**DATA SHEET**

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13355284 |

| | | | |
|---|---|---|---|
| Frame | : 182/4JM | Cooling method | : IC01 - ODP |
| Insulation class | : F | Mounting | : W-6/V18R(D) |
| Duty cycle | : S1 | Rotation | : Both |
| Ambient temperature | : -20 °C to +40 °C | Starting method | : Direct On Line |
| Altitude | : 1000 m | Approx. weight | : 40.5 kg |
| Protection degree | : IP21 | Moment of inertia (J) | : 0.0169 kgm² |
| Design | : B | | |

| Output | | 5 HP (3.7 kW) | 4 HP (3 kW) | 4 HP (3 kW) | 4 HP (3 kW) |
|---|---|---|---|---|---|
| Poles | | 4 | 4 | 4 | 4 |
| Frequency | | 60 Hz | 50 Hz | 50 Hz | 50 Hz |
| Rated voltage | | 208-230/460 V | 190/380 V | 220 V | 220/415 V |
| Rated current | | 14.0-12.7/6.33 A | 12.5/6.26 A | 10.8 A | 11.5/6.10 A |
| L. R. Amperes | | 91.2/45.6 A | 90.1/45.1 A | 77.9 A | 95.5/50.6 A |
| LRC | | 7.2 Code J | 7.2 Code J | 7.2 Code J | 8.3 Code L |
| No load current | | 6.29/3.15 A | 6.19/3.10 A | 5.35 A | 6.80/3.61 A |
| Rated speed | | 1760 rpm | 1455 rpm | 1455 rpm | 1465 rpm |
| Slip | | 2.22 % | 3.00 % | 3.00 % | 2.33 % |
| Rated torque | | 2.06 kgfm | 2.00 kgfm | 2.00 kgfm | 1.98 kgfm |
| Locked rotor torque | | 200 % | 180 % | 180 % | 230 % |
| Breakdown torque | | 310 % | 280 % | 280 % | 340 % |
| Service factor | | 1.15 | 1.15 | 1.15 | 1.15 |
| Temperature rise | | 80 K | 80 K | 80 K | 80 K |
| Noise level | | 55 dB(A) | 53 dB(A) | 53.0 dB(A) | 53 dB(A) |
| Locked rotor time | | 12 s (hot) 22 s (cold) | 15 s (hot) 27 s (cold) | 15 s (hot) 27 s (cold) | 13 s (hot) 23 s (cold) |
| Efficiency (%) | 50% | 88.5 | 88.1 | 88.1 | 86.6 |
| | 75% | 88.5 | 88.1 | 88.1 | 87.8 |
| | 100% | 89.5 | 87.7 | 87.7 | 87.7 |
| Power Factor | Start | 0.60 | 0.60 | 0.60 | 0.61 |
| | 50% | 0.63 | 0.63 | 0.63 | 0.55 |
| | 75% | 0.76 | 0.77 | 0.77 | 0.70 |
| | 100% | 0.82 | 0.83 | 0.83 | 0.78 |
| Losses at normative operating points (speed;torque), in percentage of rated output power | | | | | |
| P1 (0,9;1,0) | | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 (0,5;1,0) | | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 (0,25;1,0) | | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 (0,9;0,5) | | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 (0,5;0,5) | | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 (0,5;0,25) | | 0.00 | 0.00 | 0.00 | 0.00 |
| P7 (0,25;0,25) | | 0.00 | 0.00 | 0.00 | 0.00 |

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6207-ZZ | 6205-ZZ |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| Lubricant type | MOBIL POLYREX EM | |

Notes:

