# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

Customer :

| | | | |
|---|---|---|---|
| Product line | : W22 Cooling Tower NEMA Premium Efficiency Three-Phase | Product code : | 17447947 |

| | | | |
|---|---|---|---|
| Frame | : 182/4T | Locked rotor time | : 27s (cold) 15s (hot) |
| Output | : 5 HP (3.7 kW) | Temperature rise | : 80 K |
| Poles | : 4 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 200-208 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 14.9-14.3 A | Protection degree | : IP55 |
| L. R. Amperes | : 112-107 A | Cooling method | : IC411 - TEFC |
| LRC | : 7.5x(Code J) | Mounting | : F-1 |
| No load current | : 6.90-5.17 A | Rotation[1] | : Both (CW and CCW) |
| Rated speed | : 1750 rpm | Noise level[2] | : 56.0 dB(A) |
| Slip | : 2.78 % | Starting method | : Direct On Line |
| Rated torque | : 2.07 kgfm | Approx. weight[3] | : 43.0 kg |
| Locked rotor torque | : 229 % | | |
| Breakdown torque | : 300 % | | |
| Insulation class | : F | | |
| Service factor | : 1.25 | | |
| Moment of inertia (J) | : 0.0169 kgm² | | |
| Design | : B | | |

| Output | 25% | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | 0.000 | 88.5 | 89.5 | 89.5 |
| Power Factor | 0.00 | 0.60 | 0.72 | 0.80 |

| Foundation loads | |
|---|---|
| Max. traction | : 107 kgf |
| Max. compression | : 153 kgf |

Losses at normative operating points (speed;torque), in percentage of rated output power

| P1 (0,9;1,0) | P2 (0,5;1,0) | P3 (0,25;1,0) | P4 (0,9;0,5) | P5 (0,5;0,5) | P6 (0,5;0,25) | P7 (0,25;0,25) |
|---|---|---|---|---|---|---|
| 11.1 | 9.3 | 9.4 | 5.6 | 3.9 | 2.7 | 1.9 |

| | | Drive end | Non drive end |
|---|---|---|---|
| Bearing type | : | 6207 2RS | 6206 2RS |
| Sealing | : | V'Ring | V'Ring |
| Lubrication interval | : | - | - |
| Lubricant amount | : | - | - |
| Lubricant type | : | 00088 | |

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 | 02/07/2026 | | 1 / 3 | |

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# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

Customer :

**Space heater information**

Voltage: 110-127/200-240 V

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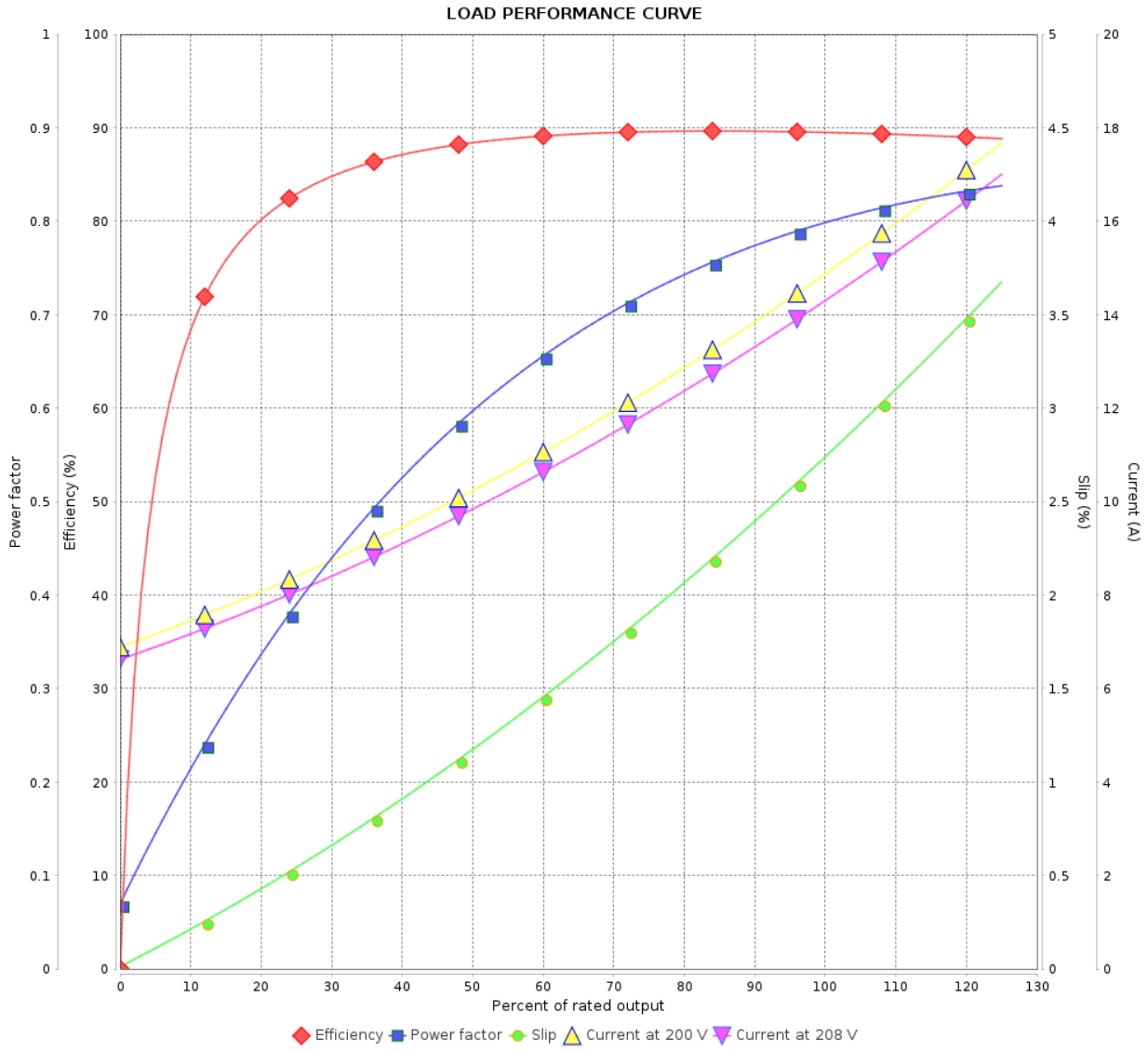
# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Cooling Tower NEMA Premium Efficiency Three-Phase

