# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage

Customer :

| | | | |
|---|---|---|---|
| Product line | : General Single-Phase | Product code : | 10083691 |

| | | | |
|---|---|---|---|
| Frame | : B56 | Locked rotor time | : 10s (cold) 6s (hot) |
| Output | : 0.33 HP (0.25 kW) | Temperature rise | : 80 K |
| Poles | : 4 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 115/208-230 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 5.60/2.70-2.80 A | Protection degree | : IP55 |
| L. R. Amperes | : 32.5/15.7-16.2 A | Cooling method | : IC411 - TEFC |
| LRC | : 5.8x(Code N) | Mounting | : F-1 |
| No load current | : 4.60/1.98-2.30 A | Rotation[1] | : Both (CW and CCW) |
| Rated speed | : 1750 rpm | Noise level[2] | : 55.0 dB(A) |
| Slip | : 2.78 % | Starting method | : Direct On Line |
| Rated torque | : 0.137 kgfm | Approx. weight[3] | : 9.6 kg |
| Locked rotor torque | : 340 % | | |
| Breakdown torque | : 280 % | | |
| Insulation class | : B | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0026 kgm² | | |

| Output | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency (%) | 49.0 | 58.0 | 61.0 |
| Power Factor | 0.44 | 0.53 | 0.62 |

Foundation loads

| | |
|---|---|
| Max. traction | : 7 kgf |
| Max. compression | : 17 kgf |

| | | Drive end | Non drive end |
|---|---|---|---|
| Bearing type | : | 6203 ZZ | 6202 ZZ |
| Sealing | : | V'Ring | V'Ring |
| Lubrication interval | : | - | - |
| Lubricant amount | : | - | - |
| Lubricant type | : | Mobil Polyrex EM | |

Notes

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 changes 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.

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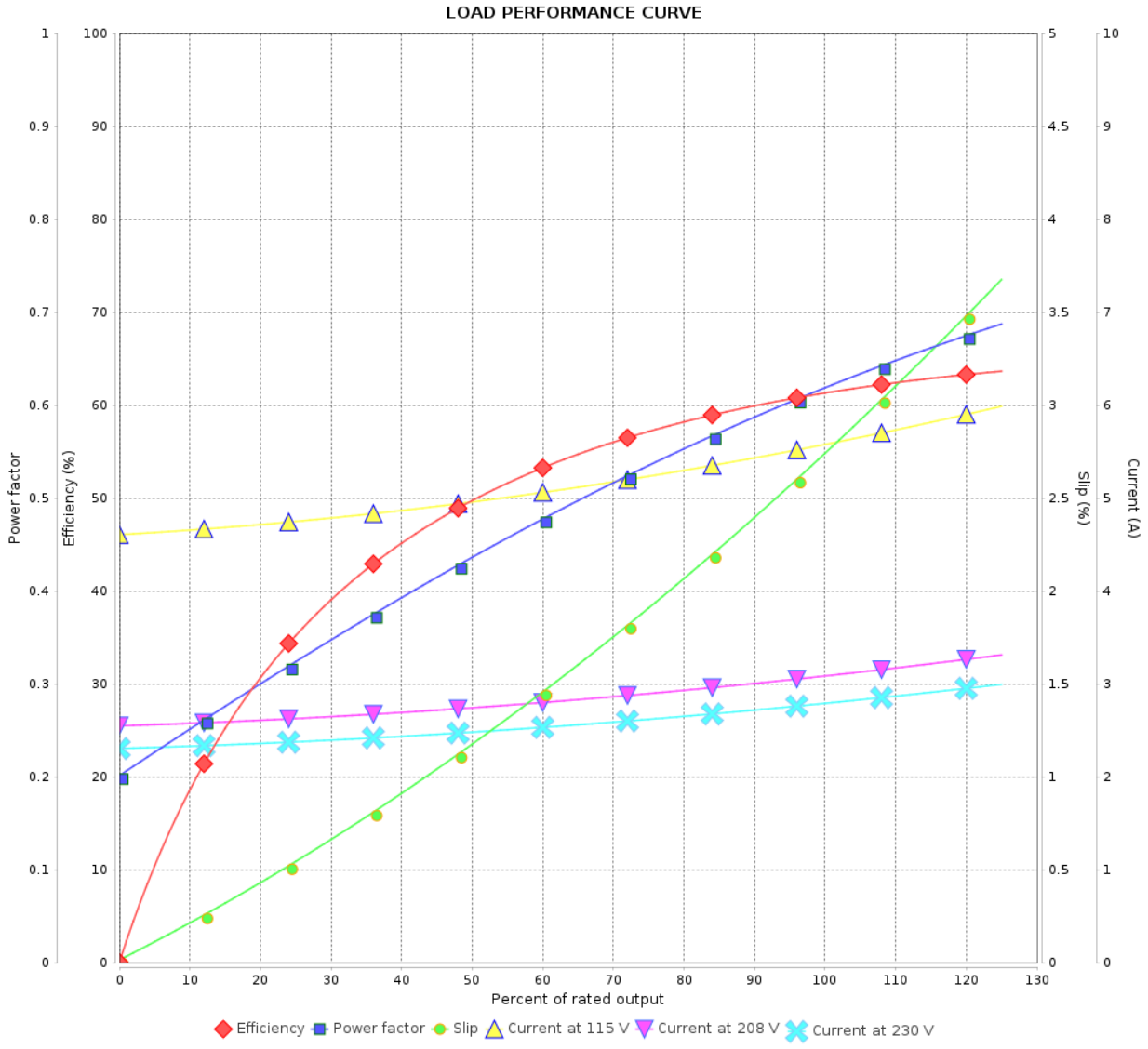
# LOAD PERFORMANCE CURVE

## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase Product code : 10083691




| | | | |
|---|---|---|---|
| Performance | : 115/208-230 V 60 Hz 4P | | |
| Rated current | : 5.60/2.70-2.80 A | Moment of inertia (J) | : 0.0026 kgm² |
| LRC | : 5.8 | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.137 kgfm | Insulation class | : B |
| Locked rotor torque | : 340 % | Service factor | : |
| Breakdown torque | : 280 % | Temperature rise | : 80 K |
| Rated speed | : 1750 rpm | | |

| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
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