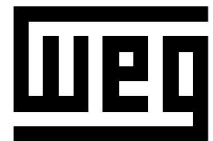


DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

| | | | |
|-----------------------|-------------------|-------------------------------|-------------------------|
| Frame | : 56HZ | Locked rotor time | : 17 s (hot) 0 s (cold) |
| Output | : 1 HP (0.75 kW) | Temperature rise ⁴ | : 80 K |
| Poles | : 4 | Duty cycle | : S1 |
| Frequency | : 60 Hz | Ambient temperature | : -20 °C to +40 °C |
| Rated voltage | : 230/460 V | Altitude | : 1000 m.a.s.l |
| Rated current | : 3.14/1.57 A | Protection degree | : IP21 |
| L. R. Amperes | : 23.9/11.9 A | Cooling method | : IC01 - ODP |
| LRC | : 7.6 Code L | Mounting | : F-1/B3R(D) |
| No load current | : 2.20/1.10 A | Rotation ¹ | : Both |
| Rated speed | : 1760 rpm | Noise level ² | : 52 dB(A) |
| Slip | : 2.22 % | Starting method | : Direct On Line |
| Rated torque | : 2.98 ft.lb | Approx. weight ³ | : 26.2 lb |
| Locked rotor torque | : 280 % | Design | : A |
| Pull up torque | : 235 % | | |
| Breakdown torque | : 320 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0854 sq.ft.lb | | |

| | | | | | | |
|----------------|-------|------|------|------|-------------------------------------|-----|
| Output | Start | 50% | 75% | 100% | Load type | : - |
| Efficiency (%) | - | 78.5 | 82.5 | 83.5 | Load torque | : - |
| Power Factor | 0.68 | 0.49 | 0.63 | 0.72 | Load inertia (J=GD ² /4) | : - |

| | | |
|----------------------|------------------|---------------|
| | Drive end | Non drive end |
| Bearing type | 6205-ZZ | 6202-ZZ |
| Lubrication interval | - | - |
| Lubricant amount | - | - |
| Lubricant type | MOBIL POLYREX EM | |

Notes:
USABLE @208V 3.47 A SF 1.00

| | | | | |
|-----------|---------------|-----------------|-----------|-----------------|
| 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 +3dB(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 |
|--------------|-----------------|--|-----------|------------|------------|
| | | | | | 07/02/2017 |
| Performed by | marian | | | 21053/2017 | |
| Checked by | caltamirano | | | Page | Revision |
| Date | 03/02/2017 | | | 1/4 | 0 |

