**DATA SHEET**

Three Phase Induction Motor - Squirrel Cage

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

| | |
|---|---|
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12502805 |

| | | | |
|---|---|---|---|
| Frame | : 254/6T | Cooling method | : IC01 - ODP |
| Insulation class | : F | Mounting | : F-1/B3R(D) |
| Duty cycle | : S1 | Rotation | : Both |
| Ambient temperature | : -20 °C to +40 °C | Starting method | : Direct On Line |
| Altitude | : 1000 m | Approx. weight | : 85.8 kg |
| Protection degree | : IP21 | Moment of inertia (J) | : 0.0767 kgm² |
| Design | : B | | |

| Output | | 15 HP (11 kW) | 10 HP (7.5 kW) | 10 HP (7.5 kW) | 10 HP (7.5 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 | | 41.1-37.2/18.6 A | 32.2/16.1 A | 27.8 A | 30.2/16.0 A |
| L. R. Amperes | | 249/125 A | 232/116 A | 200 A | 238/126 A |
| LRC | | 6.7 Code H | 7.2 Code J | 7.2 Code J | 7.9 Code L |
| No load current | | 19.0/9.50 A | 17.5/8.75 A | 15.1 A | 19.4/10.3 A |
| Rated speed | | 1775 rpm | 1480 rpm | 1480 rpm | 1485 rpm |
| Slip | | 1.39 % | 1.33 % | 1.33 % | 1.00 % |
| Rated torque | | 6.13 kgfm | 4.90 kgfm | 5.00 kgfm | 4.89 kgfm |
| Locked rotor torque | | 240 % | 240 % | 240 % | 300 % |
| Breakdown torque | | 300 % | 340 % | 340 % | 420 % |
| Service factor | | 1.15 | 1.15 | 1.15 | 1.15 |
| Temperature rise | | 80 K | 80 K | 80 K | 80 K |
| Noise level | | 64 dB(A) | 62 dB(A) | 62.0 dB(A) | 62 dB(A) |
| Locked rotor time | | 17 s (hot) 31 s (cold) | 18 s (hot) 32 s (cold) | 18 s (hot) 32 s (cold) | 18 s (hot) 32 s (cold) |
| Efficiency (%) | 50% | 91.7 | 90.3 | 90.3 | 88.7 |
| | 75% | 92.4 | 90.5 | 90.5 | 90.5 |
| | 100% | 93.0 | 90.7 | 90.7 | 90.5 |
| Power Factor | Start | 0.50 | 0.53 | 0.53 | 0.54 |
| | 50% | 0.62 | 0.58 | 0.58 | 0.49 |
| | 75% | 0.73 | 0.71 | 0.71 | 0.63 |
| | 100% | 0.8 | 0.78 | 0.78 | 0.72 |
| 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 | 6309-Z-C3 | 6208-Z-C3 |
| Lubrication interval | 20000 h | 20000 h |
| Lubricant amount | 13 g | 8 g |
| Lubricant type | MOBIL POLYREX EM | |

Notes:

