# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Explosion Proof Single-Phase  Product code : 11260295

| | | | |
|---|---|---|---|
| Frame | : B56CEX | Locked rotor time | : 10s (cold) 6s (hot) |
| Output | : 0.5 HP (0.37 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 | : 7.40/3.60-3.70 A | Protection degree | : IP44 |
| L. R. Amperes | : 44.4/21.6-22.2 A | Cooling method | : IC411 - TEFC |
| LRC | : 6.0x(Code M) | Mounting | : F-1 |
| No load current | : 6.00/2.59-3.00 A | Rotation[1] | : Both (CW and CCW) |
| Rated speed | : 1750 rpm | Starting method | : Direct On Line |
| Slip | : 2.78 % | Approx. weight[3] | : 17.1 kg |
| Rated torque | : 0.207 kgfm | | |
| Locked rotor torque | : 280 % | | |
| Breakdown torque | : 220 % | | |
| Insulation class | : B | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0041 kgm² | | |

| Output | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency (%) | 57.0 | 64.0 | 68.6 |
| Power Factor | 0.44 | 0.55 | 0.63 |

Foundation loads

| | |
|---|---|
| Max. traction | : 6 kgf |
| Max. compression | : 23 kgf |

| | | Drive end | Non drive end |
|---|---|---|---|
| Bearing type | : | 6203 ZZ | 6203 ZZ |
| Sealing | : | Without Bearing Seal | Without Bearing Seal |
| 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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| Date | 26/10/2024 | | 1 / 2 | |

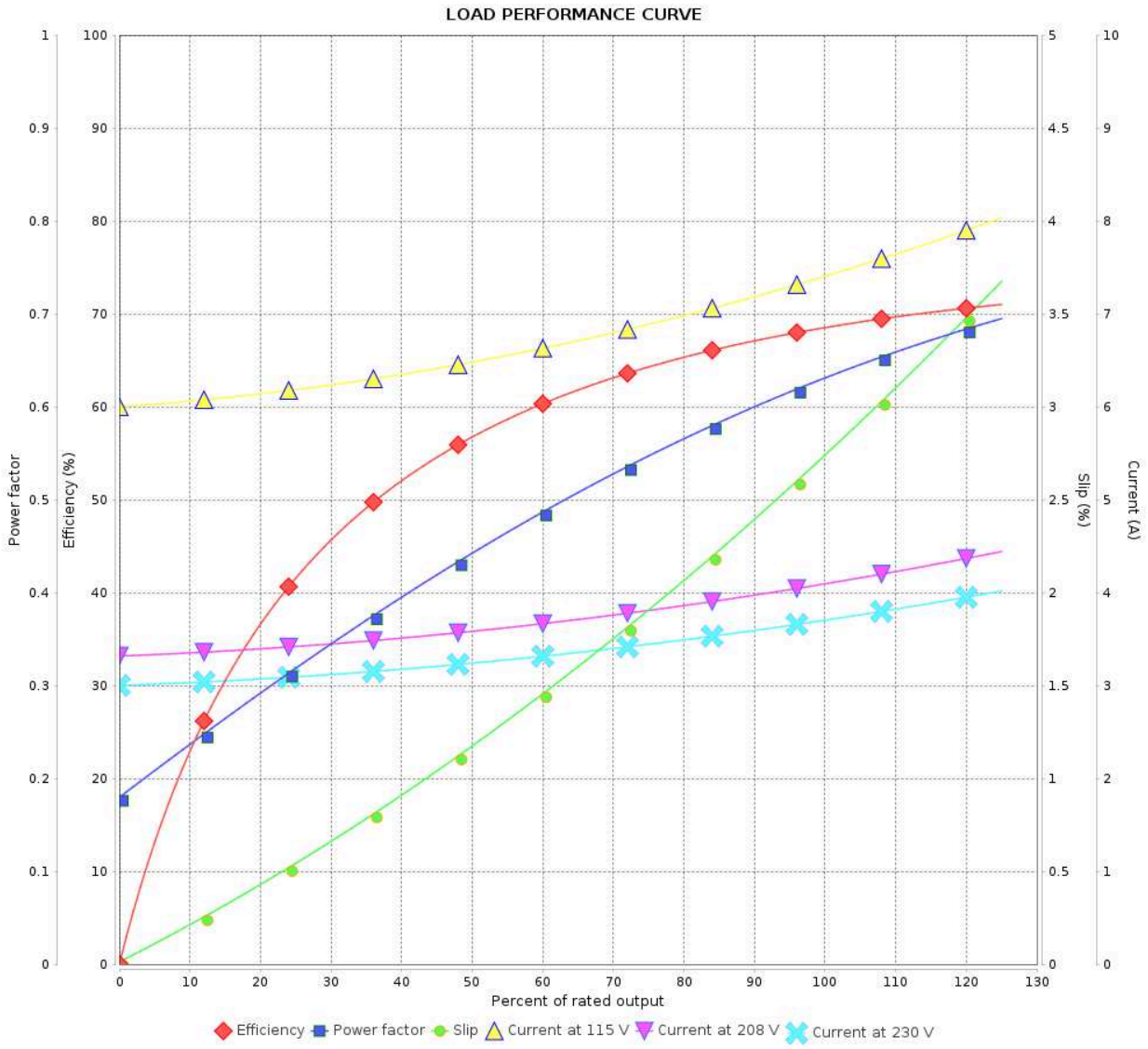
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# LOAD PERFORMANCE CURVE

## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Explosion Proof Single-Phase Product code : 11260295

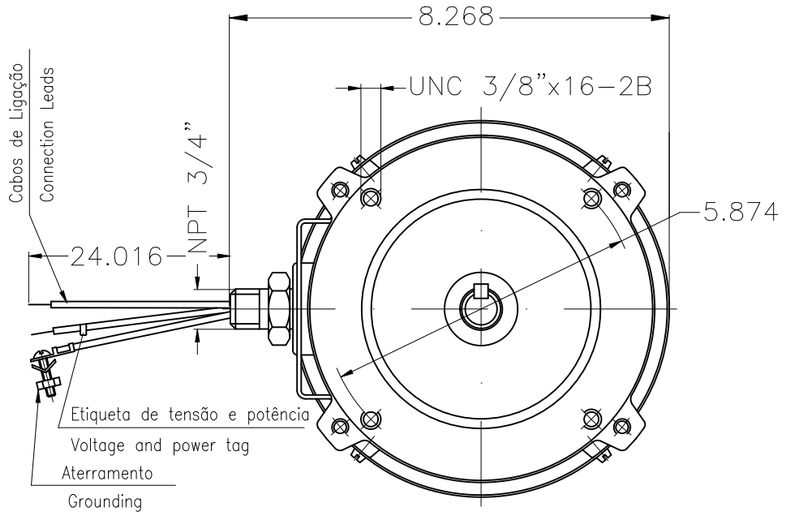


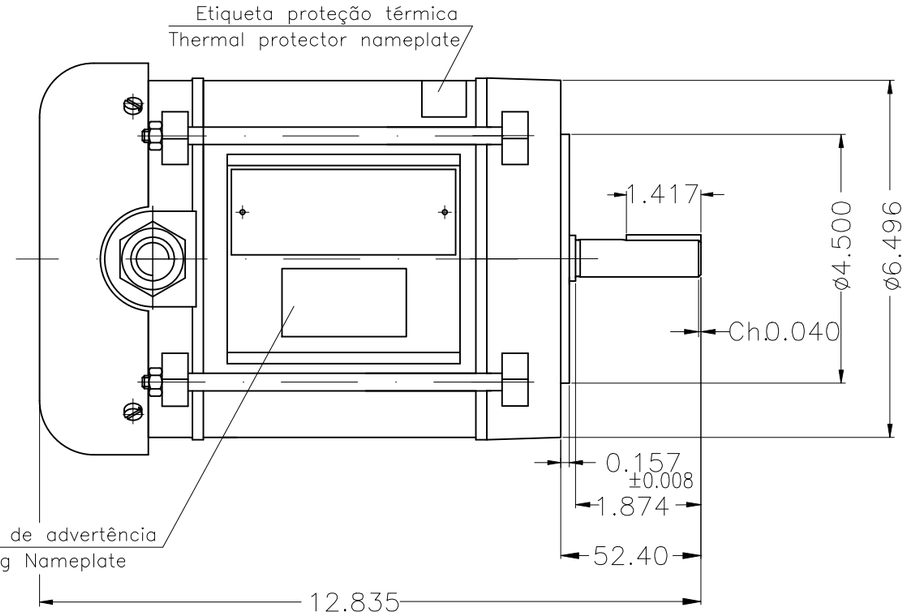

| | | | |
|---|---|---|---|
| Performance | : 115/208-230 V 60 Hz 4P | | |
| Rated current | : 7.40/3.60-3.70 A | Moment of inertia (J) | : 0.0041 kgm² |
| LRC | : 6.0 | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.207 kgfm | Insulation class | : B |
| Locked rotor torque | : 280 % | Service factor | : |
| Breakdown torque | : 220 % | Temperature rise | : 80 K |
| Rated speed | : 1750 rpm | | |

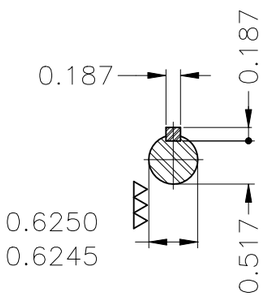
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Mounting B14R(D)

| ECM | LOC | SUMMARY OF MODIFICATIONS | EXECUTED | CHECKED | RELEASED | DATE | VER |
|---|---|---|---|---|---|---|---|
| | | | HYBRISUSER | | | | 00 |

| | | | | |
|---|---|---|---|---|
| EXECUTED | HYBRISUSER | SINGLE PH. MOTOR EXPLOSION PROOF | PREVIEW | |
| CHECKED | | FRAME B56CEX IP44 TEFC | WDD 00 | |
| RELEASED | | | | |
| REL. DATE | | WMO Jaragua do Sul Product Engineering | SHEET 1 / 1 | |

1/2 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3

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