# DATA SHEET
## Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : V.J. PAMENSKY CANADA INC. |
| Product line | : W01 - TEFC - Premium Efficiency (DOE) Derating Product code : 19262804 |

| | | | |
|---|---|---|---|
| Frame | : W56 | Cooling method | : IC411 - TEFC |
| Insulation class | : F | Mounting | : F-1/B3R(D) |
| Duty cycle | : S1 | Rotation¹ | : Both |
| Ambient temperature | : -20 °C to +40 °C | Starting method | : Direct On Line |
| Altitude | : 3280 ft | Approx. weight³ | : 14.6 lb |
| Protection degree | : IP55 | Moment of inertia (J) | : 0.0285 sq.ft.lb |

| | | | | |
|---|---|---|---|---|
| Output | | 0.25 HP (0.18 kW) | 0.25 HP (0.18 kW) | 0.25 HP (0.18 kW) |
| Poles | | 4 | 4 | 4 |
| Frequency | | 60 Hz | 50 Hz | 50 Hz |
| Rated voltage | | 208-230/460 V | 190/380 V | 220/415 V |
| Rated current | | 1.06-0.936/0.468 A | 1.04/0.522 A | 0.983/0.521 A |
| L. R. Amperes | | 5.96-5.24/2.62 A | 4.70/2.35 A | 4.82/2.55 A |
| LRC | | 5.6 | 4.5 | 4.9 |
| No load current | | 0.650-0.754/0.377 A | 0.738/0.369 A | 0.813/0.431 A |
| Rated speed | | 1740 rpm | 1415 rpm | 1425 rpm |
| Slip | | 3.33 % | 5.67 % | 5.00 % |
| Rated torque | | 0.745 ft.lb | 0.919 ft.lb | 0.911 ft.lb |
| Locked rotor torque | | 240 % | 180 % | 220 % |
| Pull up torque | | 200 % | 150 % | 185 % |
| Breakdown torque | | 320 % | 220 % | 270 % |
| Service factor | | 1.15 | 1.15 | 1.15 |
| Temperature rise | | 80 K | 80 K | 80 K |
| Noise level² | | 50.0 dB(A) | 49.0 dB(A) | 49.0 dB(A) |
| Locked rotor time (hot) | | 28 s | 26 s | 22 s |
| Locked rotor time (cold) | | 50 s | 47 s | 40 s |
| Efficiency (%) | 50% | 59.5 | 60.3 | 56.2 |
| | 75% | 66.0 | 65.9 | 63.6 |
| | 100% | 70.0 | 67.2 | 66.7 |
| Power Factor | 50% | 0.48 | 0.56 | 0.50 |
| | 75% | 0.60 | 0.69 | 0.62 |
| | 100% | 0.69 | 0.78 | 0.72 |

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6203-ZZ | 6202-ZZ |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| Lubricant type | MOBIL POLYREX EM | |

| Foundation loads | |
|---|---|
| Max. traction | : 74 N |
| Max. compression | : 139 N |
| Load type | : - |
| Load torque | : - |
| Load inertia (J=GD²/4) | : - |

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 |
|---|---|---|---|---|
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|---|---|---|---|---|
| Performed by | farazq | | 1854492705 | |
| Checked by | AUTOMATICO | | Page | Rev. |
| Date | 29/05/2026 | | 1 / 2 | 0 |

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Product line : W01 - TEFC - Premium Efficiency (DOE) Derating Product code : 19262804

| 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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