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

| | |
|---|---|
| Customer | : V.J. PAMENSKY CANADA INC. |
| Product line | : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating |
| Product code | : 19176004 |

| | | | |
|---|---|---|---|
| Frame | : W56J | Cooling method | : IC411 - TEFC |
| Insulation class | : F | Mounting | : W-6/V17R(D) |
| Duty cycle | : S1 | Rotation¹ | : Counter clockwise |
| Ambient temperature | : -20 °C to +40 °C | Starting method | : Direct On Line |
| Altitude | : 3280 ft | Approx. weight³ | : 20.5 lb |
| Protection degree | : IP55 | Moment of inertia (J) | : 0.0261 sq.ft.lb |

| | | | | |
|---|---|---|---|---|
| Output | | 1 HP (0.75 kW) | 1 HP (0.75 kW) | 1 HP (0.75 kW) |
| Poles | | 2 | 2 | 2 |
| Frequency | | 60 Hz | 50 Hz | 50 Hz |
| Rated voltage | | 208-230/460 V | 190/380 V | 220/415 V |
| Rated current | | 3.32-3.00/1.50 A | 3.40/1.70 A | 3.11/1.65 A |
| L. R. Amperes | | 29.2-26.4/13.2 A | 22.1/11.1 A | 23.3/12.4 A |
| LRC | | 8.8 | 6.5 | 7.5 |
| No load current | | 1.38-1.60/0.798 A | 1.56/0.781 A | 1.79/0.949 A |
| Rated speed | | 3435 rpm | 2770 rpm | 2815 rpm |
| Slip | | 4.58 % | 7.67 % | 6.17 % |
| Rated torque | | 1.50 ft.lb | 1.87 ft.lb | 1.84 ft.lb |
| Locked rotor torque | | 360 % | 280 % | 330 % |
| Pull up torque | | 305 % | 235 % | 280 % |
| Breakdown torque | | 380 % | 250 % | 310 % |
| Service factor | | 1.15 | 1.15 | 1.15 |
| Temperature rise | | 80 K | 80 K | 80 K |
| Noise level² | | 65.0 dB(A) | 64.0 dB(A) | 64.0 dB(A) |
| Locked rotor time (hot) | | 10 s | 9 s | 8 s |
| Locked rotor time (cold) | | 18 s | 16 s | 14 s |
| Efficiency (%) | 50% | 74.0 | 77.8 | 75.9 |
| | 75% | 77.0 | 79.2 | 78.9 |
| | 100% | 78.5 | 77.8 | 79.0 |
| Power Factor | 50% | 0.63 | 0.70 | 0.61 |
| | 75% | 0.75 | 0.81 | 0.74 |
| | 100% | 0.80 | 0.86 | 0.80 |

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

| Foundation loads | |
|---|---|
| Max. traction | : 205 N |
| Max. compression | : 296 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 |
|---|---|---|---|---|
| | | | | |

| | | | | |
|---|---|---|---|---|
| Performed by | farazq | | 1866995202 | |
| Checked by | AUTOMATICO | | Page | Rev. |
| Date | 29/06/2026 | | 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 | | |

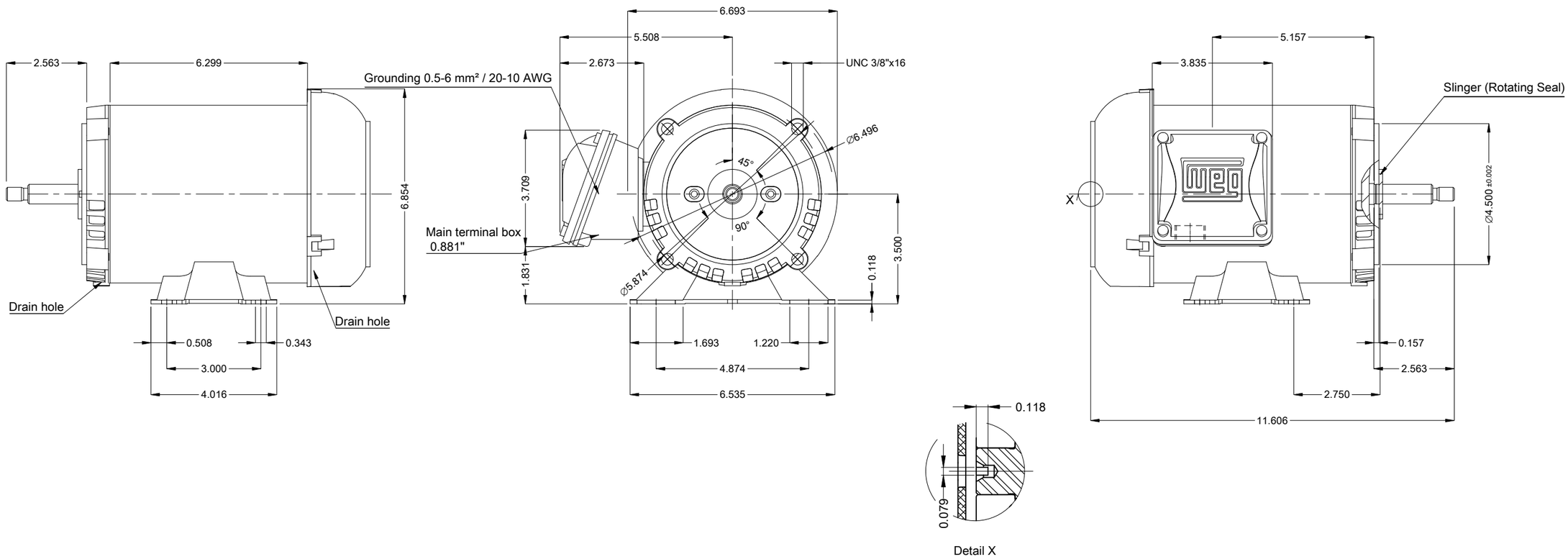
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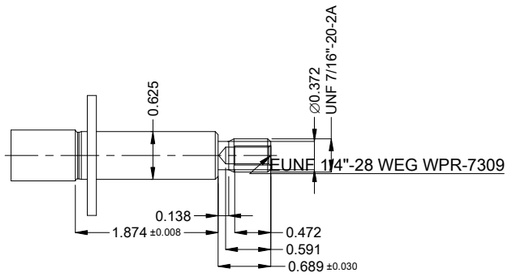
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| |
|---|
| Reinforce the foot with 2 mig welding spots |
| Shaft material - stainless steel AISI 304 |
| NDE sealing - V ring |
| Color Munsell N 1 matte black |
| Painting plan 207N |
| Mounting MARKET W-6/V17R(D) |
| Mounting W-6/V17R(D) |

1 HP 02 Poles 60 Hz | A

Scale 2 : 7

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

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

THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREM EFF
FRAME W56J IP55 TEFC

PREVIEW

WDD | 00

SHEET 1 / 1

Dimensions in inches

A3

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