Product code : 17447947

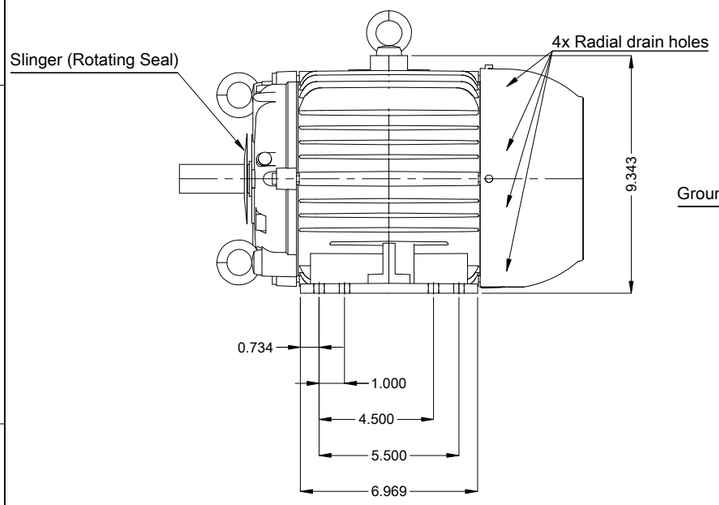


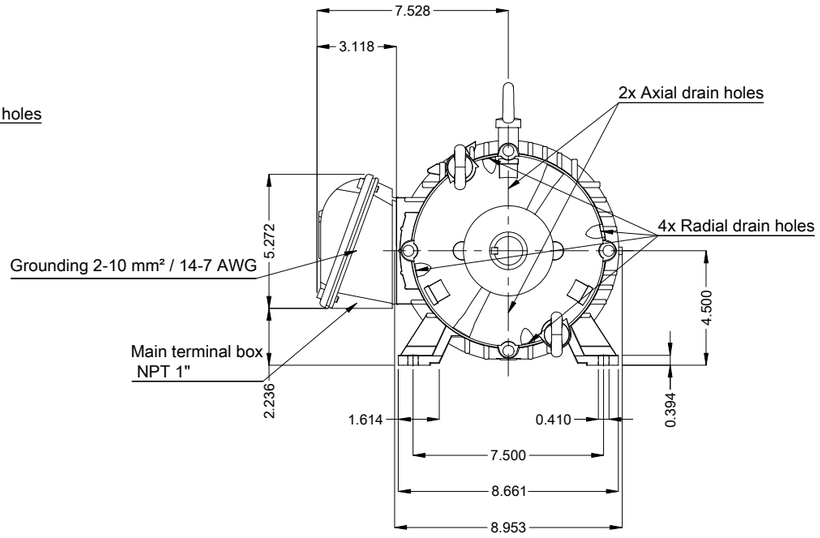

| Performance | : 200-208 V 60 Hz 4P | | |
|---|---|---|---|
| Rated current | : 14.9-14.3 A | Moment of inertia (J) | : 0.0169 kgm² |
| LRC | : 7.5 | Duty cycle | : Cont.(S1) |
| Rated torque | : 2.07 kgfm | Insulation class | : F |
| Locked rotor torque | : 229 % | Service factor | : 1.25 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 1750 rpm | Design | : B |

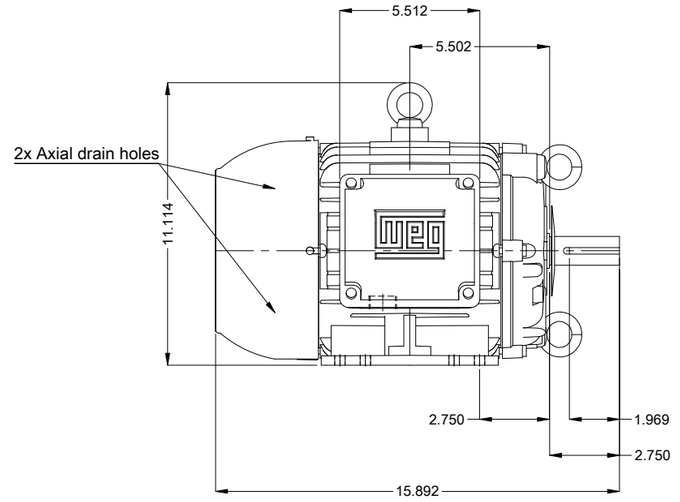
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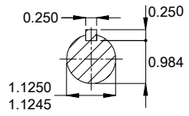
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DE Shaft End




Color RAL 5009
Painting plan 202E
Mounting NEMA F-1
Mounting B3R(D)

5 HP 04 Poles 60 Hz | A

Scale 1 : 6

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

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

THREE PH. MOTOR COOLING TOWER W22 NEMA PREM. EFF.
FRAME 182/4T IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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