**DATA SHEET**

Three Phase Induction Motor - Squirrel Cage

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

| | |
|---|---|
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12751142 |

| | | | |
|---|---|---|---|
| Frame | : 182/4T | 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 | : 25.1 kg |
| Protection degree | : IP21 | Moment of inertia (J) | : 0.0058 kgm² |
| Design | : B | | |

| Output | | 5 HP (3.7 kW) | 3 HP (2.2 kW) | 3 HP (2.2 kW) |
|---|---|---|---|---|
| Poles | | 2 | 2 | 2 |
| Frequency | | 60 Hz | 50 Hz | 50 Hz |
| Rated voltage | | 230/460 V | 190/380 V | 400 V |
| Rated current | | 12.6/6.32 A | 9.98/4.99 A | 4.97 A |
| L. R. Amperes | | 96.1/48.0 A | 91.8/45.9 A | 48.2 A |
| LRC | | 7.6 Code J | 9.2 Code M | 9.7 Code M |
| No load current | | 6.20/3.10 A | 6.00/3.00 A | 3.60 A |
| Rated speed | | 3510 rpm | 2940 rpm | 2945 rpm |
| Slip | | 2.50 % | 2.00 % | 1.83 % |
| Rated torque | | 1.03 kgfm | 0.741 kgfm | 0.739 kgfm |
| Locked rotor torque | | 190 % | 230 % | 260 % |
| Breakdown torque | | 300 % | 420 % | 450 % |
| Service factor | | 1.15 | 1.00 | 1.00 |
| Temperature rise | | 80 K | 80 K | 80 K |
| Noise level | | 65 dB(A) | 63 dB(A) | 63 dB(A) |
| Locked rotor time | | 15 s (hot) 27 s (cold) | 19 s (hot) 34 s (cold) | 17 s (hot) 31 s (cold) |
| Efficiency (%) | 50% | 85.5 | 81.6 | 81.0 |
| | 75% | 86.5 | 84.8 | 84.0 |
| | 100% | 86.5 | 85.9 | 85.2 |
| Power Factor | Start | 0.59 | 0.60 | 0.60 |
| | 50% | 0.66 | 0.56 | 0.52 |
| | 75% | 0.78 | 0.70 | 0.65 |
| | 100% | 0.85 | 0.78 | 0.75 |
| Losses at normative operating points (speed;torque), in percentage of rated output power | | | | |
| P1 (0,9;1,0) | | 0.00 | 0.00 | 0.00 |
| P2 (0,5;1,0) | | 0.00 | 0.00 | 0.00 |
| P3 (0,25;1,0) | | 0.00 | 0.00 | 0.00 |
| P4 (0,9;0,5) | | 0.00 | 0.00 | 0.00 |
| P5 (0,5;0,5) | | 0.00 | 0.00 | 0.00 |
| P6 (0,5;0,25) | | 0.00 | 0.00 | 0.00 |
| P7 (0,25;0,25) | | 0.00 | 0.00 | 0.00 |

| | Drive end | Non drive end |
|---|---|---|
| Bearing type | 6206-ZZ | 6205-ZZ |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| Lubricant type | MOBIL POLYREX EM | |

Notes:

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/07 |

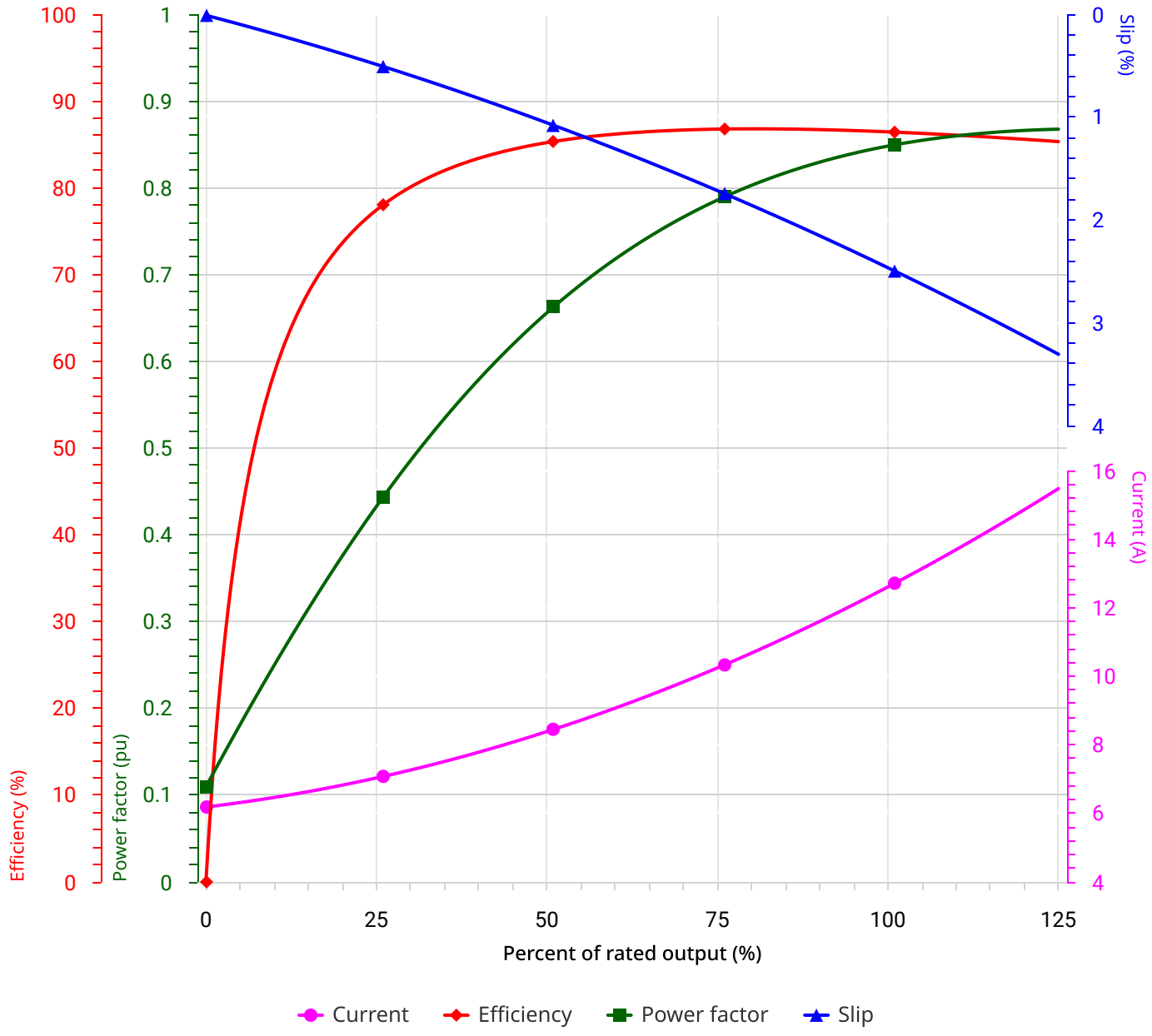
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12751142 |




| | |
|---|---|
| Performance | : 5 HP (3.7 kW) 208/230/460V 60Hz 2P 182/4T |

| | | | |
|---|---|---|---|
| Rated current | : 13.5/12.6/6.32 A | Moment of inertia (J) | : 0.0058 kgm² |
| LRC | : 7.6 Code J | Duty cycle | : Cont.(S1) |
| Rated torque | : 1.03 kgfm | Insulation class | : F |
| Locked rotor torque | : 190 % | Service factor | : 1.15 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 3510 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/07 |