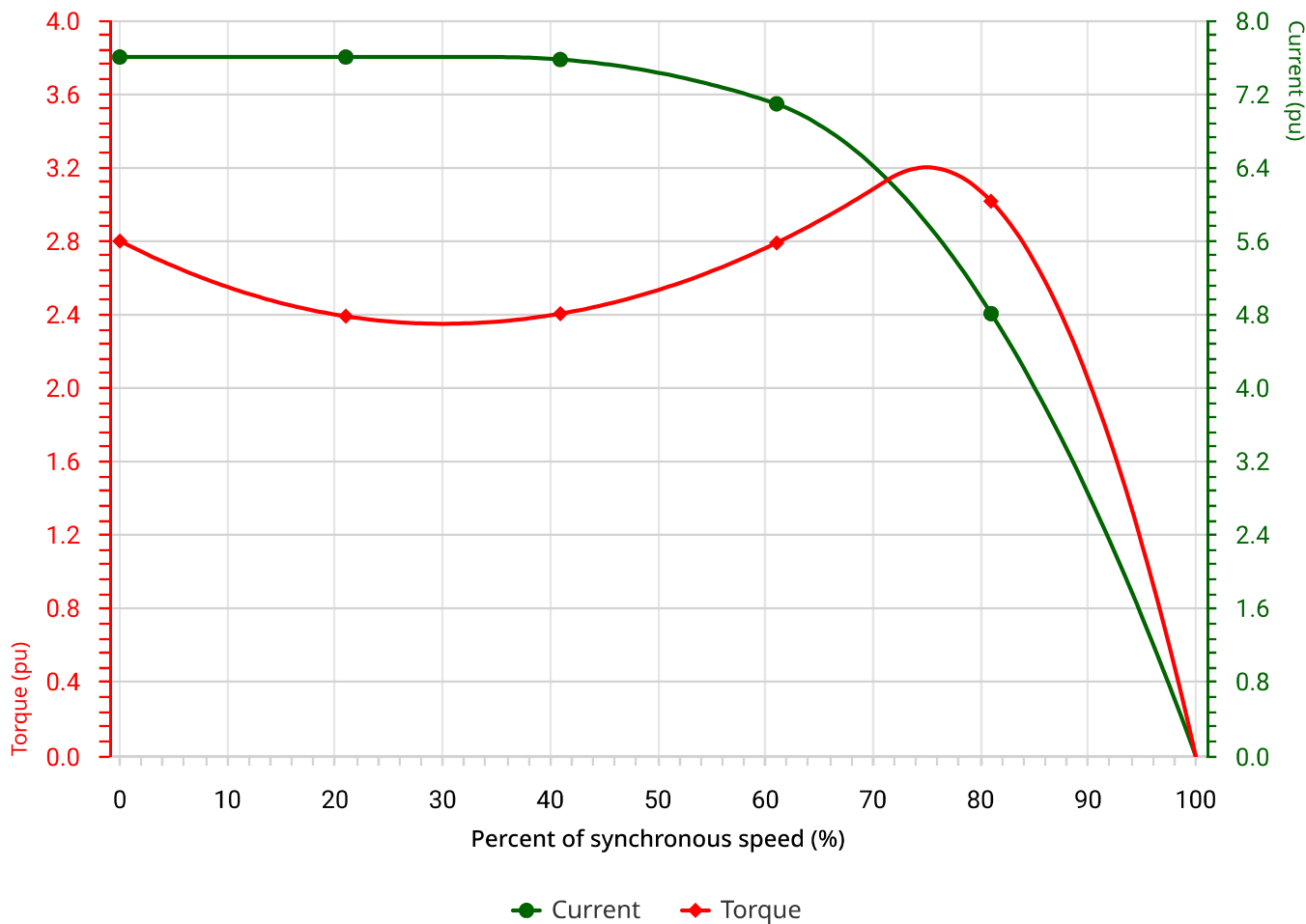
TORQUE AND CURRENT VS SPEED CURVE



Three Phase Induction Motor - Squirrel Cage

Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor



Performance : 1 HP (0.75 kW) 208/230/460V 60Hz 4P 56HZ

| | | | |
|---------------------|--------------------|-----------------------|-------------------|
| Rated current | : 3.47/3.14/1.57 A | Moment of inertia (J) | : 0.0854 sq.ft.lb |
| LRC | : 7.6 Code L | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.98 ft.lb | Insulation class | : F |
| Locked rotor torque | : 280 % | Service factor | : 1.15 |
| Breakdown torque | : 320 % | Temperature rise | : 80 K |
| Rated speed | : 1760 rpm | Design | : A |

Locked rotor time 100% : 17 s (hot) 0 s (cold)
 Load Inertia (J=GD²/4) : 0.0854 sq.ft.lb

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|---------------|
| | | | | 07/02/2017 |
| Performed by | marian | | | 21053/2017 |
| Checked by | caltamirano | | | Page Revision |
| Date | 03/02/2017 | | | 2/4 0 |

