundation loads |
| Bearing type #1      | 6203-ZZ          | 6202-ZZ       | 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          |  | 1861514080 |         |      |
| Checked by   | AUTOMATICO      |  | Page       | Rev.    |      |
| Date         | 16/06/2026      |  | 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  |                                                                                                                             |                 |         |      |
| This revision replaces and cancel the previous one, which must be eliminated.<br>(1) Looking the motor from the shaft end.<br>(2) Measured at 1m and with tolerance of +3dB(A).<br>(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          | 1861514080                                                                                                                  |                 |         |      |
| Checked by                                                                                                                                                                                                                                                    |               | AUTOMATICO      |                                                                                                                             |                 |         |      |
| Date                                                                                                                                                                                                                                                          |               | 16/06/2026      |                                                                                                                             |                 |         |      |
|                                                                                                                                                                                                                                                               |               |                 | Page                                                                                                                        | Rev.            |         |      |
|                                                                                                                                                                                                                                                               |               |                 | 2 / 2                                                                                                                       | 0               |         |      |

