# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

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

| | |
|---|---|
| Product line | : W22 - Nema Premium Efficiency |
| Product code | : 11165765 |

| | | | |
|---|---|---|---|
| Frame | : 586/7T | Locked rotor time | : 29 s (hot) 52 s (cold) |
| Output | : 350 HP (260 kW) | Temperature rise[4] | : 80 K |
| Poles | : 6 | Duty cycle | : S1 |
| Frequency | : 60 Hz | Ambient temperature | : -20 °C to +40 °C |
| Rated voltage | : 575 V | Altitude | : 1000 m.a.s.l |
| Rated current | : 341 A | Protection degree | : IP55 |
| L. R. Amperes | : 2044 A | Cooling method | : IC411 - TEFC |
| LRC | : 6.0 Code G | Mounting | : B3R(D) |
| No load current | : 148 A | Rotation[1] | : Both |
| Rated speed | : 1193 rpm | Noise level[2] | : 77 dB(A) |
| Slip | : 0.58 % | Starting method | : Direct On Line |
| Rated torque | : 213 kgfm | Approx. weight[3] | : 1716 kg |
| Locked rotor torque | : 190 % | Design | : B |
| Pull up torque | : 150 % | | |
| Breakdown torque | : 210 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 13.8 kgm² | | |

| Output | Start | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | - | 95.2 | 95.8 | 95.8 |
| Power Factor | 0.33 | 0.67 | 0.76 | 0.8 |

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

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | NU-322-C3 | 6319-C3 |
| Lubrication interval | 7000 h | 13000 h |
| Lubricant amount | 60 g | 45 g |
| Lubricant type | MOBIL POLYREX EM | |

| Foundation loads | |
|---|---|
| Max. traction | : 2163 kgf |
| Max. compression | : 3879 kgf |

Notes:
The vibration and noise level informed are valid when motor is operating with roller bearings respecting their minimum radial load. Thus, WEG reserves the right to test the motor with ball bearings.

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) |
|---|---|---|---|---|---|---|
| 4.95 | 3.61 | 2.77 | 3.21 | 2.09 | 1.73 | 0.98 |

Standards

| | | | |
|---|---|---|---|
| Specification | : MG1 - Part 10 | Vibration | : MG1 - Part 7 |
| 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 |
|---|---|---|---|---|
| | | | | 2026/11/18 |

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| Checked by | | | Page | Revision |
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
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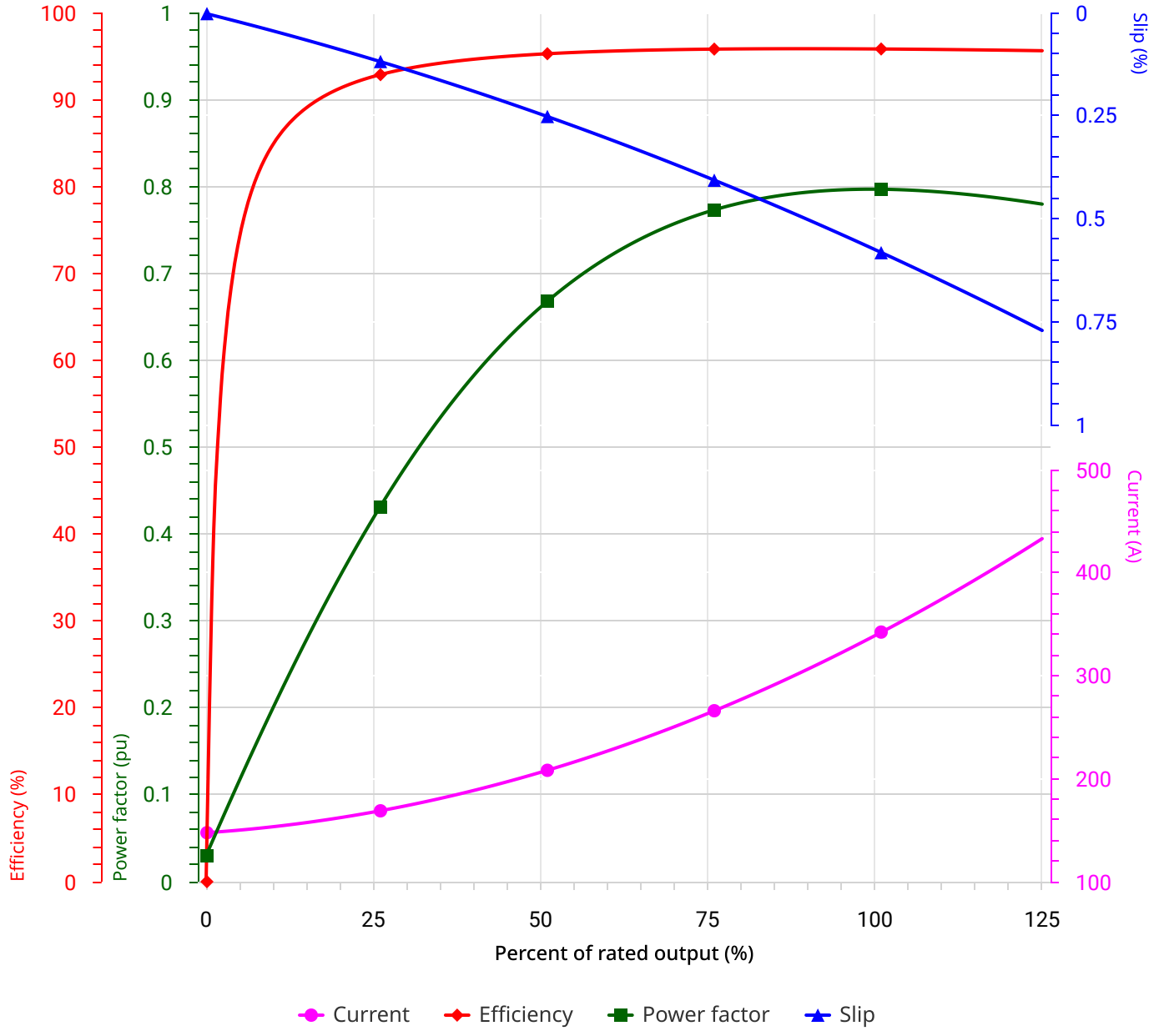
| Product line | : W22 - Nema Premium Efficiency |
| Product code | : 11165765 |




| | |
|---|---|
| Performance | : 350 HP (260 kW) 575V 60Hz 6P 586/7T |

| | | | |
|---|---|---|---|
| Rated current | : 341 A | Moment of inertia (J) | : 13.8 kgm² |
| LRC | : 6.0 Code G | Duty cycle | : Cont.(S1) |
| Rated torque | : 213 kgfm | Insulation class | : F |
| Locked rotor torque | : 190 % | Service factor | : 1.15 |
| Breakdown torque | : 210 % | Temperature rise | : 80 K |
| Rated speed | : 1193 rpm | Design | : B |

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