

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - Ventilação Premium Efficiency (DOE)

|                       |                    |                             |                          |
|-----------------------|--------------------|-----------------------------|--------------------------|
| Frame                 | : W56              | Locked rotor time           | : 15 s (hot) 27 s (cold) |
| Output                | : 0.5 HP (0.37 kW) | Temperature rise            | : 80 K                   |
| Poles                 | : 4                | Duty cycle                  | : S1                     |
| Frequency             | : 60 Hz            | Ambient temperature         | : -20 °C to +40 °C       |
| Rated voltage         | : 115/208-230 V    | Altitude                    | : 3280 ft                |
| Rated current         | : 4.86/3.04-2.43 A | Protection degree           | : IP21                   |
| L. R. Amperes         | : 37.4/23.4-18.7 A | Cooling method              | : IC01 - ODP             |
| LRC                   | : 7.7              | Mounting                    | : F-1/B3R(D)             |
| No load current       | : 2.70/1.16-1.35 A | Rotation <sup>1</sup>       | : Both                   |
| Rated speed           | : 1730 rpm         | Noise level <sup>2</sup>    | : 50.0 dB(A)             |
| Slip                  | : 3.89 %           | Vibration class             | : A                      |
| Rated torque          | : 1.50 ft.lb       | Starting method             | : Direct On Line         |
| Locked rotor torque   | : 300 %            | Approx. weight <sup>3</sup> | : 26.2 lb                |
| Pull up torque        | : 255 %            | Color                       | : PRIMER ONLY            |
| Breakdown torque      | : 270 %            | Design                      | : N                      |
| Insulation class      | : F                |                             |                          |
| Service factor        | : 1.25             |                             |                          |
| Moment of inertia (J) | : 0.0522 sq.ft.lb  |                             |                          |

|                      |                  |               |      |
|----------------------|------------------|---------------|------|
| Output               | 50%              | 75%           | 100% |
| Efficiency (%)       | 65.0             | 73.0          | 76.2 |
| Power Factor         | 0.72             | 0.81          | 0.87 |
|                      | Drive end        | Non drive end |      |
| Bearing type         | 6203-ZZ          | 6202-ZZ       |      |
| Lubrication interval | -                | -             |      |
| Lubricant amount     | -                | -             |      |
| Lubricant type       | MOBIL POLYREX EM |               |      |

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

|                  |     |
|------------------|-----|
| 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          |  |      | 1849014682 |      |
| Checked by   | AUTOMATICO      |  |      | Page       | Rev. |
| Date         | 15/05/2026      |  |      | 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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