DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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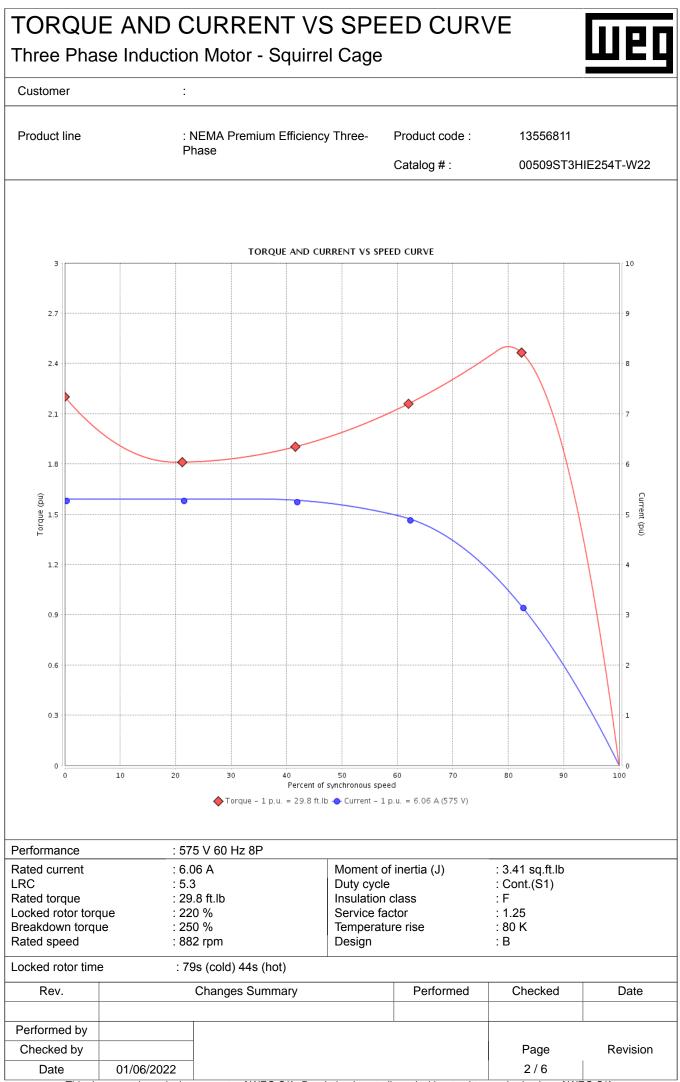
Customer

| Product line | | : NEN Phas | | m Efficiency ٦ | Three- | Product code : | 13556811 | |
|--|---|--|--|--------------------------|--|--|--|---|
| | | 1 1145 | . | | | Catalog # : | 00509ST3H | HE254T-W22 |
| Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque | | : 8 : 60 H : 575 : 6.06 : 32.1 : 5.3x : 3.60 : 882 : 2.00 : 29.8 : 220 : 220 : 250 | P (3.7 kW) Hz V A A (Code H) A rpm 0 % 3 ft.lb % | | Temper Duty cy Ambien Altitude Protect Cooling Mountin Rotatio Noise k Starting | it temperature ion degree j method ng n ¹ | : 79s (cold : 80 K : Cont.(S1) : -20°C to - : 1000 m.a : IP55 : IC411 - T : F-1 : Both (CW : 54.0 dB(A : Direct On : 260 lb |) +40°C s.l. EFC / and CCW) A) |
| Insulation class Service factor Moment of inerti Design | a (J) | : F : 1.25 : 3.41 : B | 5 I sq.ft.lb | | | | | |
