

DATA SHEET

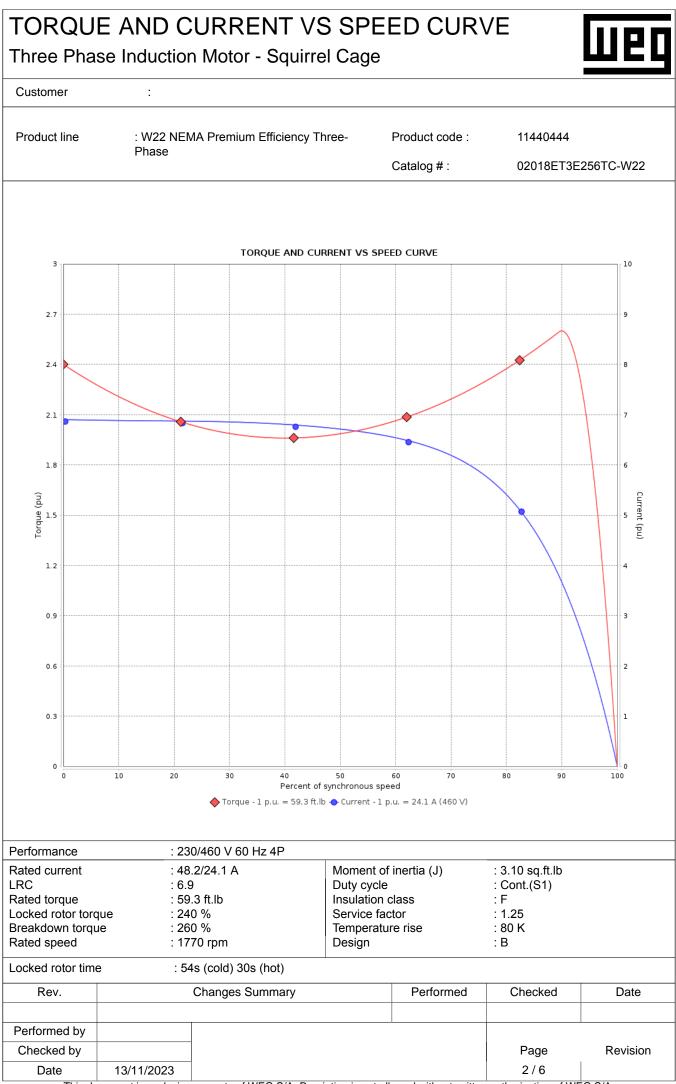
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Three Phase Induction Motor - Squirrel Cage

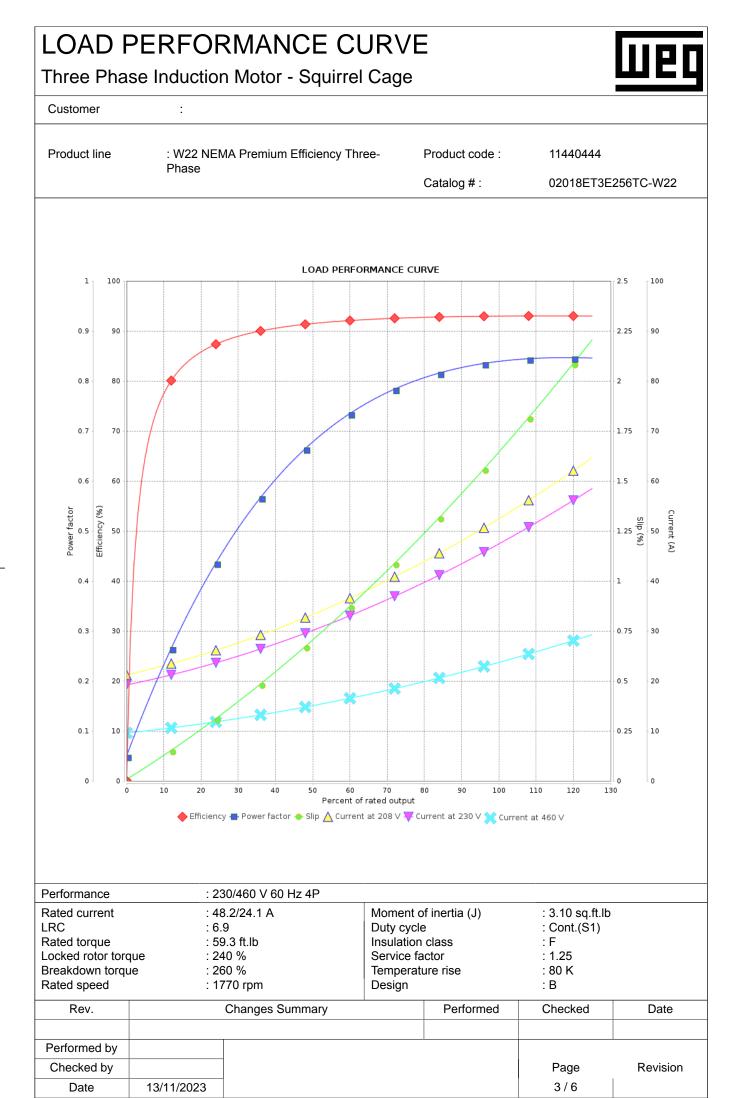


Customer

| Product line | | : W22 NEMA Premium Efficiency Three Phase | | | e- Product code : Catalog # : | | 11440444 | 11440444 | |
|--|--|---|--|--|----------------------------------|---|--|-----------------------------------|--|
| | FildSe | | | | | | 02018ET38 | 02018ET3E256TC-W22 | |
| Insulation class Service factor | | : 254/6TC : 20 HP (15 kW) : 4 : 60 Hz : 230/460 V : 48.2/24.1 A : 333/166 A : 6.9x(Code H) : 19.2/9.60 A : 1770 rpm : 1.67 % : 59.3 ft.lb : 240 % : 260 % : F : 1.25 : 3.10 sq.ft.lb : B | | Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³ | | : 80 K : Cont.(S1 : -20°C to : 1000 m.a : IP55 : IC411 - T : F-1 : Both (CV : 64.0 dB(/ | : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 64.0 dB(A) : Direct On Line | | |
