# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

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

| | | | |
|---|---|---|---|
| Product line | : Standard Efficiency Three-Phase | Product code : | 14056327 |

| | | | |
|---|---|---|---|
| Frame | : 56HC | Cooling method | : IC411 - TEFC |
| Insulation class | : F | Mounting | : F-1 |
| Duty cycle | : Cont.(S1) | Rotation[1] | : Both (CW and CCW) |
| Ambient temperature | : -20°C to +40°C | Starting method | : Direct On Line |
| Altitude | : 1000 m.a.s.l. | Approx. weight[3] | : 14.0 kg |
| Protection degree | : IP55 | Moment of inertia (J) | : 0.0056 kgm² |
| Design | : A | | |

| | | |
|---|---|---|
| Output [HP] | | 0.75 |
| Poles | | 6 |
| Frequency [Hz] | | 60 |
| Rated voltage [V] | | 575 |
| Rated current [A] | | 1.07 |
| L. R. Amperes [A] | | 6.22 |
| LRC [A] | | 5.8x(Code K) |
| No load current [A] | | 0.777 |
| Rated speed [RPM] | | 1155 |
| Slip [%] | | 3.75 |
| Rated torque [kgfm] | | 0.471 |
| Locked rotor torque [%] | | 229 |
| Breakdown torque [%] | | 300 |
| Service factor | | 1.15 |
| Temperature rise | | 80 K |
| Locked rotor time | | 37s (cold) 21s (hot) |
| Noise level[2] | | 50.0 dB(A) |
| Efficiency (%) | 25% | |
| | 50% | 70.0 |
| | 75% | 74.0 |
| | 100% | 75.5 |
| Power Factor | 25% | |
| | 50% | 0.46 |
| | 75% | 0.59 |
| | 100% | 0.68 |

| | | 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 | |

Foundation loads

Max. traction : 38 kgf

Max. compression : 52 kgf

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 |
|---|---|---|---|---|
| | | | | |

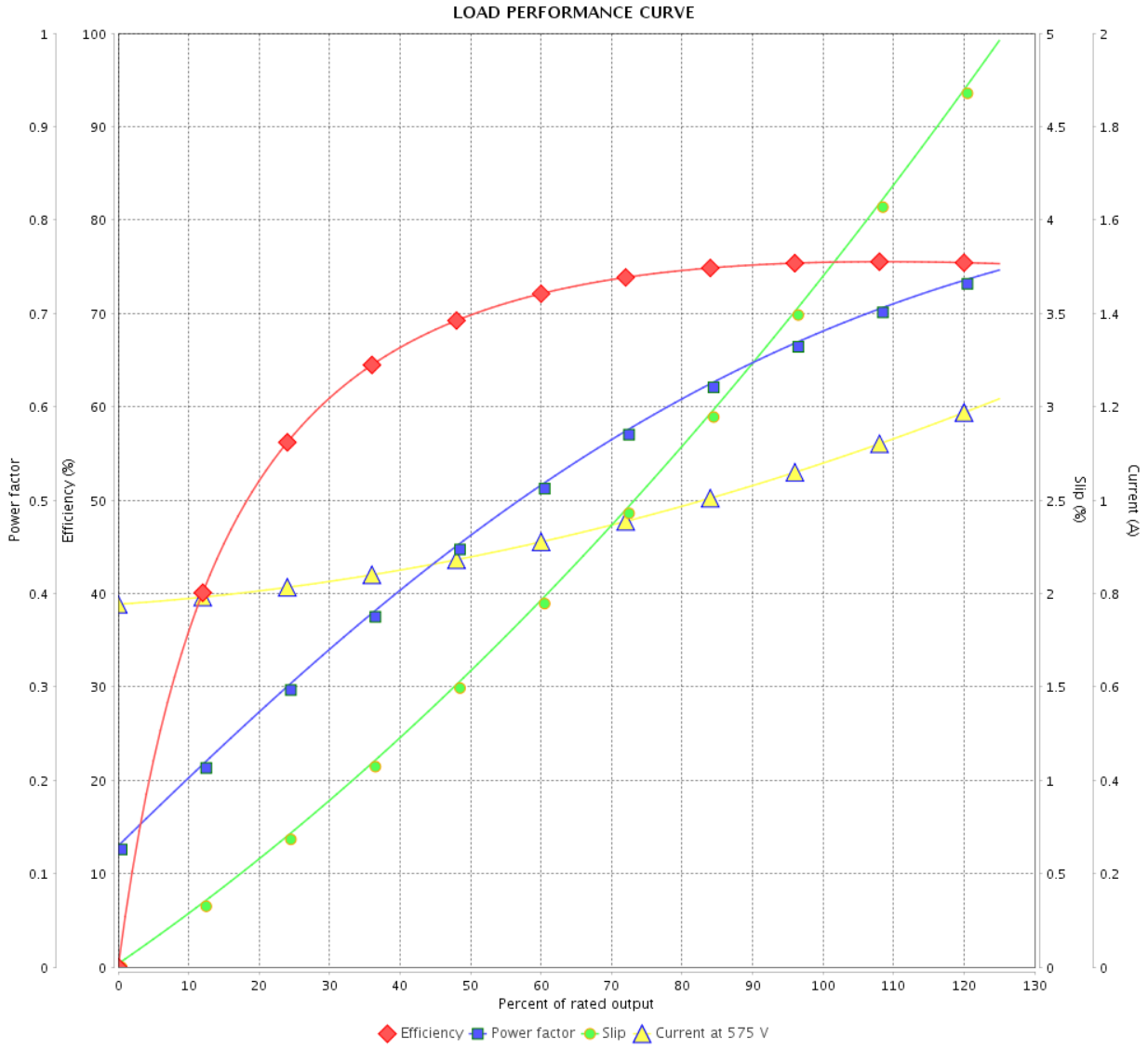
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| Checked by | | | Page | Revision |
| Date | 13/05/2022 | | 1 / 2 | |