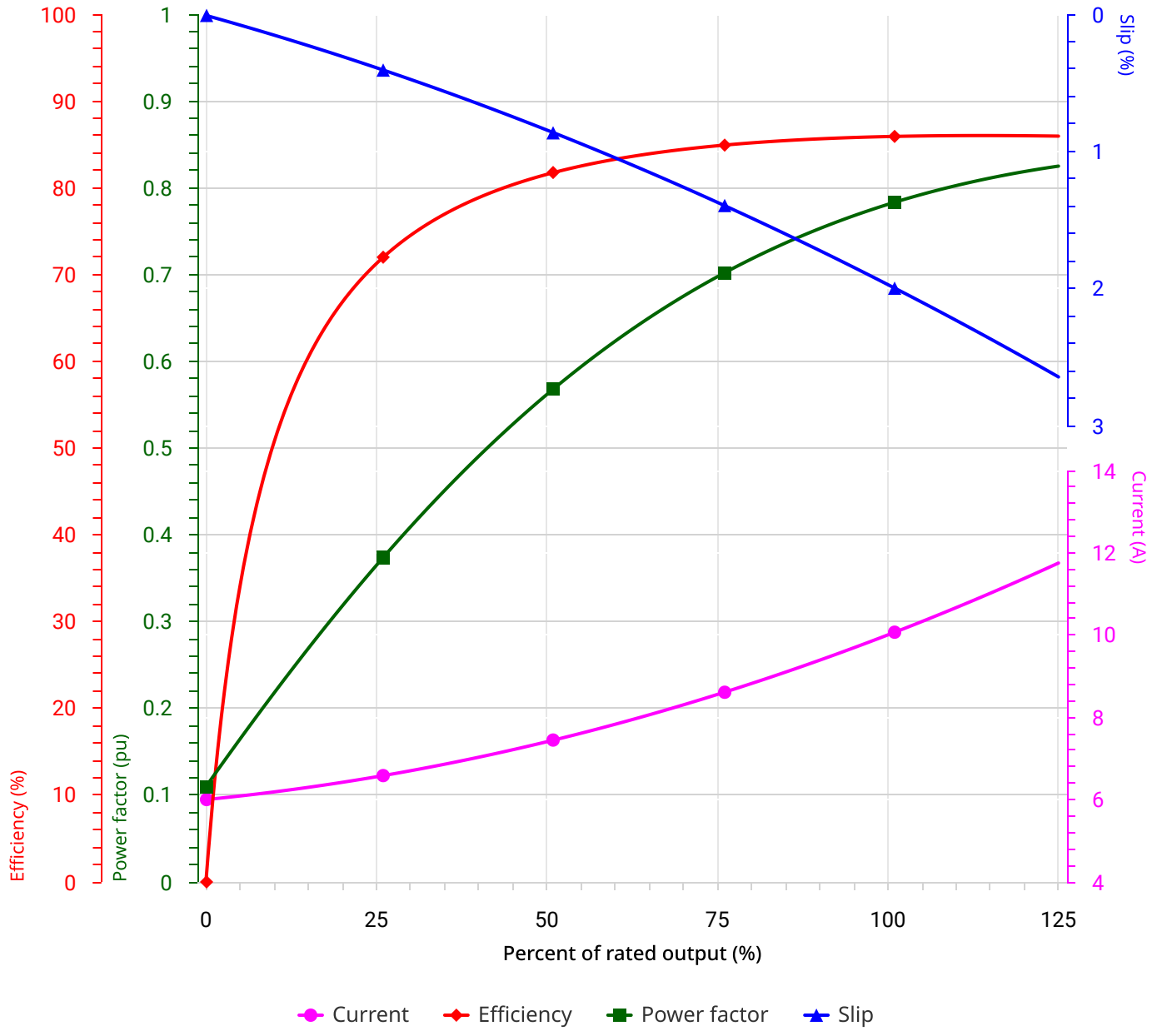
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12751142 |




| | |
|---|---|
| Performance | : 3 HP (2.2 kW) 190/380V 50Hz 2P 182/4T |

| | | | |
|---|---|---|---|
| Rated current | : 9.98/4.99 A | Moment of inertia (J) | : 0.0058 kgm² |
| LRC | : 9.2 Code M | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.741 kgfm | Insulation class | : F |
| Locked rotor torque | : 230 % | Service factor | : 1.00 |
| Breakdown torque | : 420 % | Temperature rise | : 80 K |
| Rated speed | : 2940 rpm | Design | : B |