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/13 |

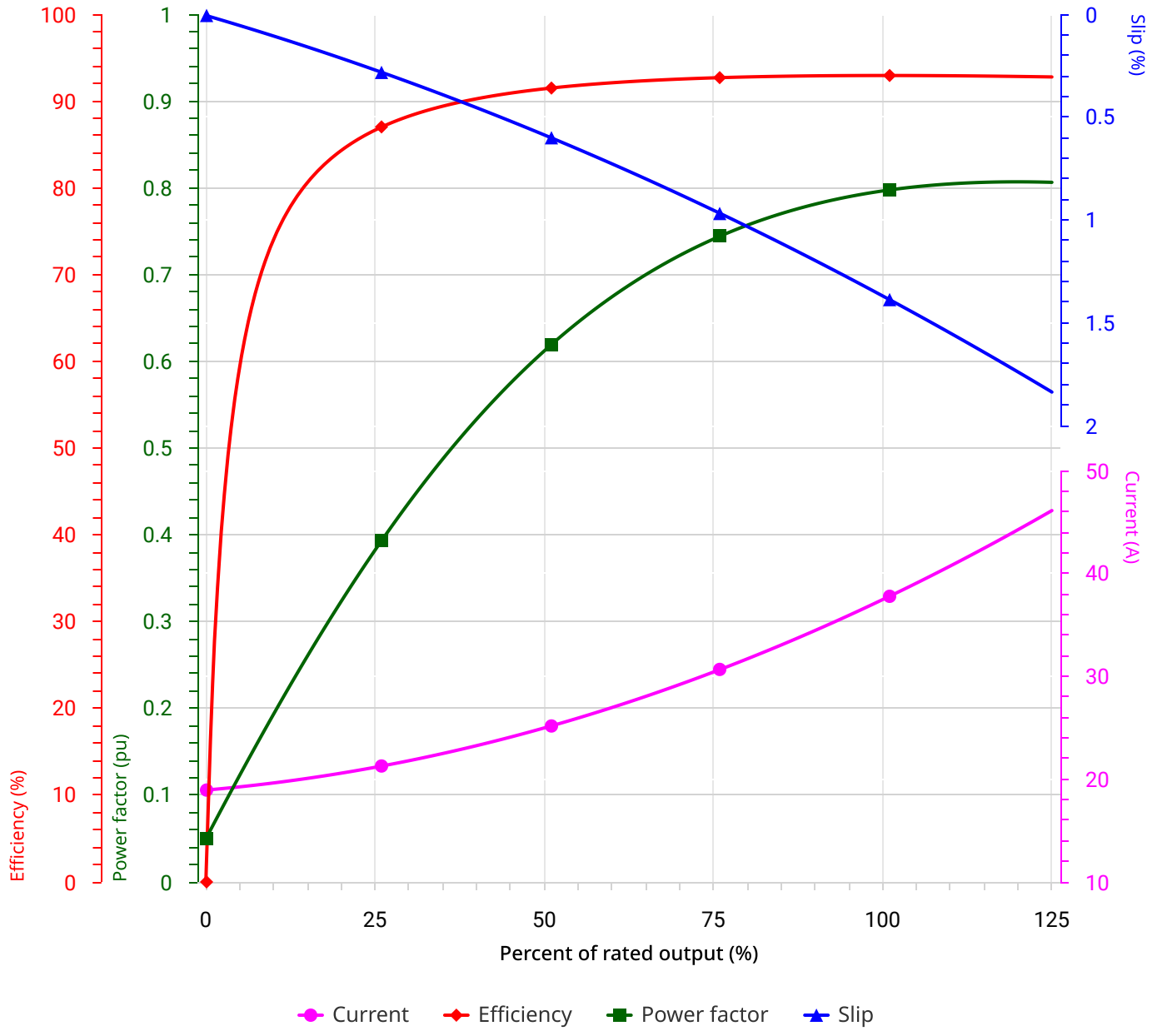
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12502805 |




| | |
|---|---|
| Performance | : 15 HP (11 kW) 208/230/460V 60Hz 4P 254/6T |

| | | | |
|---|---|---|---|
| Rated current | : 41.1/37.2/18.6 A | Moment of inertia (J) | : 0.0767 kgm² |
| LRC | : 6.7 Code H | Duty cycle | : Cont.(S1) |
| Rated torque | : 6.13 kgfm | Insulation class | : F |
| Locked rotor torque | : 240 % | Service factor | : 1.15 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 1775 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/13 |

