# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase

Product code : 17114236

| | |
|---|---|
| Frame | : 213LP |
| Output | : 5 HP (3.7 kW) |
| Poles | : 4 |
| Frequency | : 60 Hz |
| Rated voltage | : 575 V |
| Rated current | : 5.19 A |
| L. R. Amperes | : 34.3 A |
| LRC | : 6.6x(Code H) |
| No load current | : 2.31 A |
| Rated speed | : 1765 rpm |
| Slip | : 1.94 % |
| Rated torque | : 2.06 kgfm |
| Locked rotor torque | : 210 % |
| Breakdown torque | : 280 % |
| Insulation class | : F |
| Service factor | : 1.25 |
| Moment of inertia (J) | : 0.0413 kgm² |
| Design | : B |

| | |
|---|---|
| Locked rotor time | : 64s (cold) 36s (hot) |
| Temperature rise | : 80 K |
| Duty cycle | : Cont.(S1) |
| Ambient temperature | : -20°C to +40°C |
| Altitude | : 1000 m.a.s.l. |
| Protection degree | : IP55 |
| Cooling method | : IC411 - TEFC |
| Mounting | : W-6 |
| Rotation[1] | : Both (CW and CCW) |
| Noise level[2] | : 58.0 dB(A) |
| Starting method | : Direct On Line |
| Approx. weight[3] | : 93.0 kg |

| Output | 25% | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | 0.000 | 89.5 | 89.5 | 89.5 |
| Power Factor | 0.00 | 0.63 | 0.75 | 0.80 |

Foundation loads

| | |
|---|---|
| Max. traction | : 0 kgf |
| Max. compression | : 0 kgf |

Losses at normative operating points (speed;torque), in percentage of rated output power

| P1 (0,9;1,0) | P2 (0,5;1,0) | P3 (0,25;1,0) | P4 (0,9;0,5) | P5 (0,5;0,5) | P6 (0,5;0,25) | P7 (0,25;0,25) |
|---|---|---|---|---|---|---|
| 11.4 | 9.3 | 8.4 | 6.2 | 4.2 | 3.0 | 2.1 |

| | | Drive end | Non drive end |
|---|---|---|---|
| Bearing type | : | 6309 C3 | 7306BECB |
| Sealing | : | Oil Seal | Lip Seal |
| Lubrication interval | : | 14395 h | 16157 h |
| Lubricant amount | : | 13 g | 7 g |
| Lubricant type | : | Mobil Polyrex EM | |

Notes
In Line Extra Thrust
NEMA Premium Efficiency

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 changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |

| | | | | |
|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 20/07/2026 | | 1 / 2 | |