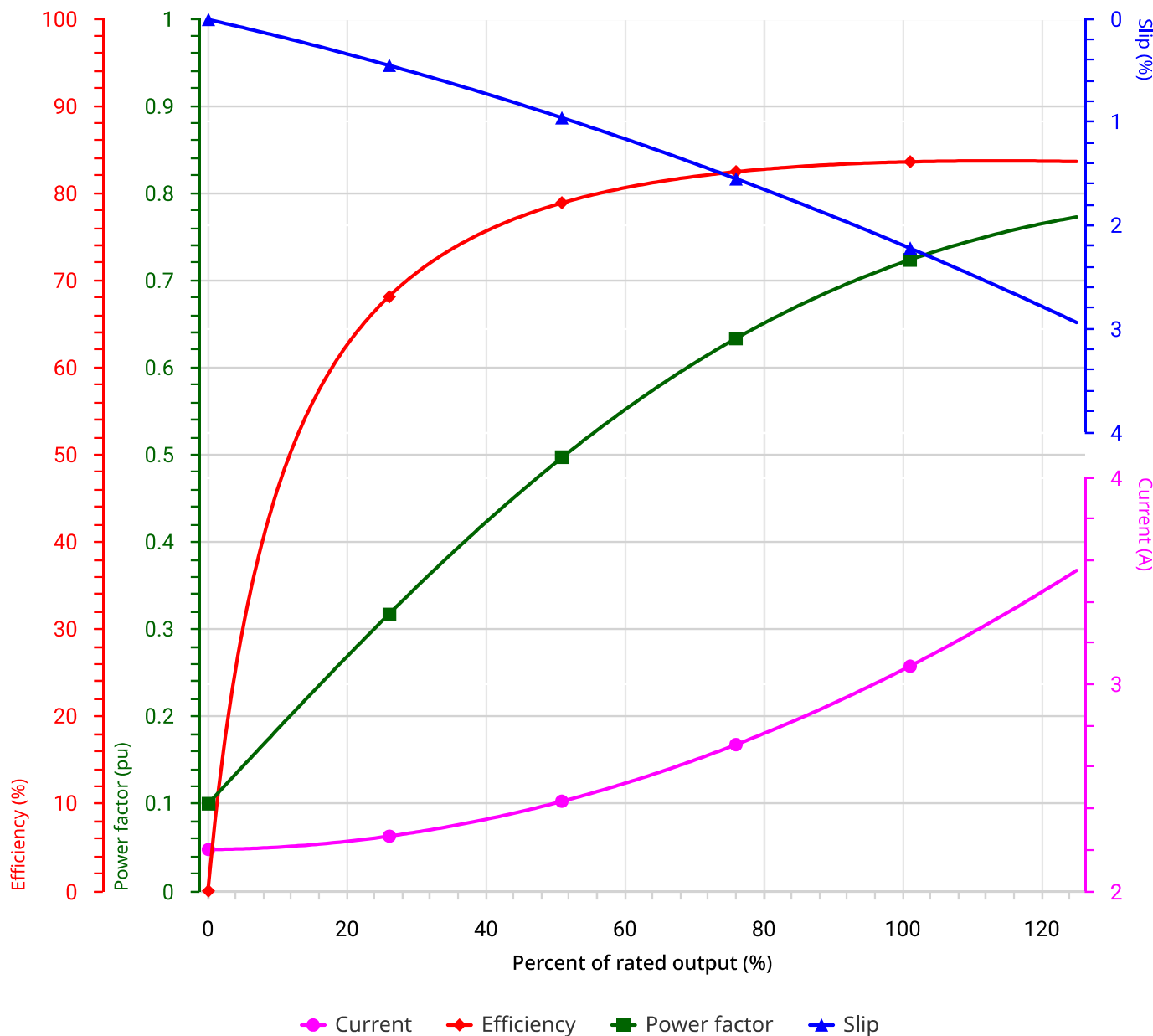
LOAD PERFORMANCE CURVE



Three Phase Induction Motor - Squirrel Cage

Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

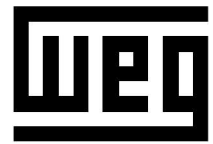


Performance : 1 HP (0.75 kW) 208/230/460V 60Hz 4P 56HZ

| | | | |
|---------------------|--------------------|-----------------------|-------------------|
| Rated current | : 3.47/3.14/1.57 A | Moment of inertia (J) | : 0.0854 sq.ft.lb |
| LRC | : 7.6 Code L | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.98 ft.lb | Insulation class | : F |
| Locked rotor torque | : 280 % | Service factor | : 1.15 |
| Breakdown torque | : 320 % | Temperature rise | : 80 K |
| Rated speed | : 1760 rpm | Design | : A |

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|---------------|
| | | | | 07/02/2017 |
| Performed by | marian | | | 21053/2017 |
| Checked by | caltamirano | | | Page Revision |
| Date | 03/02/2017 | | | 3/4 0 |

