**DATA SHEET**

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13482592 |

| | | | |
|---|---|---|---|
| Frame | : 143/5JM | 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 | : 18.9 kg |
| Protection degree | : IP21 | Moment of inertia (J) | : 0.0049 kgm² |
| Design | : B | | |

| Output | | 2 HP (1.5 kW) | 1.5 HP (1.1 kW) | 1.5 HP (1.1 kW) | 1.5 HP (1.1 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 | | 5.95-5.38/2.69 A | 4.92/2.46 A | 4.25 A | 4.58/2.43 A |
| L. R. Amperes | | 41.4/20.7 A | 35.4/17.7 A | 30.6 A | 38.0/20.2 A |
| LRC | | 7.7 Code K | 7.2 Code J | 7.2 Code J | 8.3 Code L |
| No load current | | 2.75/1.38 A | 2.70/1.35 A | 2.33 A | 3.08/1.63 A |
| Rated speed | | 1740 rpm | 1435 rpm | 1435 rpm | 1450 rpm |
| Slip | | 3.33 % | 4.33 % | 4.33 % | 3.33 % |
| Rated torque | | 0.834 kgfm | 0.759 kgfm | 1.00 kgfm | 0.751 kgfm |
| Locked rotor torque | | 260 % | 270 % | 270 % | 340 % |
| Breakdown torque | | 320 % | 310 % | 310 % | 380 % |
| Service factor | | 1.15 | 1.00 | 1.00 | 1.00 |
| Temperature rise | | 80 K | 80 K | 80 K | 80 K |
| Noise level | | 52 dB(A) | 49 dB(A) | 49.0 dB(A) | 49 dB(A) |
| Locked rotor time | | 17 s (hot) 31 s (cold) | 0 s (hot) 0 s (cold) | 0 s (hot) 0 s (cold) | 0 s (hot) 0 s (cold) |
| Efficiency (%) | 50% | 85.5 | 85.4 | 85.4 | 83.0 |
| | 75% | 86.5 | 85.9 | 85.9 | 85.0 |
| | 100% | 86.5 | 84.8 | 84.8 | 85.1 |
| Power Factor | Start | 0.59 | 0.64 | 0.64 | 0.66 |
| | 50% | 0.61 | 0.59 | 0.59 | 0.51 |
| | 75% | 0.74 | 0.73 | 0.73 | 0.65 |
| | 100% | 0.81 | 0.8 | 0.8 | 0.74 |
| 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 | 6206-ZZ | 6203-ZZ |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| Lubricant type | MOBIL POLYREX EM | |

Notes:

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/22 |

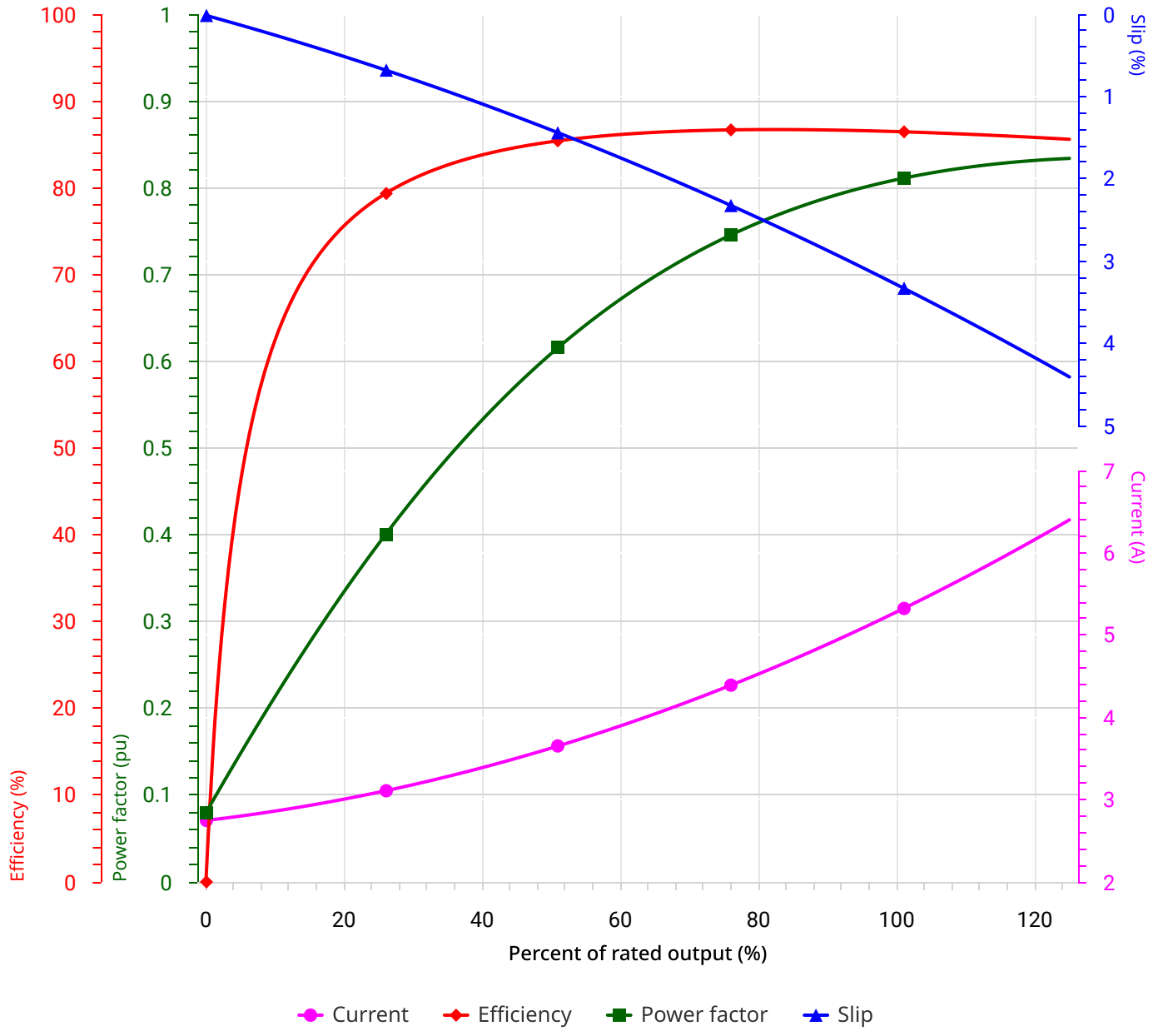
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13482592 |




| | |
|---|---|
| Performance | : 2 HP (1.5 kW) 208/230/460V 60Hz 4P 143/5JM |

| | | | |
|---|---|---|---|
| Rated current | : 5.95/5.38/2.69 A | Moment of inertia (J) | : 0.0049 kgm² |
| LRC | : 7.7 Code K | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.834 kgfm | Insulation class | : F |
| Locked rotor torque | : 260 % | Service factor | : 1.15 |
| Breakdown torque | : 320 % | Temperature rise | : 80 K |
| Rated speed | : 1740 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/22 |

