# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma C
Product code : 14453251

| | |
|---|---|
| Frame | : 56C |
| Output | : 0.75 HP (0.55 kW) |
| Poles | : 2 |
| Frequency | : 60 Hz |
| Rated voltage | : 115/208-230 V |
| Rated current | : 6.80/3.76-3.40 A |
| L. R. Amperes | : 58.5/29.2 A |
| LRC | : 8.6 Code K |
| No load current | : 2.40/1.20 A |
| Rated speed | : 3510 rpm |
| Slip | : 2.50 % |
| Rated torque | : 0.155 kgfm |
| Locked rotor torque | : 300 % |
| Pull up torque | : 255 % |
| Breakdown torque | : 300 % |
| Insulation class | : F |
| Service factor | : 1.50 |
| Moment of inertia (J) | : 0.0018 kgm² |

| | |
|---|---|
| Locked rotor time | : 18 s (hot) 32 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] | : 11.5 kg |
| Design | : N |

| Output | Start | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | - | 64.0 | 71.0 | 76.2 |
| Power Factor | 0.86 | 0.88 | 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 |
|---|---|---|---|---|
| | | | | 2026/11/14 |

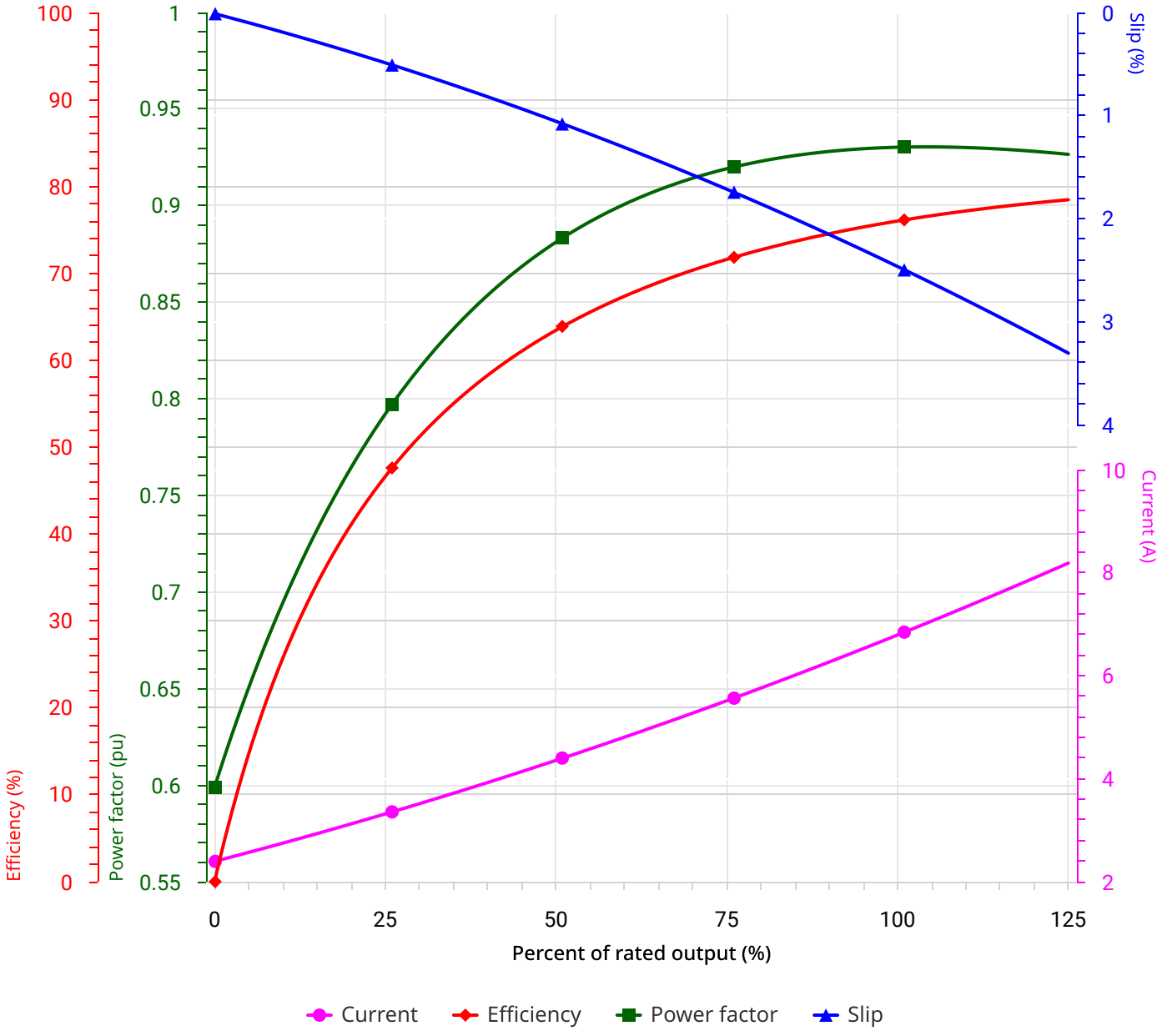
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## LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma C |
| Product code | : 14453251 |




| | |
|---|---|
| Performance | : 0.75 HP (0.55 kW) 115/208/230V 60Hz 2P 56C |

| | | | |
|---|---|---|---|
| Rated current | : 6.80/3.76/3.40 A | Moment of inertia (J) | : 0.0018 kgm² |
| LRC | : 8.6 Code K | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.155 kgfm | Insulation class | : F |
| Locked rotor torque | : 300 % | Service factor | : 1.50 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 3510 rpm | Design | : N |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/14 |

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