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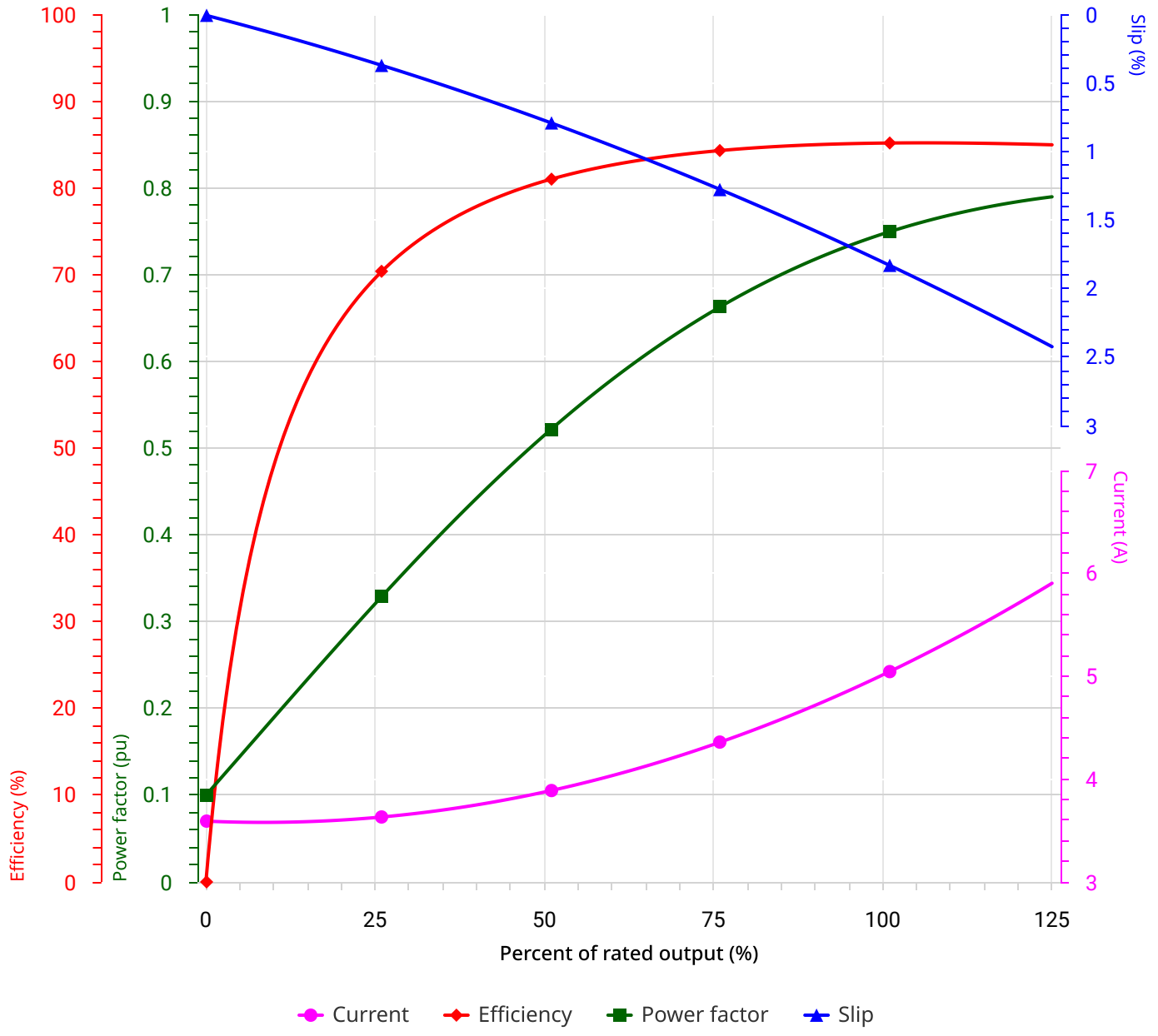
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : |
| Product line | : W01 - ODP - Nema Premium Efficiency - Derating |
| Product code | : 12751142 |




| | |
|---|---|
| Performance | : 3 HP (2.2 kW) 400V 50Hz 2P 182/4T |

| | | | |
|---|---|---|---|
| Rated current | : 4.97 A | Moment of inertia (J) | : 0.0058 kgm² |
| LRC | : 9.7 Code M | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.739 kgfm | Insulation class | : F |
| Locked rotor torque | : 260 % | Service factor | : 1.00 |
| Breakdown torque | : 450 % | Temperature rise | : 80 K |
| Rated speed | : 2945 rpm | Design | : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | 2026/11/07 |

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