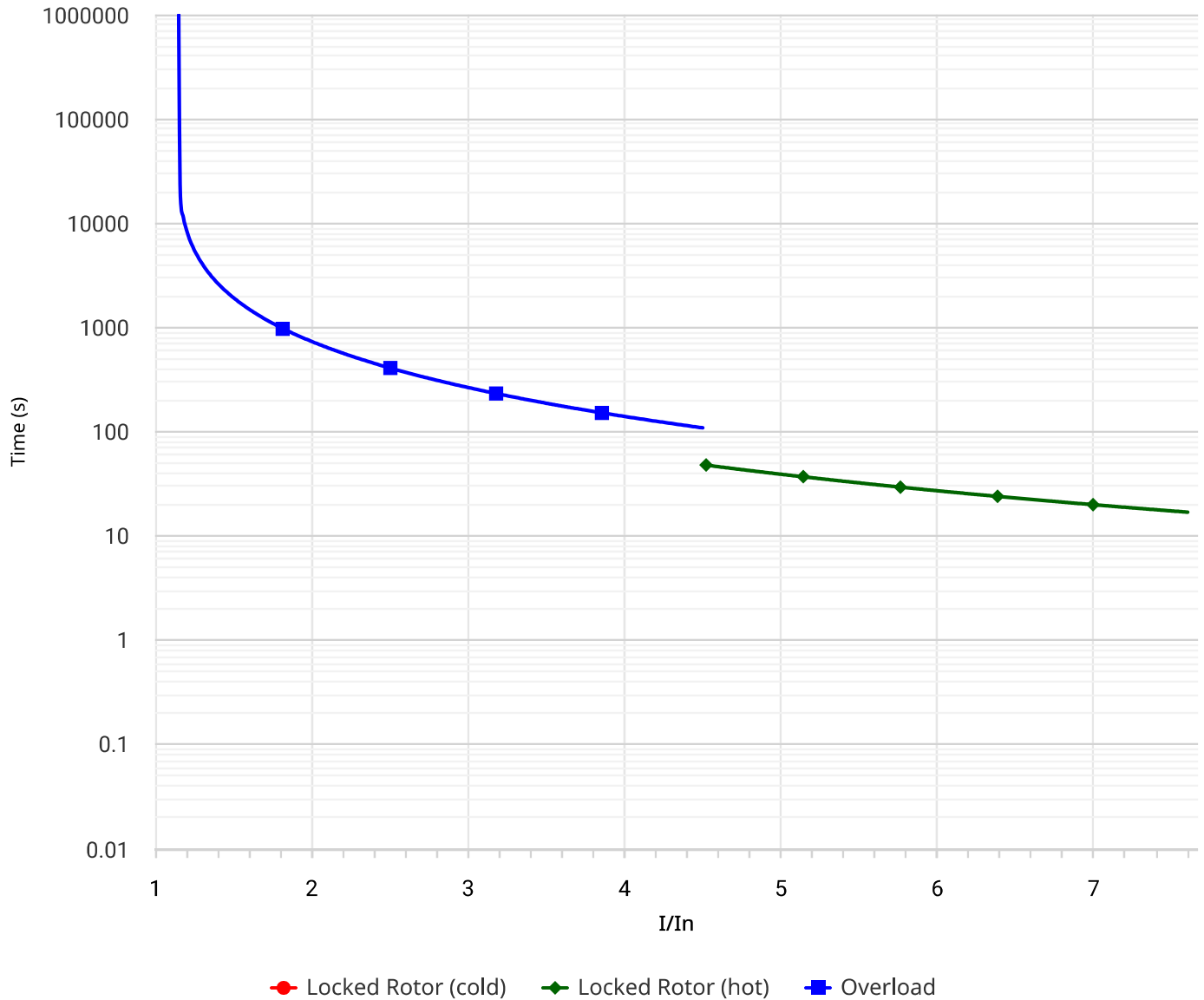
THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor



Performance : 1 HP (0.75 kW) 208/230/460V 60Hz 4P 56HZ

| | | | |
|---------------------|--------------------|-----------------------|-------------------|
| Rated current | : 3.47/3.14/1.57 A | Moment of inertia (J) | : 0.0854 sq.ft.lb |
| LRC | : 7.6 Code L | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.98 ft.lb | Insulation class | : F |
| Locked rotor torque | : 280 % | Service factor | : 1.15 |
| Breakdown torque | : 320 % | Temperature rise | : 80 K |
| Rated speed | : 1760 rpm | Design | : A |

Heating constant : 35.7 min
Cooling constant : 107.1 min

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|------------|
| | | | | 07/02/2017 |
| Performed by | marian | | | 21053/2017 |
| Checked by | caltamirano | | Page | Revision |
| Date | 03/02/2017 | | 4/4 | 0 |