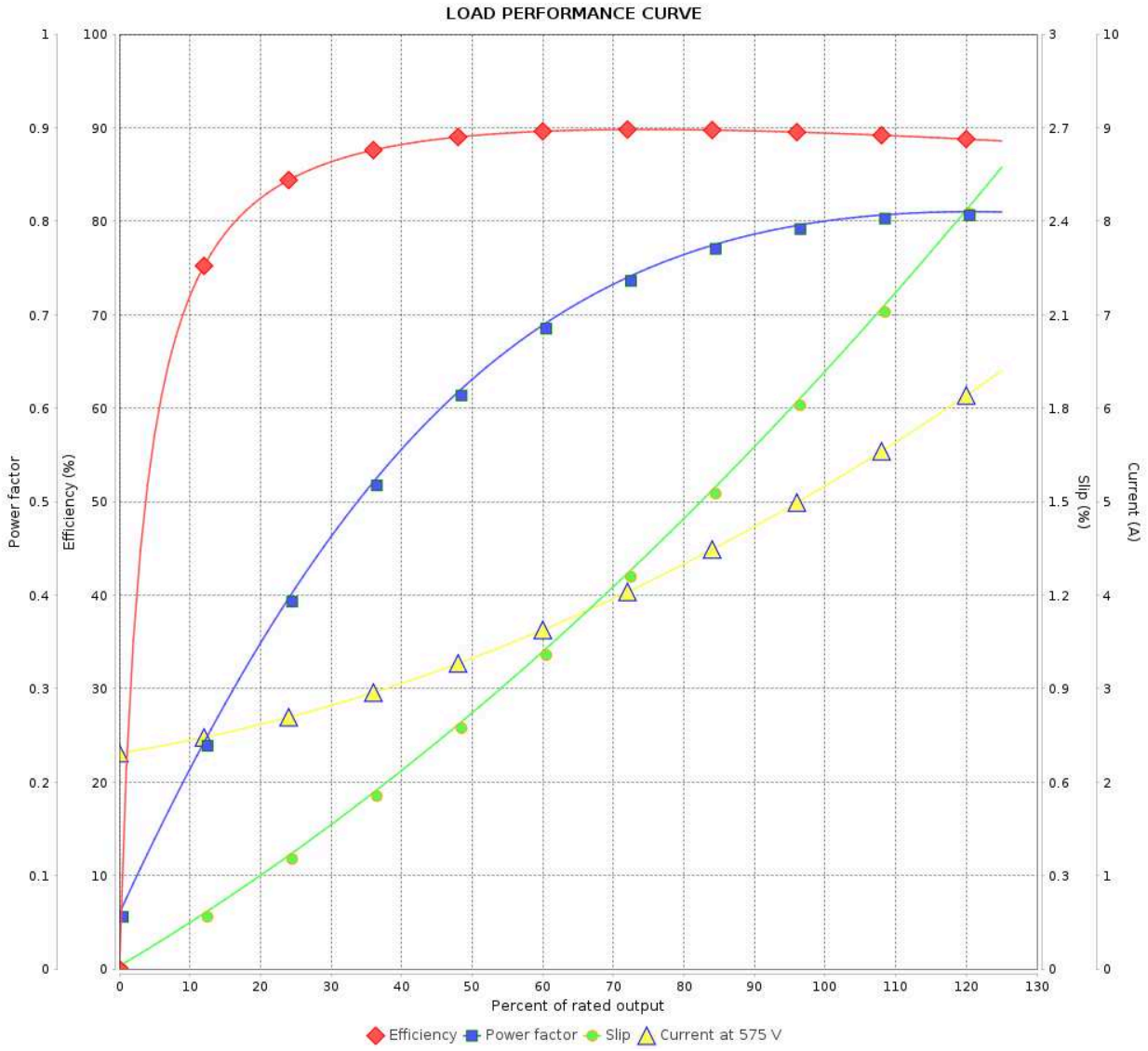
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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |

| | | | |
|---|---|---|---|
| Product line | : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase | Product code : | 17114236 |




| | |
|---|---|
| Performance | : 575 V 60 Hz 4P |

| | | | |
|---|---|---|---|
| Rated current | : 5.19 A | Moment of inertia (J) | : 0.0413 kgm² |
| LRC | : 6.6 | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.06 kgfm | Insulation class | : F |
| Locked rotor torque | : 210 % | Service factor | : 1.25 |
| Breakdown torque | : 280 % | Temperature rise | : 80 K |
| Rated speed | : 1765 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |

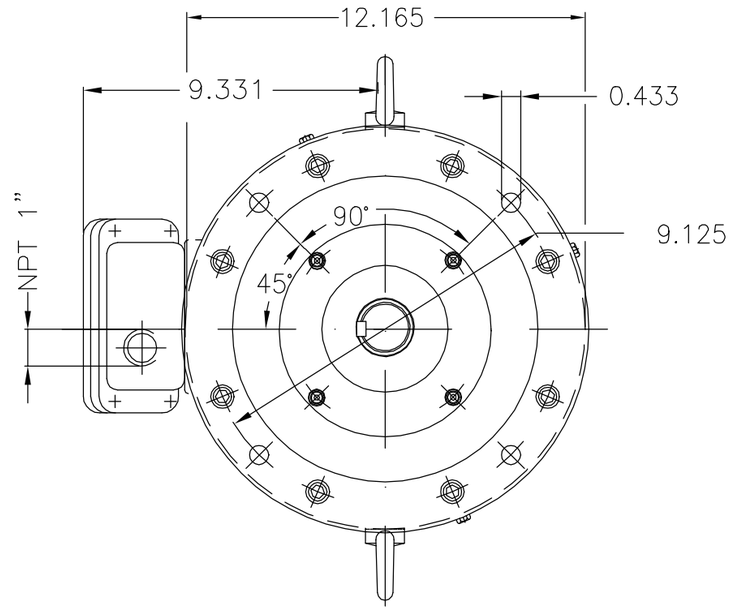
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| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 20/07/2026 | | 2 / 2 | |