| Output | 50% | 75% | 100% | | Foundat | tion loads | · | | |
| Efficiency (%) | 91.7 | 92.4 93.0 | | | Max. traction | | : 723 lb | | |
| Power Factor 0.68 | | 0.79 0.84 | | Max. compression | | : 1065 lb | | | |
| osses at normat | ive operating p | oints (spee | d:torque), i | in perce | ntage of r | ated output power | | | |
| P1 (0,9;1,0) | P2 (0,5;1,0) | | ,25;1,0) | - | ,9;0,5) | P5 (0,5;0,5) | P6 (0,5;0,25) | P7 (0,25;0,25 | |
| 7.5 | 6.4 | | | | <u>3.6</u> | 2.5 | 1.6 | 1.1 | |
| | : | | 5.8 <u>Drive end</u> 6309 C3 V'Ring | | 5.0 | <u>Non drive end</u> 6209 C3 V'Ring | | | |
| Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type | t : | | <u>Drive end</u> 6309 C3 V'Ring 20000 h 13 g | 5 | bil Polyre: | <u>Non drive end</u> 6209 C3 V'Ring 20000 h 9 g | | | |
| Sealing Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V | t : 53.3A SF 1.15 | SFA 61.3A | Drive end 6309 C3 V'Ring 20000 h 13 g | Mo | bil Polyre: | <u>Non drive end</u> 6209 C3 V'Ring 20000 h 9 g | t t t t t t t t t t t t t t t t t t t | /ith sinusoidal | |