| Output | 25% | 50% | 75% | 100% | Foundatio | on loads | | |
| Efficiency (%) | 85.2 | 85.5 | 87.5 | 87.5 | Max. trac | | : 227 lb | |
| Power Factor | 0.28 | 0.49 | 0.62 | 0.70 | Max. com | pression | : 487 lb | |
| Bearing type Sealing Lubrication inter Lubricant amour | | : | Inpr | 09 C3 o/Seal 000 h | | 6209 C3 Inpro/Seal 20000 h | | |
| Lubricant type | 11 | | 1 | I3 g Mo | bil Polyrex | 9 g | | |
| This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu | aces and c ed. notor from t 1m and with weight subj ocess. | he shaft e h toleranc | previous o end. e of +3dB(/ | ne, which | These ar | 9 g | | |
| Lubricant type Notes This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate manufacturing pr 4) At 100% of fu | aces and c ed. notor from t 1m and with weight subj ocess. | the shaft e h toleranc ject to cha | previous o end. e of +3dB(<i>i</i> inges after | ne, which A). | These ar | 9 g EM | e tolerances stip | ulated in NEMA |
| Lubricant type Notes This revision repl nust be eliminate 1) Looking the m 2) Measured at 7 3) Approximate v nanufacturing pr | aces and c ed. notor from t 1m and with weight subj ocess. | the shaft e h toleranc ject to cha | previous o end. e of +3dB(/ | ne, which A). | These ar | 9 g EM | | |
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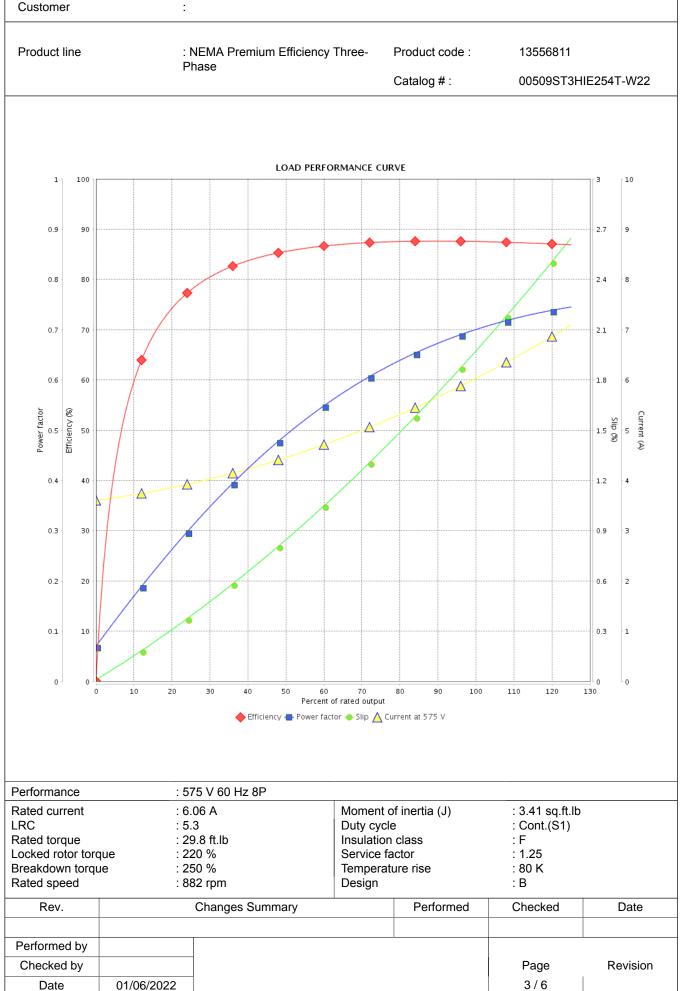


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



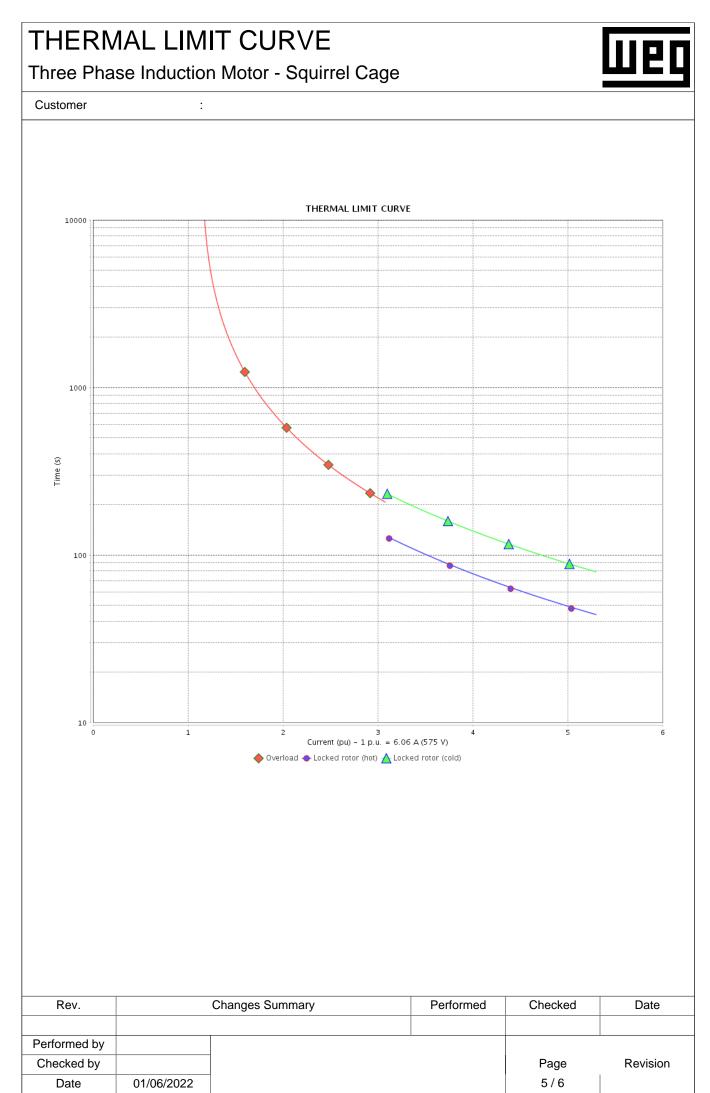
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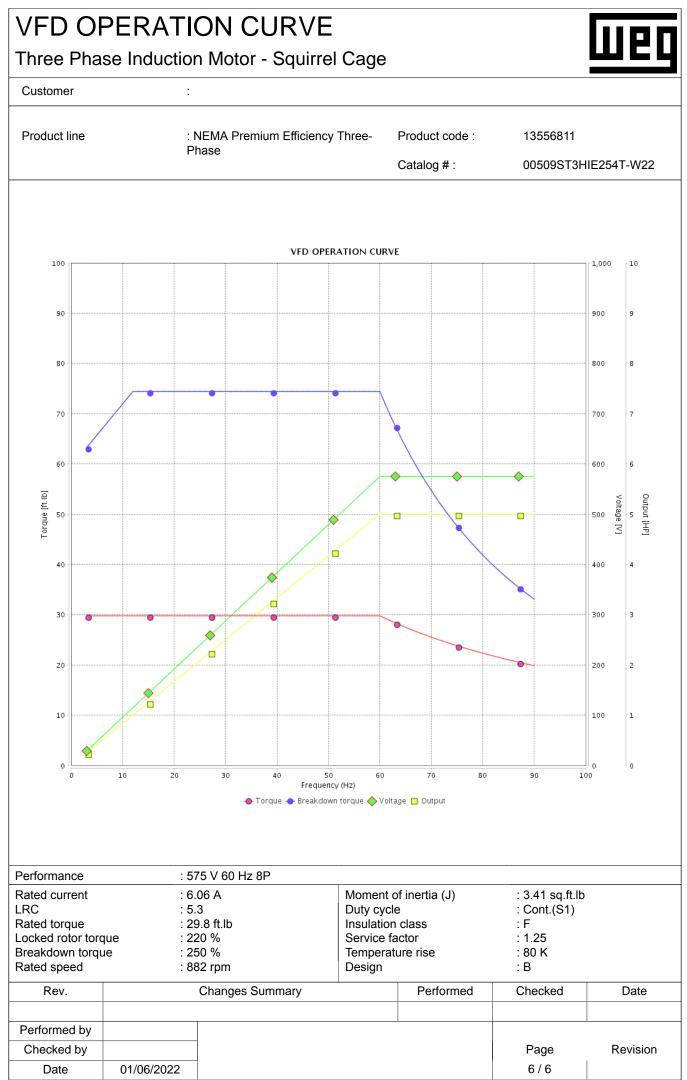
| THERMAL LI | MIT CURVE | | Шео |
|-------------------|---|----------------|---------------------|
| Three Phase Induc | tion Motor - Squirrel Cage | ļ | шсч |
| Customer | : | | |
| Product line | : NEMA Premium Efficiency Three- Phase | Product code : | 13556811 |
| | T Hubb | Catalog # : | 00509ST3HIE254T-W22 |