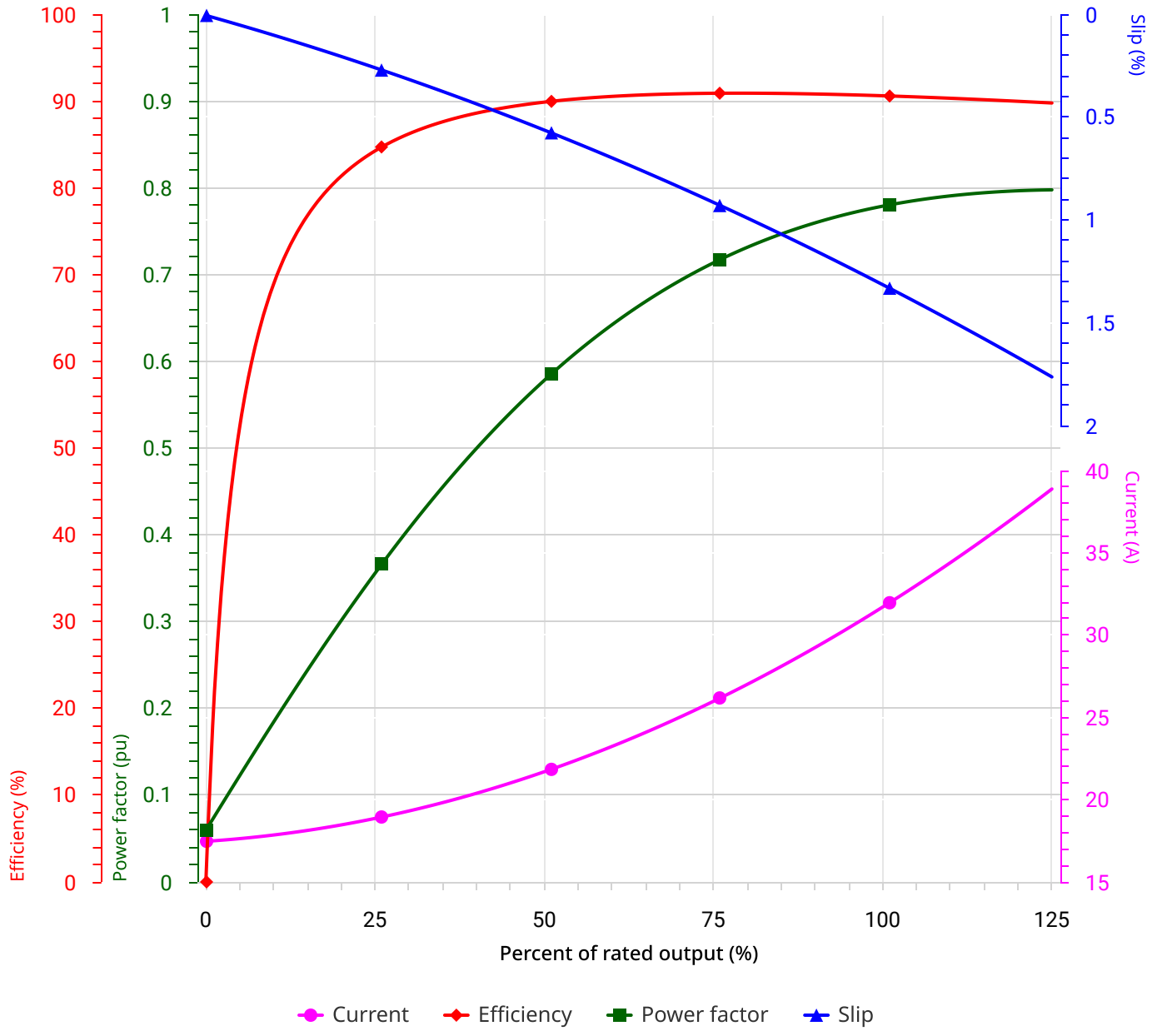
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12502805 |




| | |
|---|---|
| Performance | : 10 HP (7.5 kW) 190/380V 50Hz 4P 254/6T |

| | | | |
|---|---|---|---|
| Rated current | : 32.2/16.1 A | Moment of inertia (J) | : 0.0767 kgm² |
| LRC | : 7.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 4.90 kgfm | Insulation class | : F |
| Locked rotor torque | : 240 % | Service factor | : 1.15 |
| Breakdown torque | : 340 % | Temperature rise | : 80 K |
| Rated speed | : 1480 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/13 |