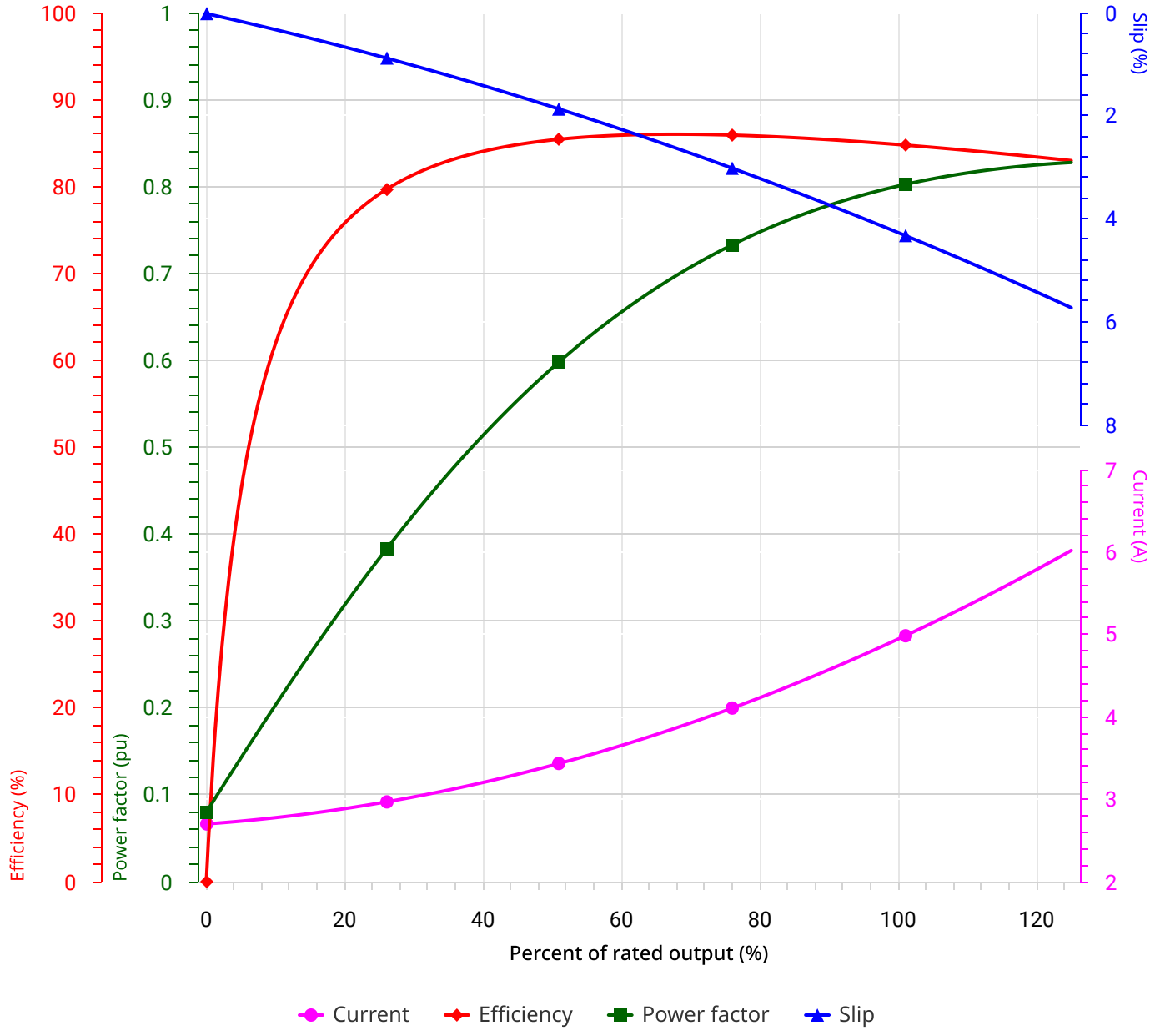
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13482592 |




| | |
|---|---|
| Performance | : 1.5 HP (1.1 kW) 190/380V 50Hz 4P 143/5JM |

| | | | |
|---|---|---|---|
| Rated current | : 4.92/2.46 A | Moment of inertia (J) | : 0.0049 kgm² |
| LRC | : 7.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.759 kgfm | Insulation class | : F |
| Locked rotor torque | : 270 % | Service factor | : 1.00 |
| Breakdown torque | : 310 % | Temperature rise | : 80 K |
| Rated speed | : 1435 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/22 |