| Sealing Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V | t : 53.3A SF 1.15 53.3A SF 1.15 53.3A SF 1.15 caces and cance aces | SFA 61.3A el the previe haft end. erance of + o changes | Drive end 6309 C3 V'Ring 20000 h 13 g | hich | bil Polyre: | Non drive end 6209 C3 V'Ring 20000 h 9 g x EM | t t t t t t t t t t t t t t t t t t t | /ith sinusoidal | |
| Sealing Lubrication interv Lubricant amoun Lubricant type Notes JSABLE @208V This revision replanust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro- (4) At 100% of ful Rev. | t : 53.3A SF 1.15 53.3A SF 1.15 53.3A SF 1.15 caces and cance aces | SFA 61.3A el the previe haft end. erance of + o changes | Drive end 6309 C3 V'Ring 20000 h 13 g | hich | bil Polyre: | Non drive end 6209 C3 V'Ring 20000 h 9 g x EM | based on tests whe tolerances stip | /ith sinusoidal ulated in NEMA | |
| Sealing Lubrication interv Lubricant amoun Lubricant type Notes JSABLE @208V This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v manufacturing pro 4) At 100% of ful | t : 53.3A SF 1.15 53.3A SF 1.15 53.3A SF 1.15 caces and cance aces | SFA 61.3A el the previe haft end. erance of + o changes | Drive end 6309 C3 V'Ring 20000 h 13 g | hich | bil Polyre: | Non drive end 6209 C3 V'Ring 20000 h 9 g x EM | based on tests whe tolerances stip | /ith sinusoidal ulated in NEMA | |



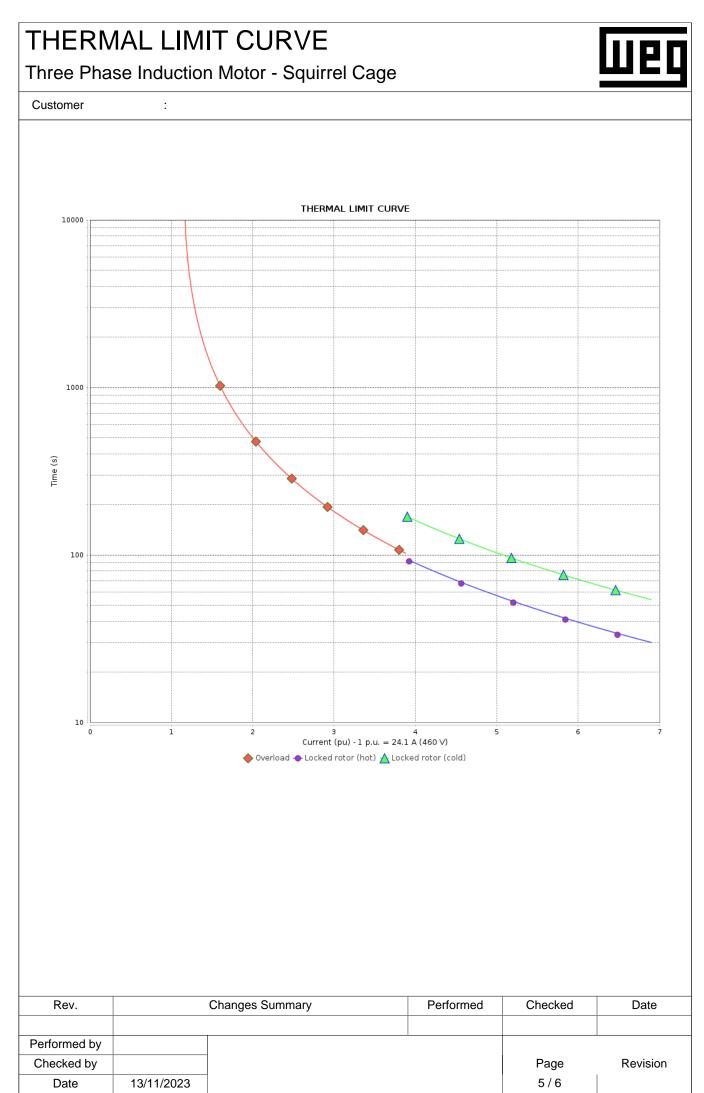
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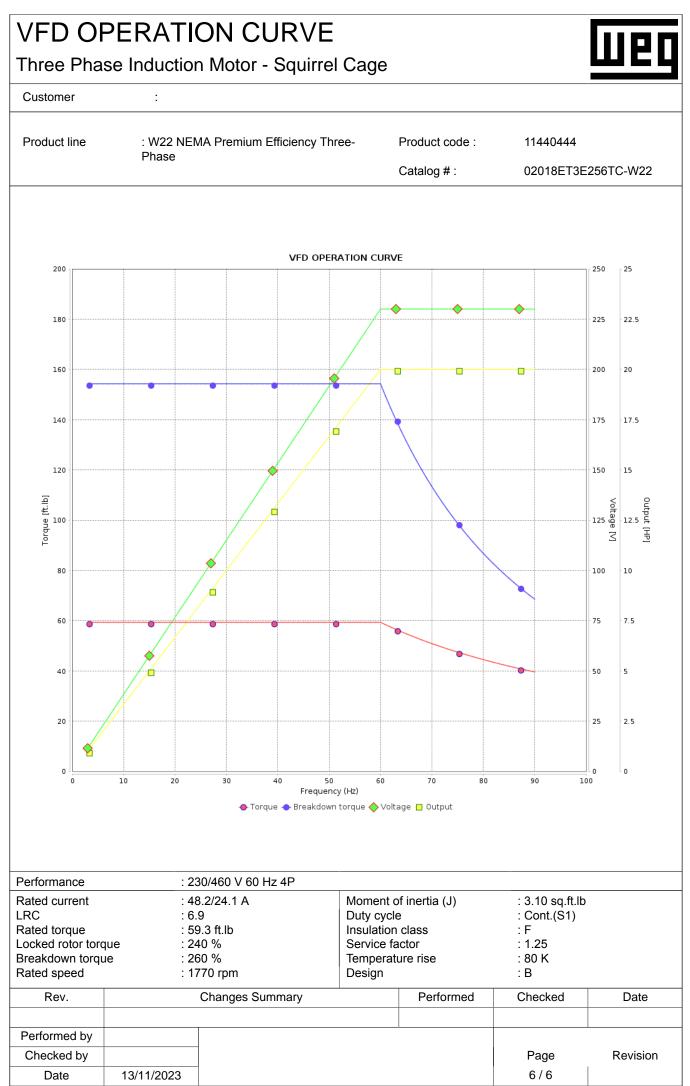
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| THERMAL LIMIT CURVE | | | | | | |
|--|--------------------|--------------------------------|---|----------------|---|----------|
| Three Pha | se Induction | n Motor - Squirrel | Cage | | | |
| Customer | : | | | | | |
