# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J
Product code : 17997726

| | |
|---|---|
| Frame | : 56J |
| Output | : 3 HP (2.2 kW) |
| Poles | : 2 |
| Frequency | : 60 Hz |
| Rated voltage | : 208-230 V |
| Rated current | : 13.0-12.2 A |
| L. R. Amperes | : 100 A |
| LRC | : 8.2 Code J |
| No load current | : 3.90 A |
| Rated speed | : 3500 rpm |
| Slip | : 2.78 % |
| Rated torque | : 0.622 kgfm |
| Locked rotor torque | : 220 % |
| Pull up torque | : 185 % |
| Breakdown torque | : 280 % |
| Insulation class | : F |
| Service factor | : 1.15 |
| Moment of inertia (J) | : 0.004 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 | : F-1/B14R(D) |
| Rotation[1] | : Counter clockwise |
| Noise level[2] | : 58 dB(A) |
| Starting method | : Direct On Line |
| Approx. weight[3] | : 19.2 kg |
| Design | : L |

| Output | Start | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | - | 76.0 | 81.0 | 84.1 |
| Power Factor | 0.81 | 0.87 | 0.92 | 0.93 |

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

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6203-2RS | 6202-2RS |
| 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 |
|---|---|---|---|---|
| | | | | 2026/11/04 |

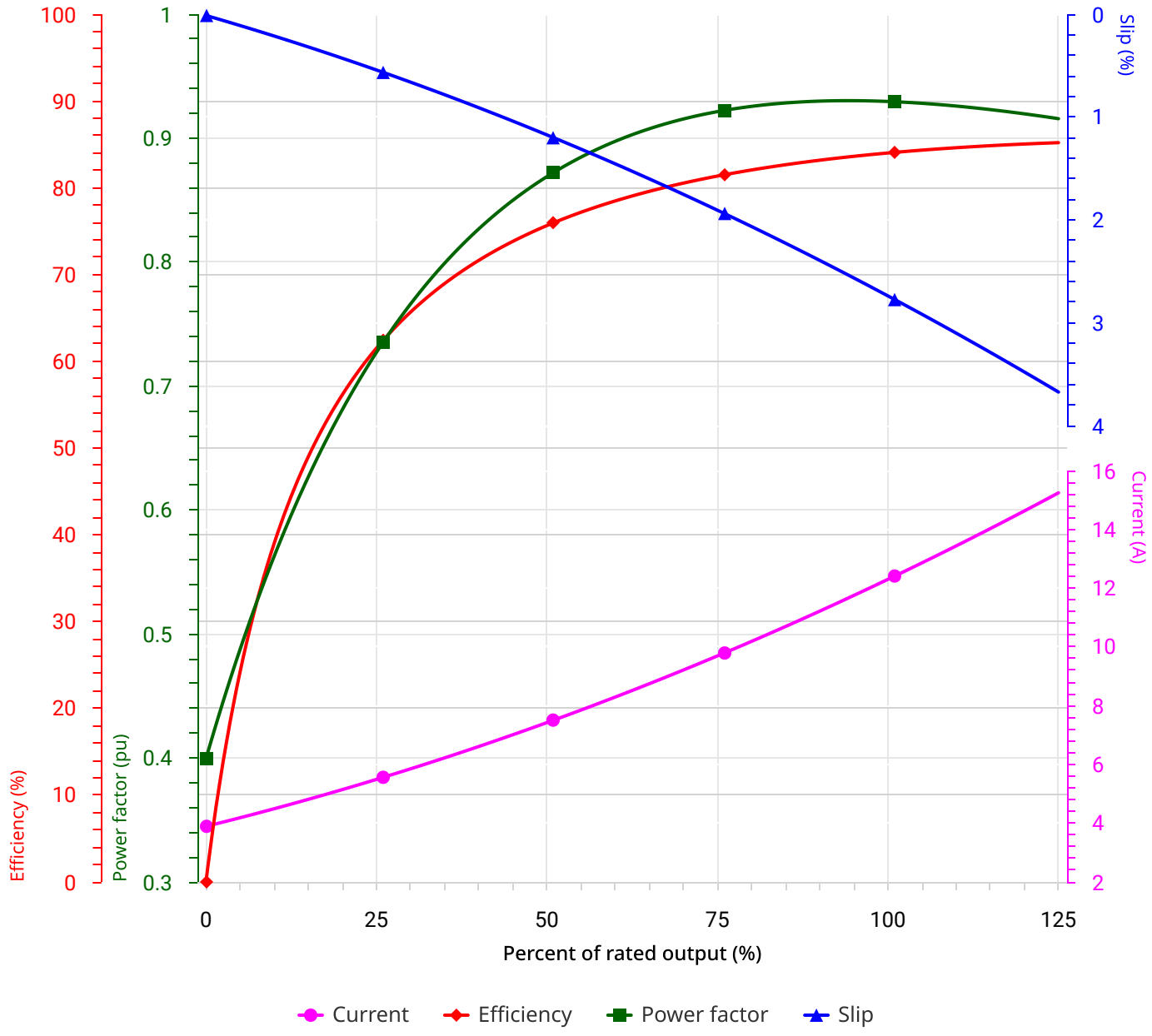
| | | | | |
|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 2026/11/04 | | 1/2 | 0 |

*This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.*

## LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J |
| Product code | : 17997726 |




| | |
|---|---|
| Performance | : 3 HP (2.2 kW) 208/230V 60Hz 2P 56J |

| | | | |
|---|---|---|---|
| Rated current | : 13.0/12.2 A | Moment of inertia (J) | : 0.004 kgm² |
| LRC | : 8.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.622 kgfm | Insulation class | : F |
| Locked rotor torque | : 220 % | Service factor | : 1.15 |
| Breakdown torque | : 280 % | Temperature rise | : 80 K |
| Rated speed | : 3500 rpm | Design | : L |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/04 |

| | | | | |
|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 2026/11/04 | | 2/2 | 0 |

*This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.*