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

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| Product line | : Standard Efficiency Three-Phase | Product code : | 14056327 |

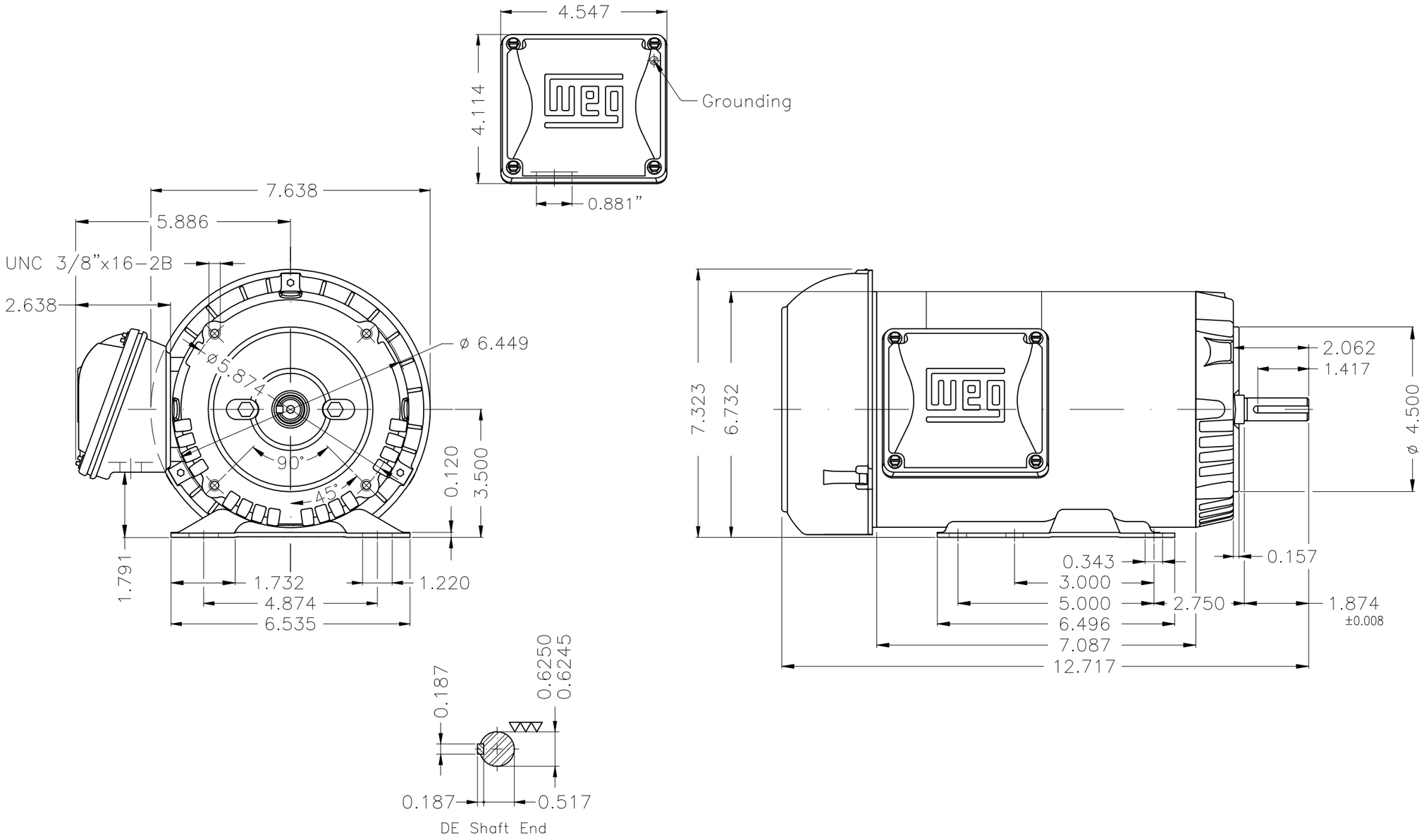



| | | | |
|---|---|---|---|
| Performance | : 575 V 60 Hz 6P | | |
| Rated current | : 1.07 A | Moment of inertia (J) | : 0.0056 kgm² |
| LRC | : 5.8 | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.471 kgfm | Insulation class | : F |
| Locked rotor torque | : 229 % | Service factor | : 1.15 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 1155 rpm | Design | : A |

| Rev. | Changes Summary | Performed | Checked | Date |
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| | | | HYBRISUSER | | | | 00 |
| ECM | LOC | SUMMARY OF MODIFICATIONS | EXECUTED | CHECKED | RELEASED | DATE | VER |

Color Munsell N 1 matte black

Painting plan 207N

Mounting B34D

| | |
|---|---|
| EXECUTED | HYBRISUSER |
| CHECKED | |
| RELEASED | |
| REL. DATE | |

THREE PH. MOTOR ROLLED STEEL

FRAME 56HC IP55 TEFC

WMO Jaragua do Sul Product Engineering

PREVIEW

WDD 00

SHEET 1 / 1

0.75 HP 06 Poles 60 Hz

A

Dimensions in inches

XME A3

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