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

| | |
|---|---|
| Customer | : V.J. PAMENSKY CANADA INC. |
| Product line | : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J |
| Product code | : 19169471 |

| | | | |
|---|---|---|---|
| Frame | : 56J | Locked rotor time | : 15 s (hot) 27 s (cold) |
| Output | : 1 HP (0.75 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 | : 8.42/4.95-4.21 A | Protection degree | : IP55 |
| L. R. Amperes | : 69.9/41.1-34.9 A | Cooling method | : IC411 - TEFC |
| LRC | : 8.3 | Mounting | : F-1/B34R(D) |
| No load current | : 2.00/0.862-1.00 A | Rotation[1] | : Counter clockwise |
| Rated speed | : 3505 rpm | Noise level[2] | : 68.0 dB(A) |
| Slip | : 2.64 % | Vibration class | : A |
| Rated torque | : 1.48 ft.lb | Starting method | : Direct On Line |
| Locked rotor torque | : 270 % | Approx. weight[3] | : 32.0 lb |
| Pull up torque | : 230 % | Painting plan | : 207N |
| Breakdown torque | : 290 % | Color | : MUNSELL N 1 - MATTE |
| Insulation class | : F | Design | : N |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0593 sq.ft.lb | | |

| Output | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency (%) | 64.0 | 72.0 | 78.5 |
| Power Factor | 0.95 | 0.94 | 0.95 |

| | |
|---|---|
| Load type | : - |
| Load torque | : - |
| Load inertia (J=GD²/4) | : - |

| | 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 | | 1866250790 | |
| 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 | | |

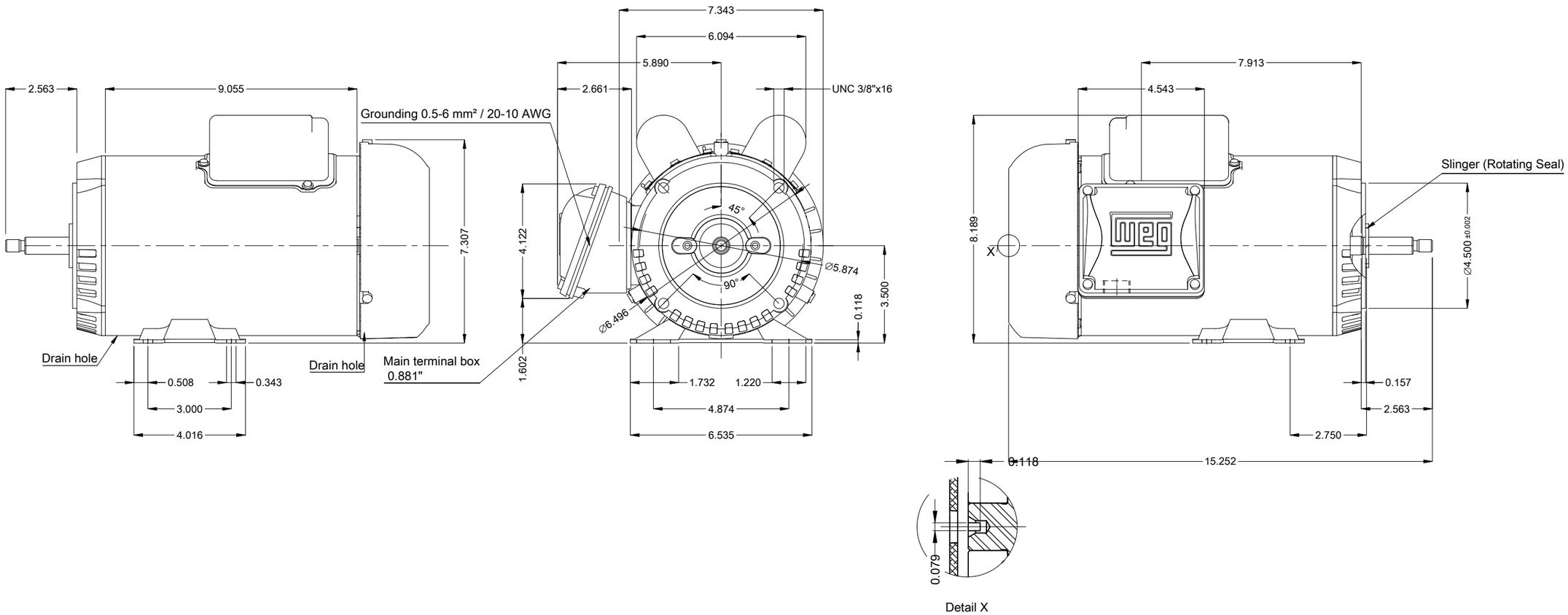
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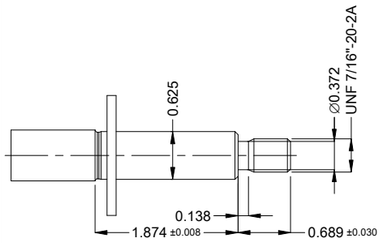
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| |
|---|
| Reinforce the foot with 2 mig welding spots |
| Shaft material - stainless steel AISI 304 |
| Fan cover - steel plate |
| Color Munsell N 1 matte black |
| Painting plan 207N |
| Mounting MARKET F-1/B34R(D) |
| Mounting B34D |

1 HP 02 Poles 60 Hz | A

Scale 1 : 4

| ECM | LOC | SUMMARY OF MODIFICATIONS | EXECUTED | CHECKED | RELEASED | DATE | VER |
|---|---|---|---|---|---|---|---|
| | | | HYBRISUSER | | | | 00 |

| | |
|---|---|
| EXECUTED | HYBRISUSER |
| CHECKED | |
| RELEASED | |
| REL. DATE | |

SINGLE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREM EFF
FRAME 56J IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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