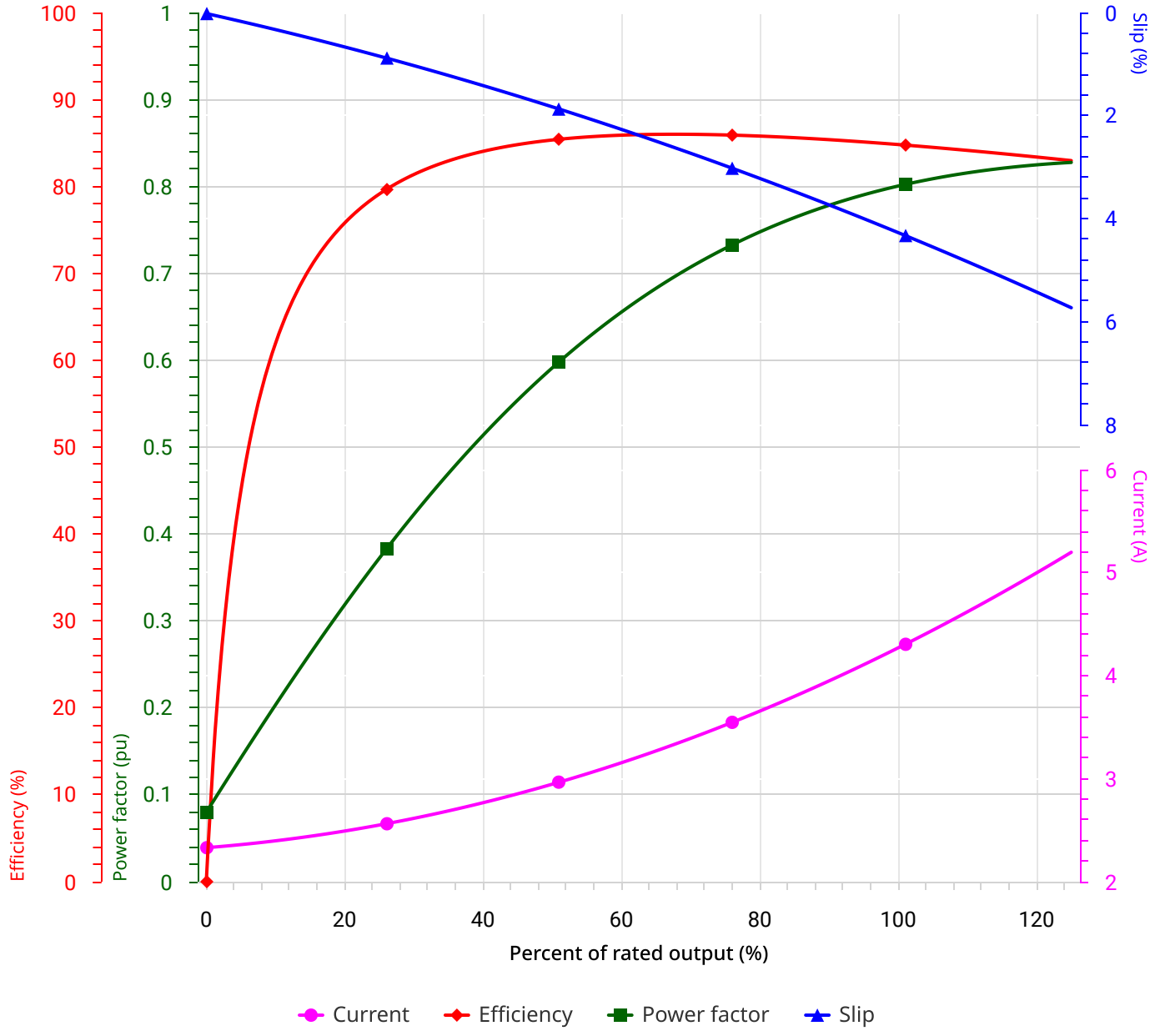
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13482592 |




| | |
|---|---|
| Performance | : 1.5 HP (1.1 kW) 220V 50Hz 4P 143/5JM |

| | | | |
|---|---|---|---|
| Rated current | : 4.25 A | Moment of inertia (J) | : 0.0049 kgm² |
| LRC | : 7.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 1.00 kgfm | Insulation class | : F |
| Locked rotor torque | : 270 % | Service factor | : 1.00 |
| Breakdown torque | : 310 % | Temperature rise | : 80 K |
| Rated speed | : 1435 rpm | Design | : 00002 |

