# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

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

| | | | |
|---|---|---|---|
| Product line | : Jet Pump - J type Premium Efficiency Three-Phase | Product code : | 16039609 |

| | | | |
|---|---|---|---|
| Frame | : W56J | Cooling method | : IC01 - ODP |
| Insulation class | : F | Mounting | : F-1 |
| Duty cycle | : Cont.(S1) | Rotation[1] | : CCW |
| Ambient temperature | : -20°C to +40°C | Starting method | : Direct On Line |
| Altitude | : 1000 m.a.s.l. | Approx. weight[3] | : 8.8 kg |
| | | Moment of inertia (J) | : 0.0010 kgm² |

| | | |
|---|---|---|
| Output [HP] | | 1 |
| Poles | | 2 |
| Frequency [Hz] | | 60 |
| Rated voltage [V] | | 575 |
| Rated current [A] | | 1.30 |
| L. R. Amperes [A] | | 10.8 |
| LRC [A] | | 8.3x(Code M) |
| No load current [A] | | 0.800 |
| Rated speed [RPM] | | 3450 |
| Slip [%] | | 4.17 |
| Rated torque [kgfm] | | 0.210 |
| Locked rotor torque [%] | | 400 |
| Breakdown torque [%] | | 409 |
| Service factor | | 1.40 |
| Temperature rise | | 80 K |
| Locked rotor time | | 23s (cold) 13s (hot) |
| Noise level[2] | | 62.0 dB(A) |
| Efficiency (%) | 25% | |
| | 50% | 70.0 |
| | 75% | 75.5 |
| | 100% | 77.0 |
| Power Factor | 25% | |
| | 50% | 0.55 |
| | 75% | 0.68 |
| | 100% | 0.75 |

| | | Drive end | Non drive end |
|---|---|---|---|
| Bearing type | : | 6203 2RS | 6202 2RS |
| Sealing | : | Without Bearing Seal | Without Bearing Seal |
| Lubrication interval | : | - | - |
| Lubricant amount | : | - | - |
| Lubricant type | : | Mobil Polyrex EM | |

Foundation loads

Max. traction : 23 kgf

Max. compression : 32 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 |
|---|---|---|---|---|
| | | | | |