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

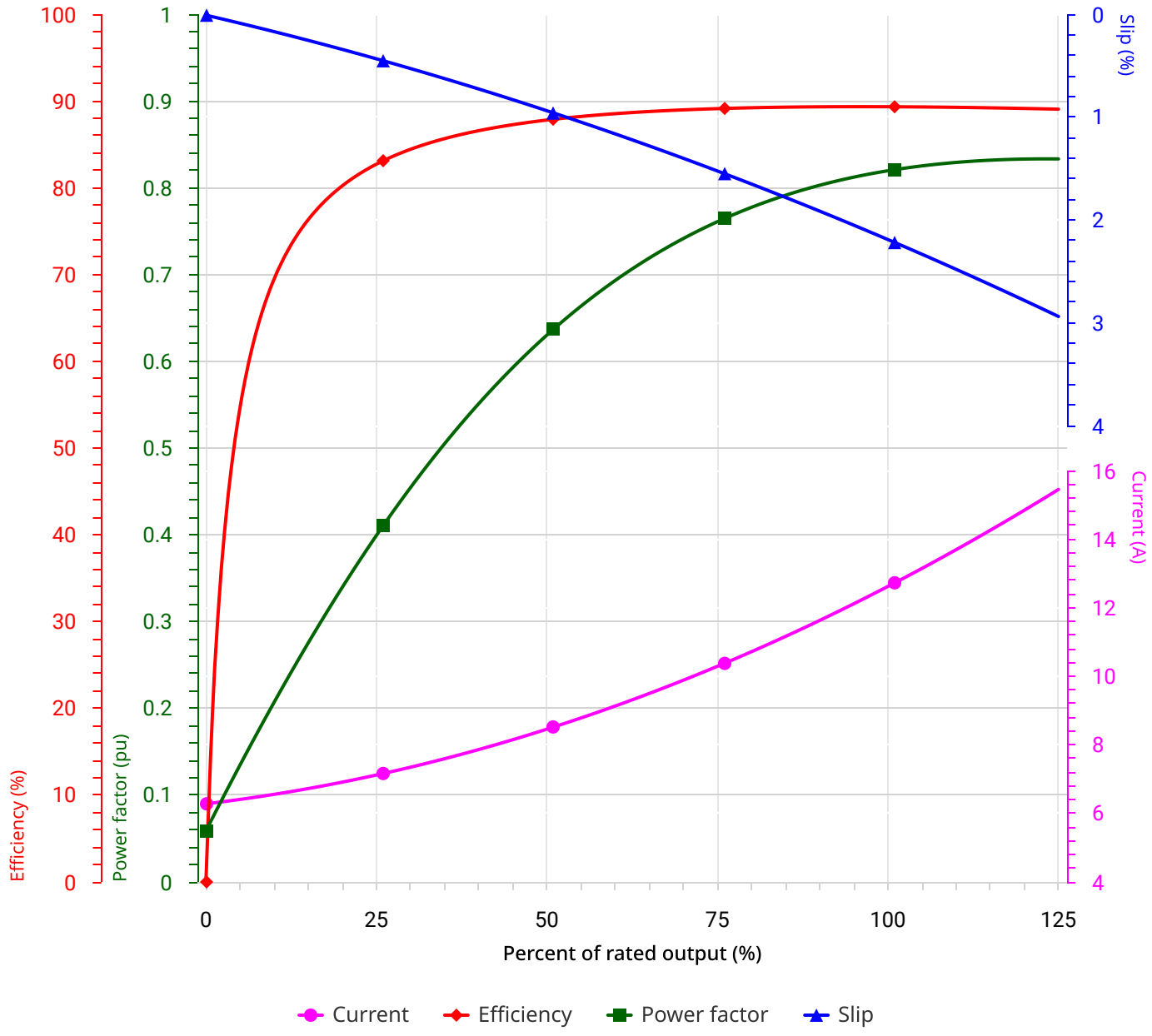
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13355284 |




| | |
|---|---|
| Performance | : 5 HP (3.7 kW) 208/230/460V 60Hz 4P 182/4JM |

| | | | |
|---|---|---|---|
| Rated current | : 14.0/12.7/6.33 A | Moment of inertia (J) | : 0.0169 kgm² |
| LRC | : 7.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.06 kgfm | Insulation class | : F |
| Locked rotor torque | : 200 % | Service factor | : 1.15 |
| Breakdown torque | : 310 % | Temperature rise | : 80 K |
| Rated speed | : 1760 rpm | Design | : B |

