# DATA SHEET

Single Phase Induction Motor - Squirrel Cage

PRELIMINARY DOCUMENT

Customer :

Product line : MOTOR MONOFÁSICO WJET PUMP CAPACITOR PARTIDA FORMA J
Product code : 11953261

| | |
|---|---|
| Frame | : E56 |
| Output | : 2 HP (1.5 kW) |
| Poles | : 2 |
| Frequency | : 60 Hz |
| Rated voltage | : 115/208-230 V |
| Rated current | : 23.0/11.6-11.5 A |
| L. R. Amperes | : 136/67.8 A |
| LRC | : 5.9 Code J |
| No load current | : 15.0/7.50 A |
| Rated speed | : 3450 rpm |
| Slip | : 4.17 % |
| Rated torque | : 0.421 kgfm |
| Locked rotor torque | : 160 % |
| Pull up torque | : 135 % |
| Breakdown torque | : 220 % |
| Insulation class | : B |
| Service factor | : 1.20 |
| Moment of inertia (J) | : 0.0185 kgm² |

| | |
|---|---|
| Locked rotor time | : 6 s (hot) 11 s (cold) |
| Duty cycle | : S1 |
| Ambient temperature | : -20 °C to +40 °C |
| Altitude | : 1000 m.a.s.l |
| Protection degree | : IP21 |
| Cooling method | : IC01 - ODP |
| Mounting | : B14R(D) |
| Rotation[1] | : Counter clockwise |
| Starting method | : Direct On Line |
| Approx. weight[3] | : 14.9 kg |
| Design | : |

| Output | Start | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | - | 65.0 | 70.0 | 70.0 |
| Power Factor | 0.00 | 0.63 | 0.73 | 0.8 |

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

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

Foundation loads
Max. traction : -
Max. compression : -

Notes:

Standards

| | | | |
|---|---|---|---|
| Specification | : MG1 - Part 10 | Vibration | : |
| Test | : MG1 - Part 12 | Tolerance | : MG1 - Part 12 |
| Noise | : MG1 - Part 9 | | |

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 +0dB(A).
(3) Approximate weight, subject to be changed 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 1-12.

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/10/21 |

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| Date | 2026/10/21 | | 1/2 | 0 |

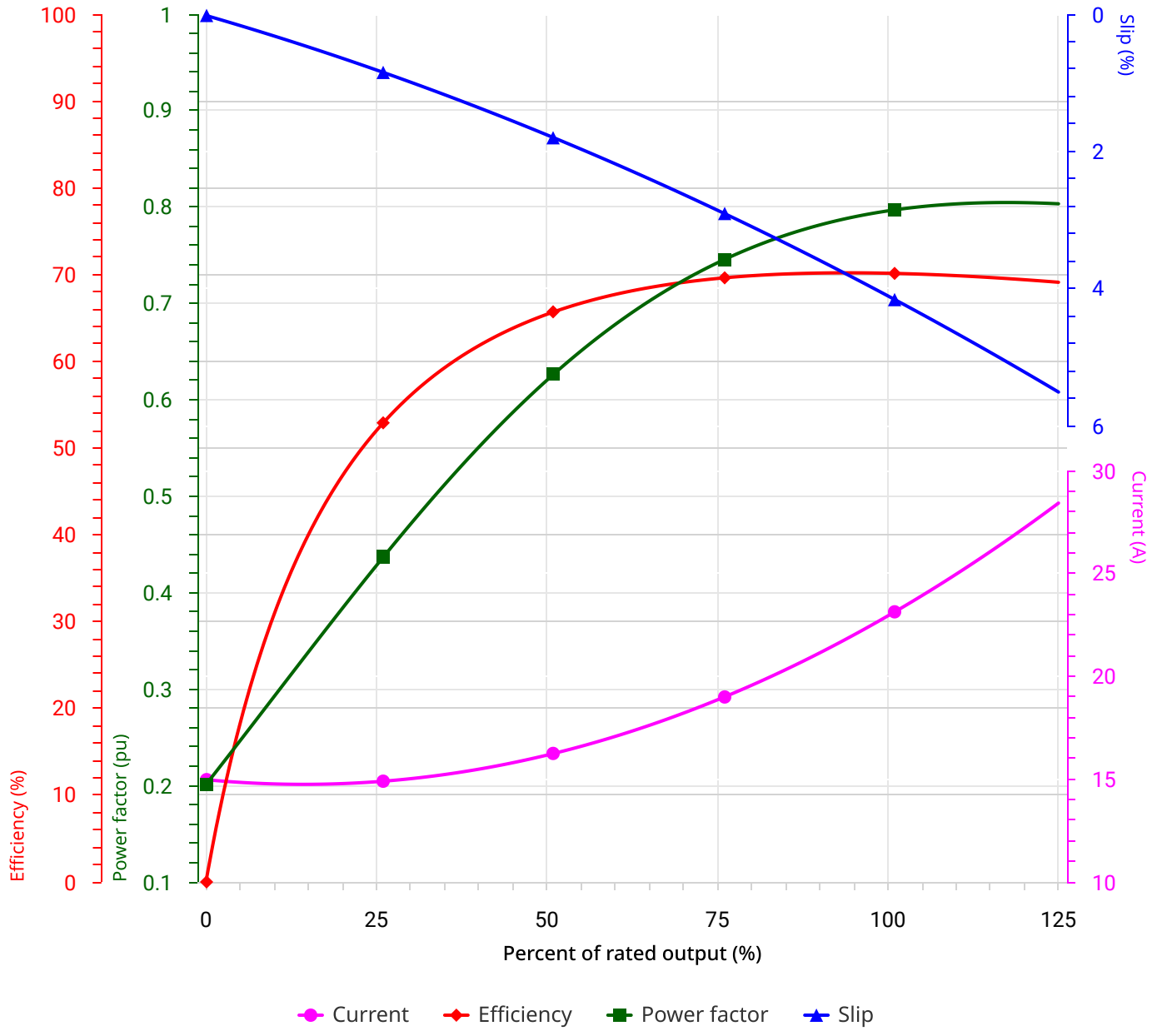
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## LOAD PERFORMANCE CURVE

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| | |
|---|---|
| Customer | : |
| Product line | : MOTOR MONOFÁSICO WJET PUMP CAPACITOR PARTIDA FORMA J |
| Product code | : 11953261 |




| | |
|---|---|
| Performance | : 2 HP (1.5 kW) 115/208/230V 60Hz 2P E56 |

| | | | |
|---|---|---|---|
| Rated current | : 23.0/11.6/11.5 A | Moment of inertia (J) | : 0.0185 kgm² |
| LRC | : 5.9 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.421 kgfm | Insulation class | : B |
| Locked rotor torque | : 160 % | Service factor | : 1.20 |
| Breakdown torque | : 220 % | Temperature rise | : 80 K |
| Rated speed | : 3450 rpm | | |

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