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| Performance | : | 575 V 60 Hz 8P | | | | |
|---|----------------------|--|------------------|----------------------|---|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque | | : 5.3 Duty of : 29.8 ft.lb Insula : 220 % Servior : 250 % Tempor | | class | : 3.41 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K | |
| Rated speed : 882 r | | 882 rpm | Design | | : B | |
| Heating constant | t | | | | | |
| Cooling constant | t | | | | | |
| Rev. | Changes Summary | | | Performed | Checked | Date |
| | | | | | | |
| Performed by | | | | | | |
| Checked by | | | | | Page | Revision |
| Date | 01/06/2022 | | | | 4 / 6 | |
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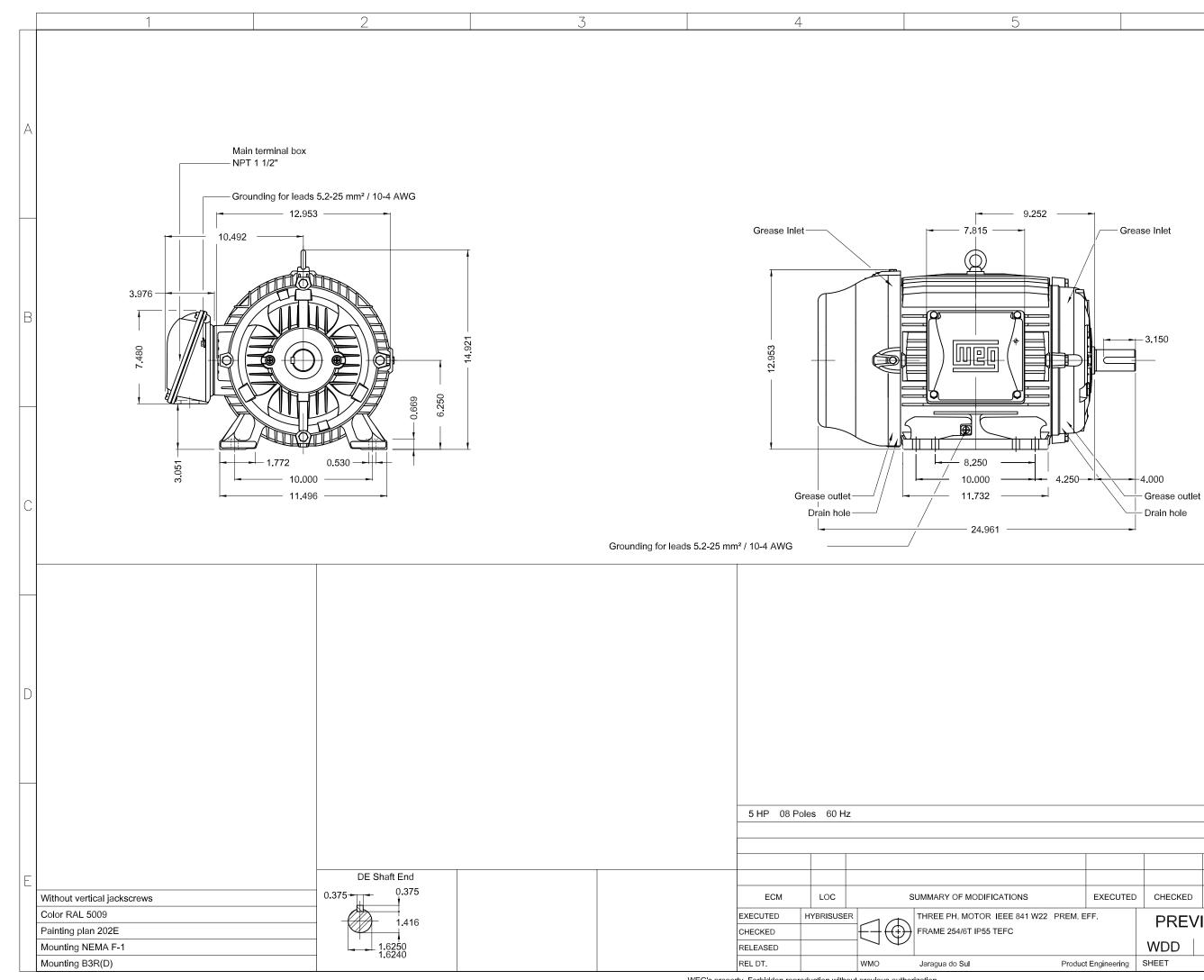
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| Product Engineering | | SHEET | 1 / 1 | | | XME |
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