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

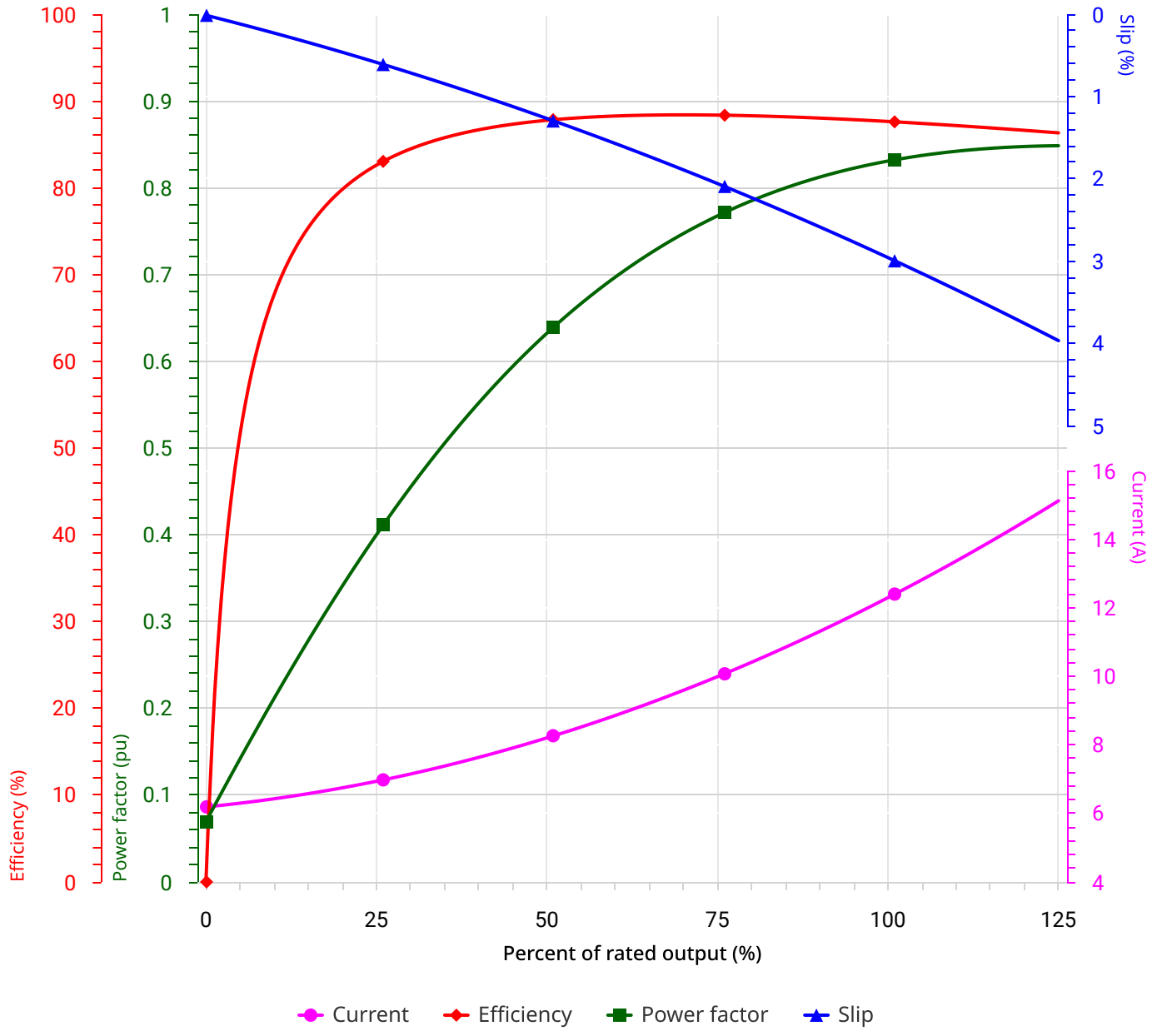
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13355284 |




| | |
|---|---|
| Performance | : 4 HP (3 kW) 190/380V 50Hz 4P 182/4JM |

| | | | |
|---|---|---|---|
| Rated current | : 12.5/6.26 A | Moment of inertia (J) | : 0.0169 kgm² |
| LRC | : 7.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.00 kgfm | Insulation class | : F |
| Locked rotor torque | : 180 % | Service factor | : 1.15 |
| Breakdown torque | : 280 % | Temperature rise | : 80 K |
| Rated speed | : 1455 rpm | Design | : B |