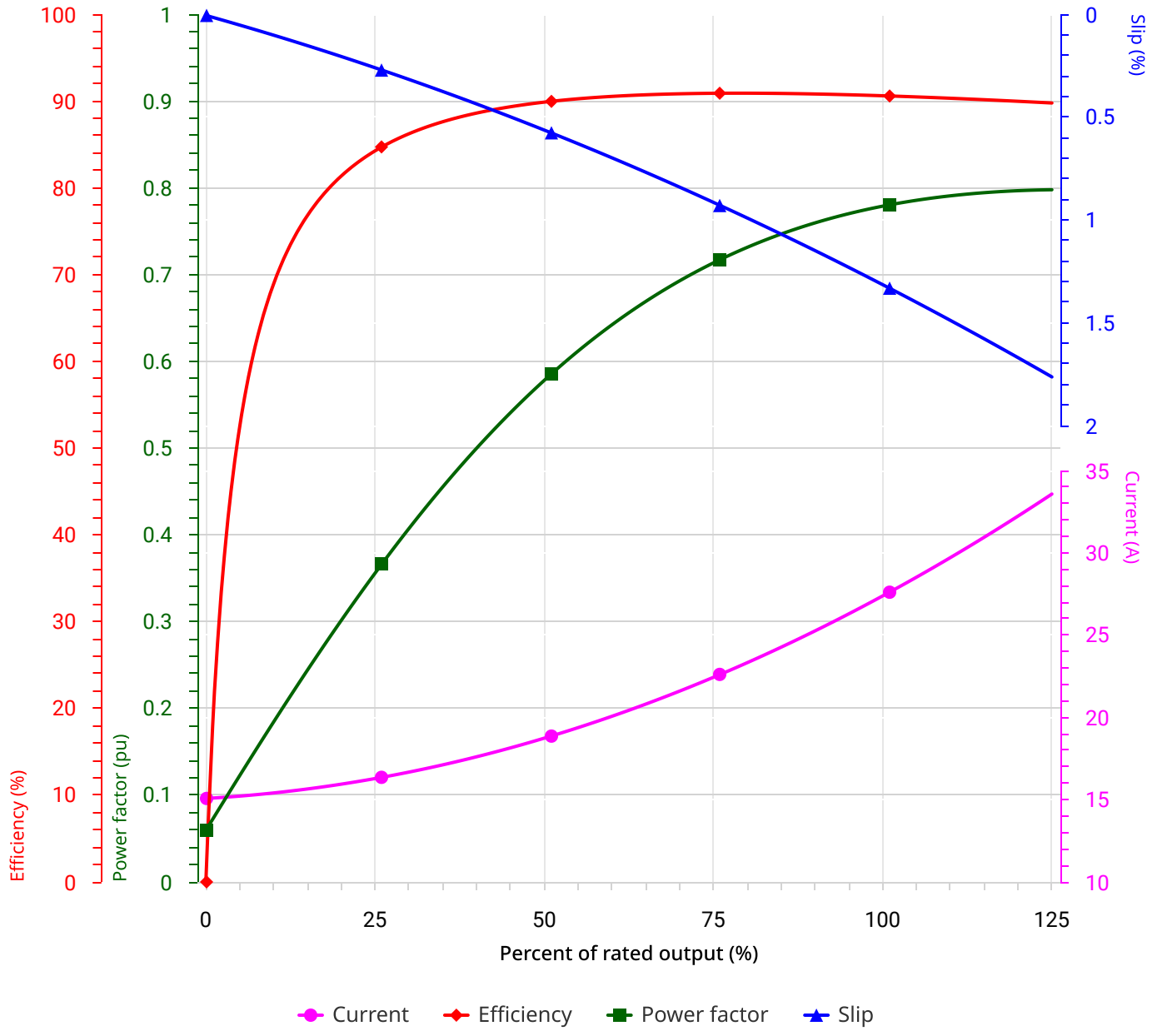
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12502805 |




| | |
|---|---|
| Performance | : 10 HP (7.5 kW) 220V 50Hz 4P 254/6T |

| | | | |
|---|---|---|---|
| Rated current | : 27.8 A | Moment of inertia (J) | : 0.0767 kgm² |
| LRC | : 7.2 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 5.00 kgfm | Insulation class | : F |
| Locked rotor torque | : 240 % | Service factor | : 1.15 |
| Breakdown torque | : 340 % | Temperature rise | : 80 K |
| Rated speed | : 1480 rpm | Design | : 00002 |