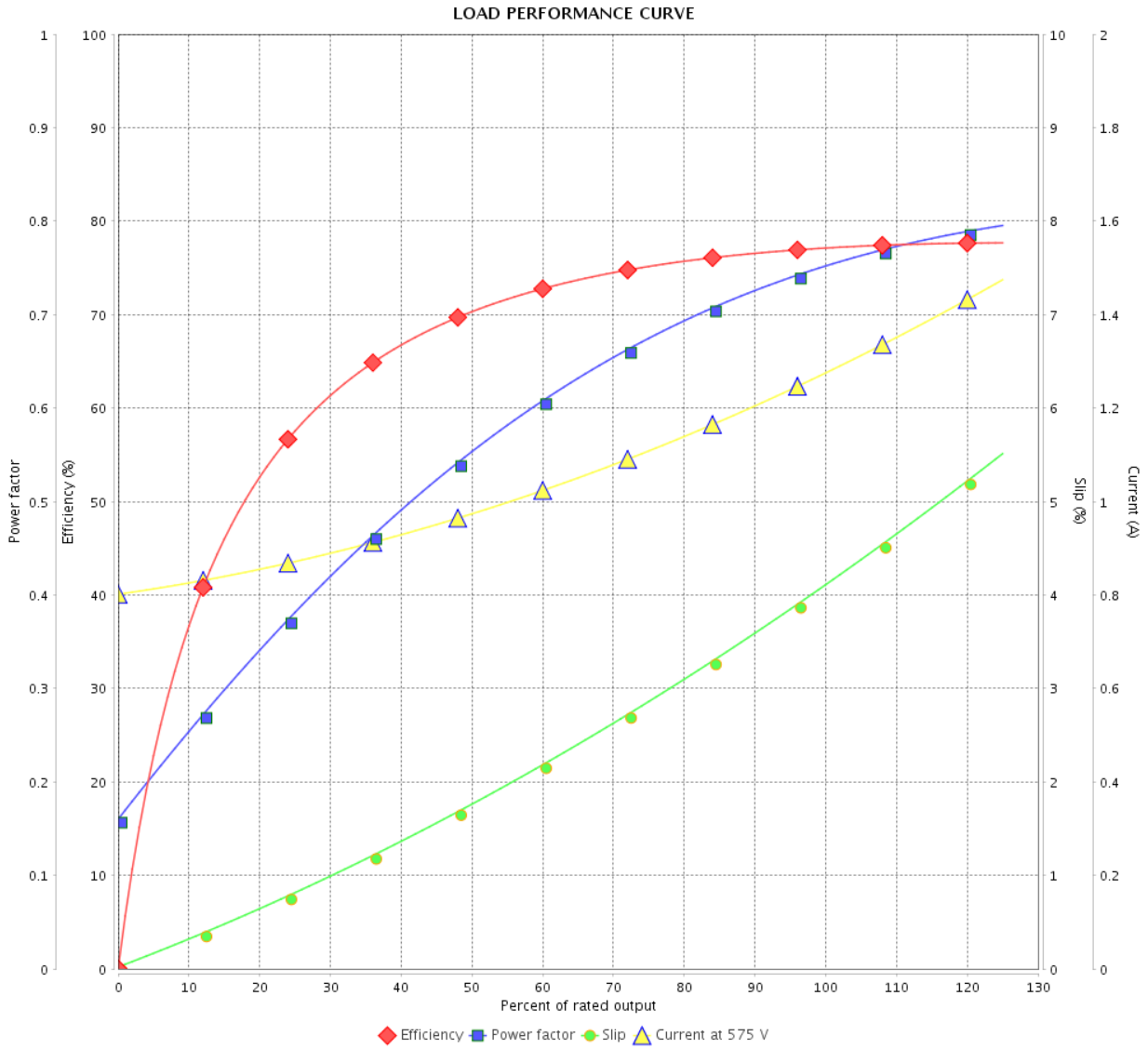
| | | | | |
|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 11/05/2022 | | 1 / 2 | |

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice

# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

| | | | |
|---|---|---|---|
| Customer | : | | |
| Product line | : Jet Pump - J type Premium Efficiency Three-Phase | Product code : | 16039609 |