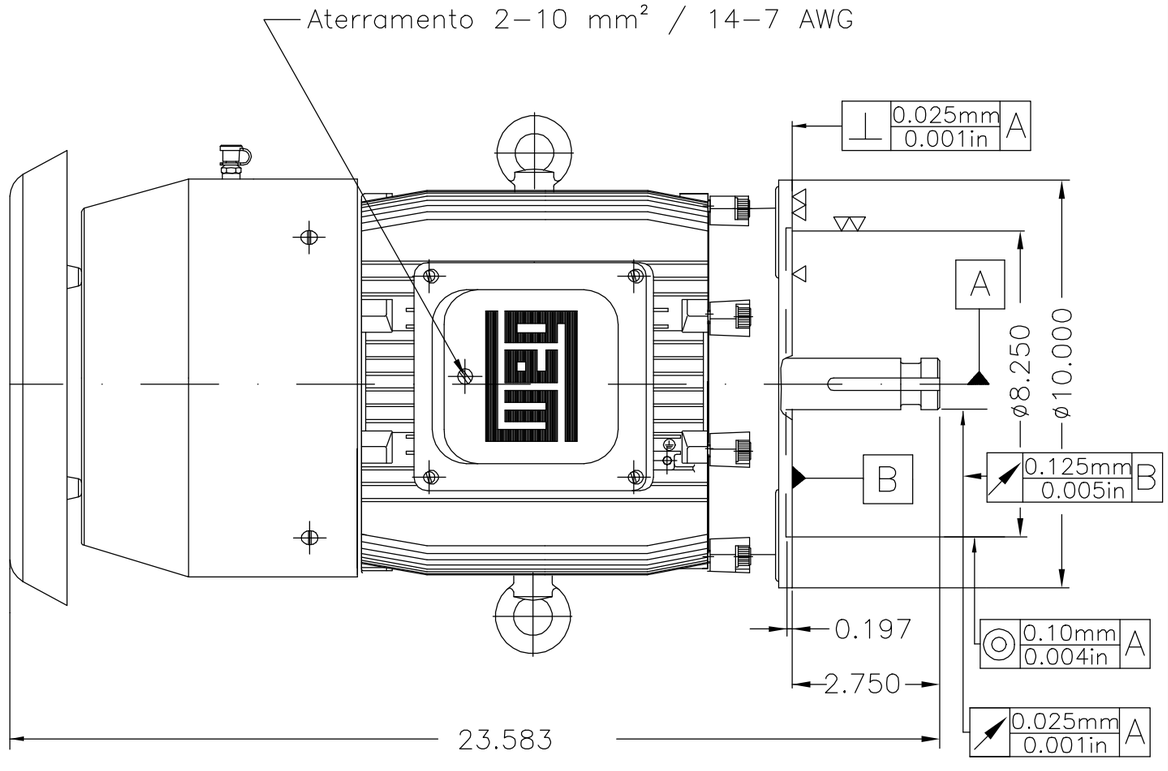
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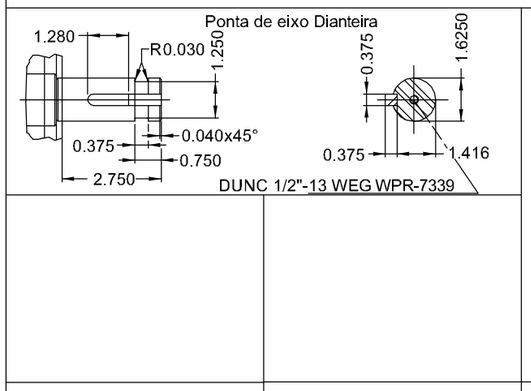
## ATENÇÃO/ATTENTION

MOTOR DEVE SER LIGADO APENAS NA POSIÇÃO VERTICAL

MOTOR MUST BE ENERGIZED ONLY IN THE VERTICAL POSITION




Forma construtiva NEMA W-6

Forma construtiva V1

5 HP 04 Polos 60 Hz | A

V.J. PAMENSKY CANADA INC.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 500002309776 | | INITIAL ISSUE - CLAIM 421765370 | CRISLAINE | CRISLAINE | KITZBERGER | 13.02.2023 | 00 |
| ECM | LOC | RESUMO MODIFICAÇÃO | EXECUTADO | VERIFICADO | LIBERADO | DATA | VER |

| | | | | |
|---|---|---|---|---|
| EXECUTOR | CRISLAINE | MOTOR TRIFÁSICO IN LINE EXTRA THRUST | 10010540104 | |
| VERIFICADOR | CRISLAINE | CARCAÇA 213LP IP55 TEFC | 000 | 00 |
| LIBERADOR | KITZBERGER | | | |
| DATA LB. | 13.02.2023 | WMO Jaragua do Sul Engenharia de Produto | FOLHA | 1 / 1 |

CÓPIA SEM CONTROLE

Dimensões em polegada

LIBERADO

XME A3

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