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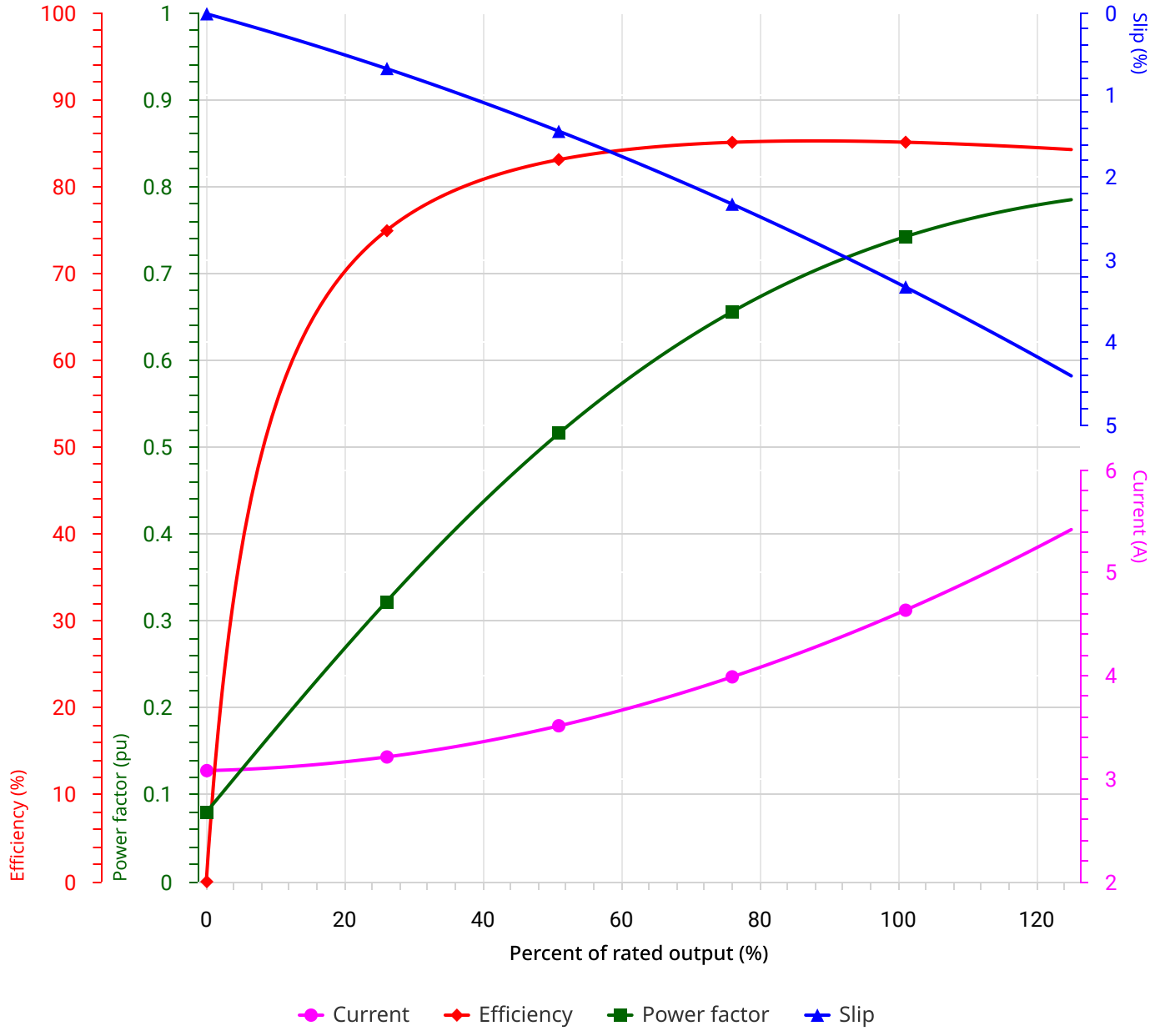
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency JM Derating |
| Product code | : 13482592 |




| | |
|---|---|
| Performance | : 1.5 HP (1.1 kW) 220/415V 50Hz 4P 143/5JM |

| | | | |
|---|---|---|---|
| Rated current | : 4.58/2.43 A | Moment of inertia (J) | : 0.0049 kgm² |
| LRC | : 8.3 Code L | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.751 kgfm | Insulation class | : F |
| Locked rotor torque | : 340 % | Service factor | : 1.00 |
| Breakdown torque | : 380 % | Temperature rise | : 80 K |
| Rated speed | : 1450 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/22 |

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