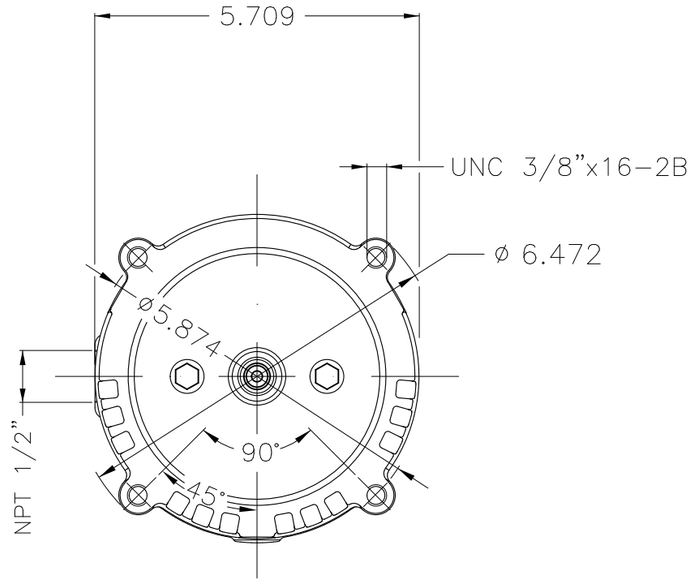


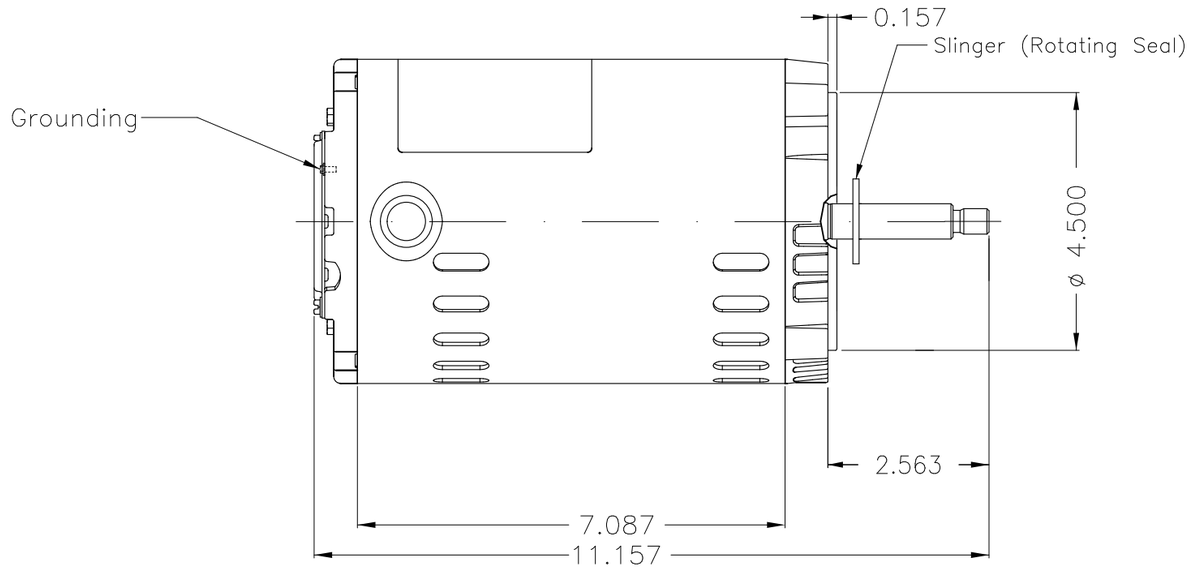

| | | | |
|---|---|---|---|
| Performance | : 575 V 60 Hz 2P | | |
| Rated current | : 1.30 A | Moment of inertia (J) | : 0.0010 kgm² |
| LRC | : 8.3 | Duty cycle | : Cont.(S1) |
| Rated torque | : 0.210 kgfm | Insulation class | : F |
| Locked rotor torque | : 400 % | Service factor | : 1.40 |
| Breakdown torque | : 409 % | Temperature rise | : 80 K |
| Rated speed | : 3450 rpm | | |

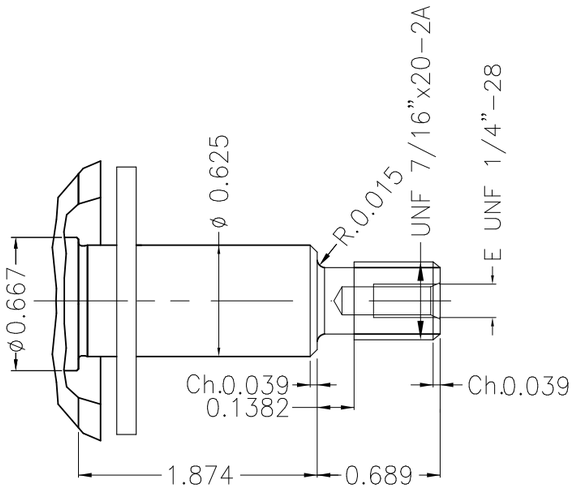
| Rev. | Changes Summary | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |

| | | | | |
|---|---|---|---|---|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 11/05/2022 | | 2 / 2 | |

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice




Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B14R(D)

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

| | | | |
|---|---|---|---|
| EXECUTED | HYBRISUSER | THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREMIER | PREVIEW |
| CHECKED | | FRAME W56J IP21 ODP | WDD 00 |
| RELEASED | | | |
| REL. DATE | | WMO Jaragua do Sul Product Engineering | SHEET 1 / 1 |

1 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

WEG's property. Forbidden reproduction without previous authorization.