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

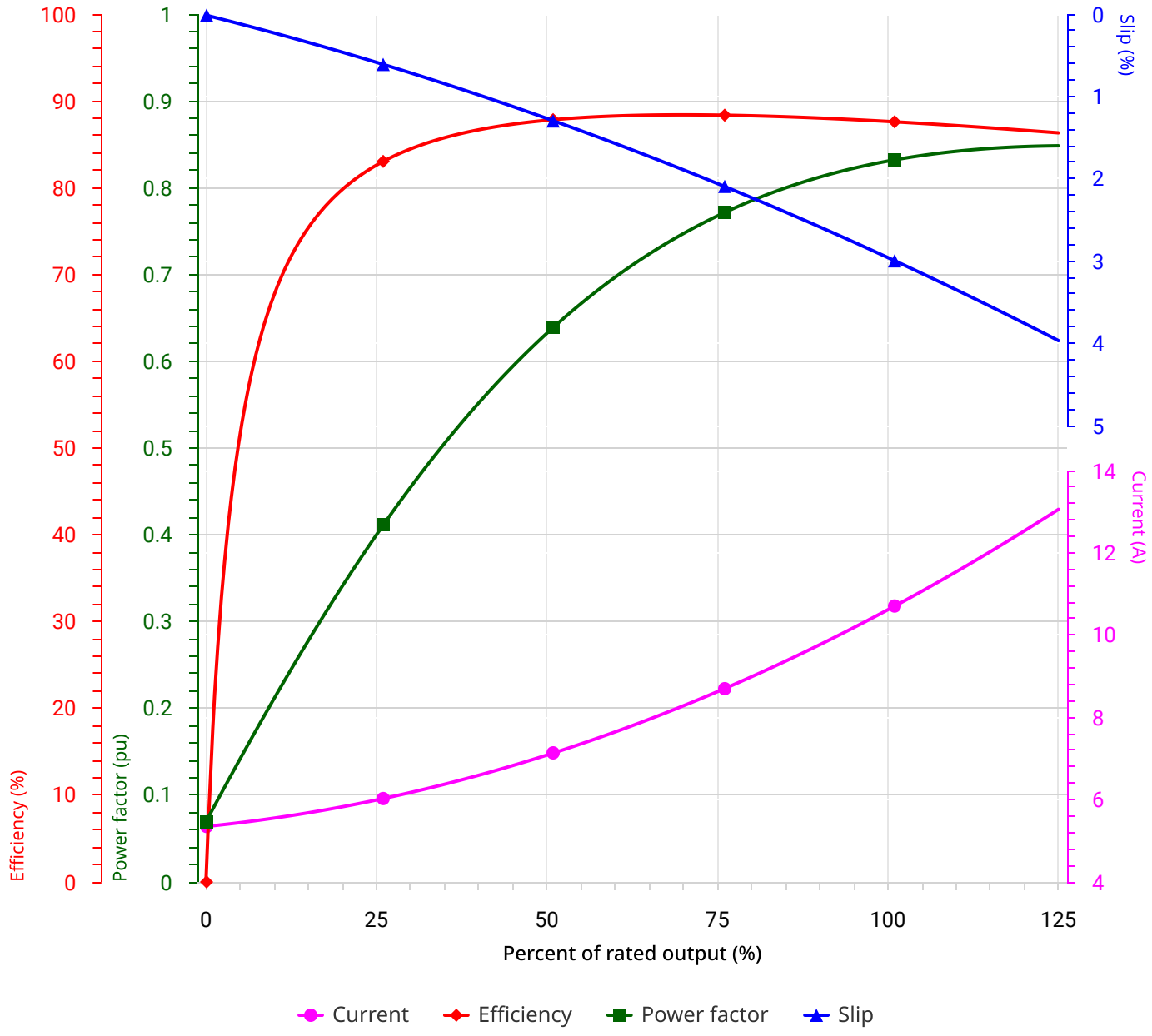
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13355284 |




| | |
|---|---|
| Performance | : 4 HP (3 kW) 220V 50Hz 4P 182/4JM |

| | | | |
|---|---|---|---|
| Rated current | : 10.8 A | Moment of inertia (J) | : 0.0169 kgm² |
| LRC | : 7.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.00 kgfm | Insulation class | : F |
| Locked rotor torque | : 180 % | Service factor | : 1.15 |
| Breakdown torque | : 280 % | Temperature rise | : 80 K |
| Rated speed | : 1455 rpm | Design | : 00002 |