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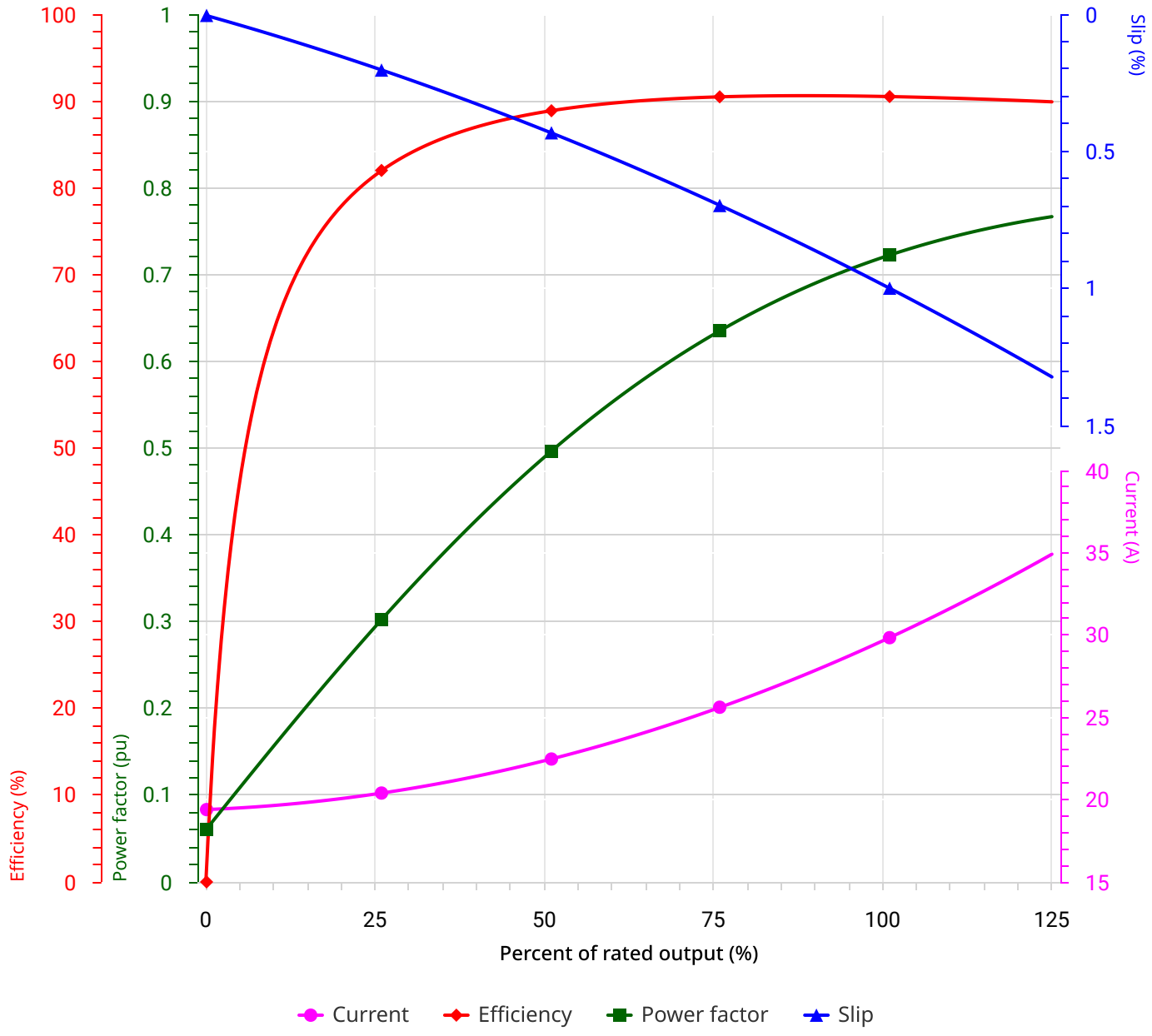
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12502805 |




| | |
|---|---|
| Performance | : 10 HP (7.5 kW) 220/415V 50Hz 4P 254/6T |

| | | | |
|---|---|---|---|
| Rated current | : 30.2/16.0 A | Moment of inertia (J) | : 0.0767 kgm² |
| LRC | : 7.9 Code L | Duty cycle | : Cont.(S1) |
| Rated torque | : 4.89 kgfm | Insulation class | : F |
| Locked rotor torque | : 300 % | Service factor | : 1.15 |
| Breakdown torque | : 420 % | Temperature rise | : 80 K |
| Rated speed | : 1485 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/13 |

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