# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage

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

| | |
|---|---|
| Product line | : General Purpose Motors - NEMA 56 - TEFC (IP55) |
| Product code | : 10083691 |

| | | | |
|---|---|---|---|
| Frame | : B56 | Locked rotor time | : 6 s (hot) 11 s (cold) |
| Output | : 0.33 HP (0.25 kW) | Duty cycle | : S1 |
| Poles | : 4 | Ambient temperature | : -20 °C to +40 °C |
| Frequency | : 60 Hz | Altitude | : 1000 m.a.s.l |
| Rated voltage | : 115/208-230 V | Protection degree | : IP55 |
| Rated current | : 5.60/2.70-2.80 A | Cooling method | : IC411 - TEFC |
| L. R. Amperes | : 32.5/16.2 A | Mounting | : B3R(D) |
| LRC | : 5.8 Code N | Rotation[1] | : Both |
| No load current | : 4.60/2.30 A | Noise level[2] | : 55 dB(A) |
| Rated speed | : 1750 rpm | Starting method | : Direct On Line |
| Slip | : 2.78 % | Approx. weight[3] | : 9.9 kg |
| Rated torque | : 0.137 kgfm | Design | : |
| Locked rotor torque | : 340 % | | |
| Pull up torque | : 285 % | | |
| Breakdown torque | : 280 % | | |
| Insulation class | : B | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0026 kgm² | | |

| Output | Start | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | - | 49.0 | 58.0 | 61.0 |
| Power Factor | 0.00 | 0.44 | 0.53 | 0.62 |

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

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6203-ZZ | 6202-ZZ |
| 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 |
|---|---|---|---|---|
| | | | | 2026/10/28 |

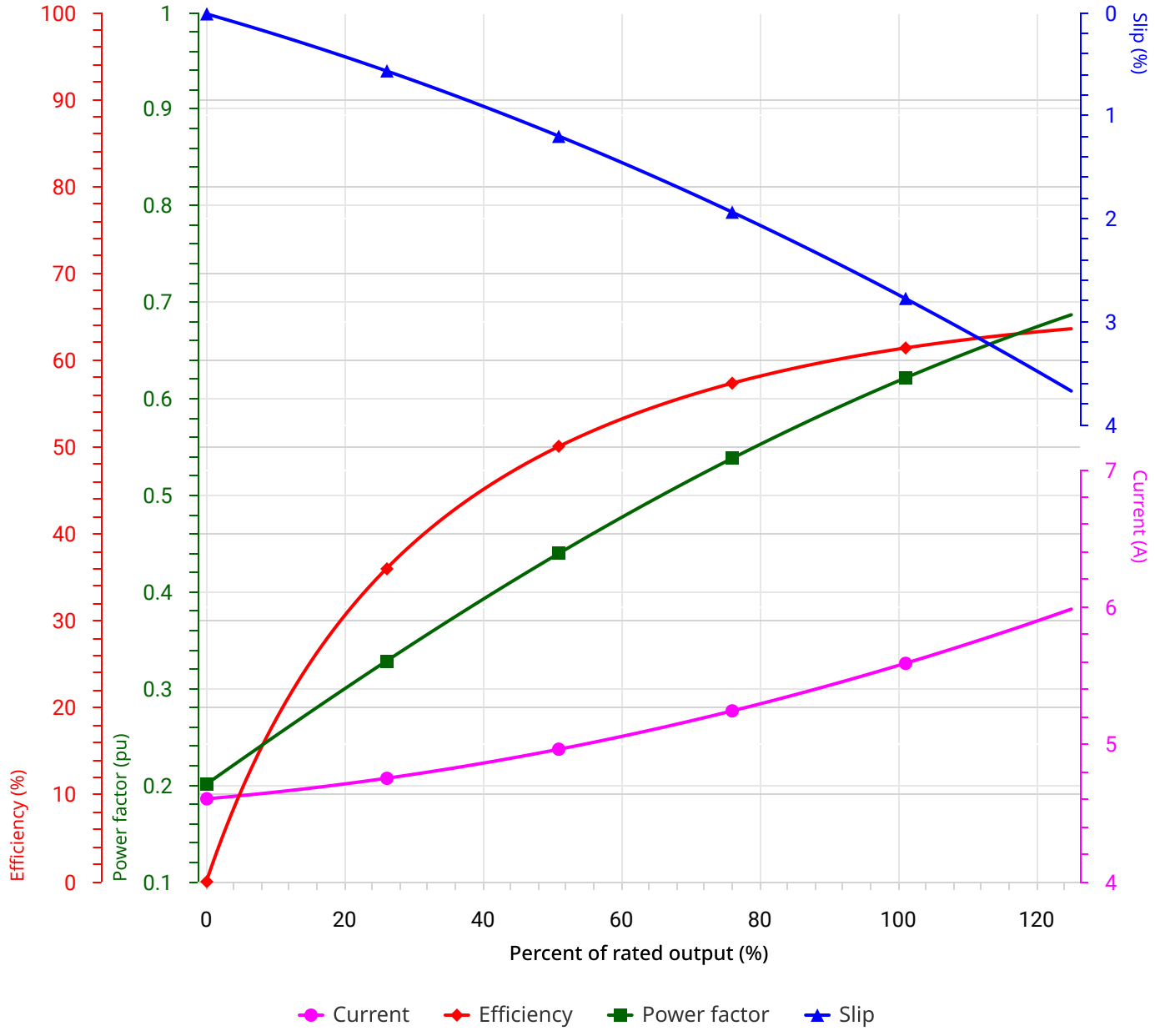
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## LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : General Purpose Motors - NEMA 56 - TEFC (IP55) |
| Product code | : 10083691 |




| | |
|---|---|
| Performance | : 0.33 HP (0.25 kW) 115/208/230V 60Hz 4P B56 |

| | | | |
|---|---|---|---|
| Rated current | : 5.60/2.70/2.80 A | Moment of inertia (J) | : 0.0026 kgm² |
| LRC | : 5.8 Code N | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.137 kgfm | Insulation class | : B |
| Locked rotor torque | : 340 % | Service factor | : 1.15 |
| Breakdown torque | : 280 % | Temperature rise | : 80 K |
| Rated speed | : 1750 rpm | | |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/10/28 |

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