| Rev. | Changes Summary | Performed | Checked | Date |
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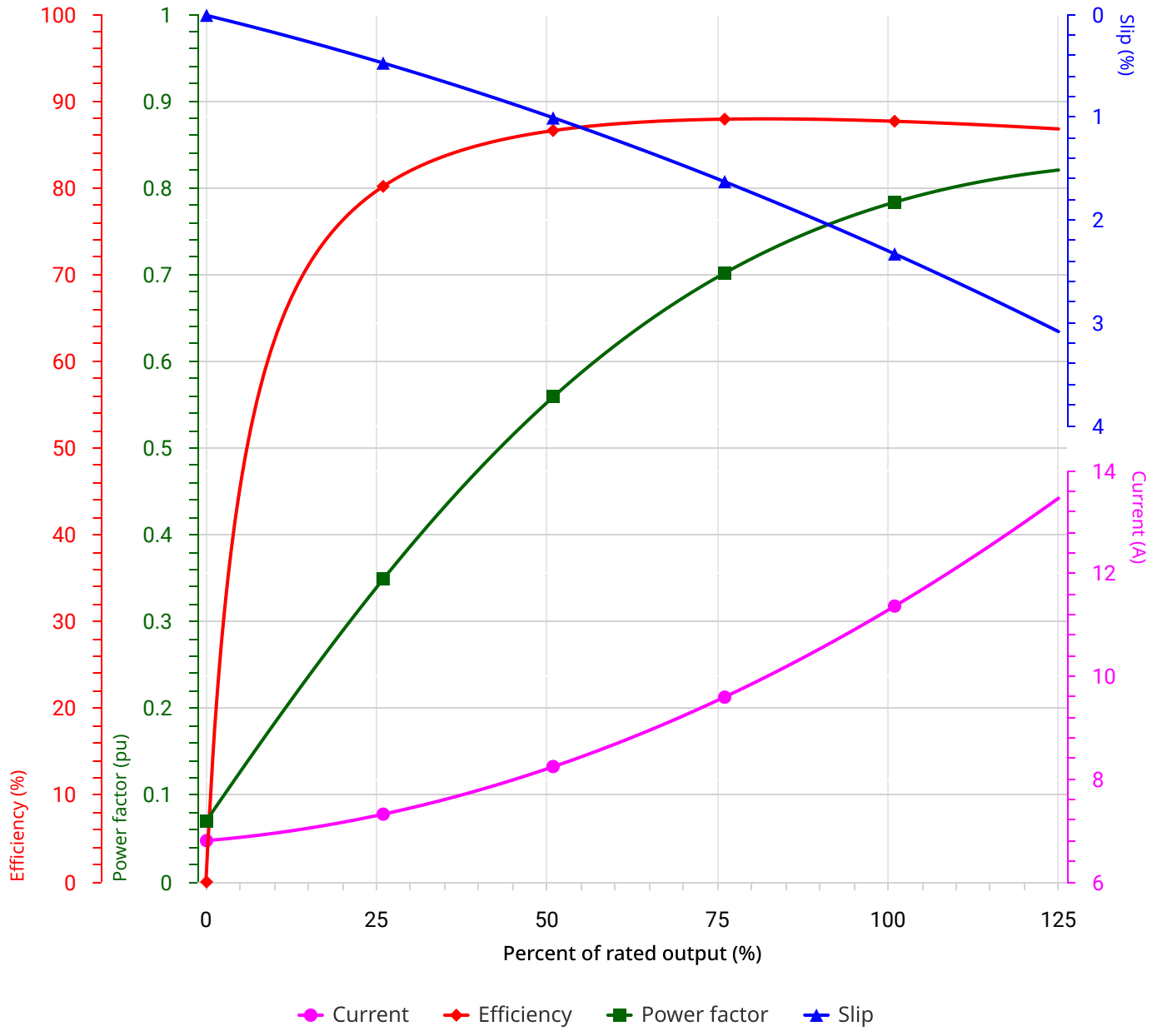
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13355284 |




| | |
|---|---|
| Performance | : 4 HP (3 kW) 220/415V 50Hz 4P 182/4JM |

| | | | |
|---|---|---|---|
| Rated current | : 11.5/6.10 A | Moment of inertia (J) | : 0.0169 kgm² |
| LRC | : 8.3 Code L | Duty cycle | : Cont.(S1) |
| Rated torque | : 1.98 kgfm | Insulation class | : F |
| Locked rotor torque | : 230 % | Service factor | : 1.15 |
| Breakdown torque | : 340 % | Temperature rise | : 80 K |
| Rated speed | : 1465 rpm | Design | : B |

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

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