| Product line | : W22 NEI Phase | IEMA Premium Efficiency Three- | | Product code : | 11440444 | |
| | | | | Catalog # : | 02018ET3E2 | 56TC-W22 |
| | | | | | | |
| Performance | : 2 | 30/460 V 60 Hz 4P | | | | |
| Rated current: 48.2/24.1 ALRC: 6.9Rated torque: 59.3 ft.lbLocked rotor torque: 240 % | | .9 9.3 ft.lb | Moment of inertia (J) Duty cycle Insulation class Service factor | | : 3.10 sq.ft.lb : Cont.(S1) : F : 1.25 | |
| Breakdown torque : 260 % Rated speed : 1770 rpm | | | Temperature rise Design | | : 80 K : B | |
| Heating constant | | | | | | |
| Cooling constant Rev. | | Changes Summary | | Performed | Checked | Date |
| | | | | . chomiou | | 24.0 |
| Performed by | | _ | | I | | |
| Checked by Date | 13/11/2023 | - | | | Page 4 / 6 | Revision |

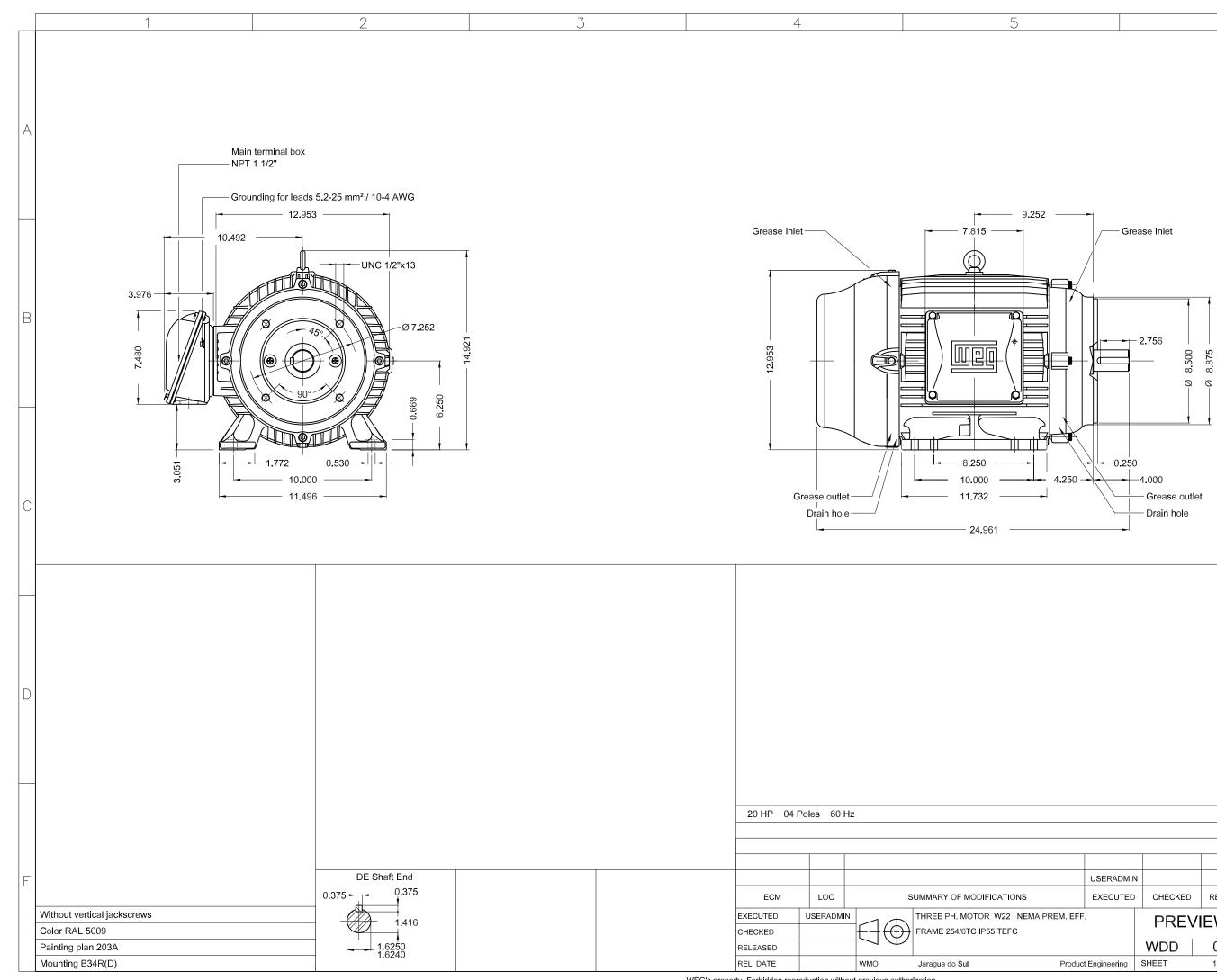
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| Produc | t Engineering | SHEET | 1 / 1 | | | XME |
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