DATA SHEET

Three Phase Induction Motor - Squirrel Cage

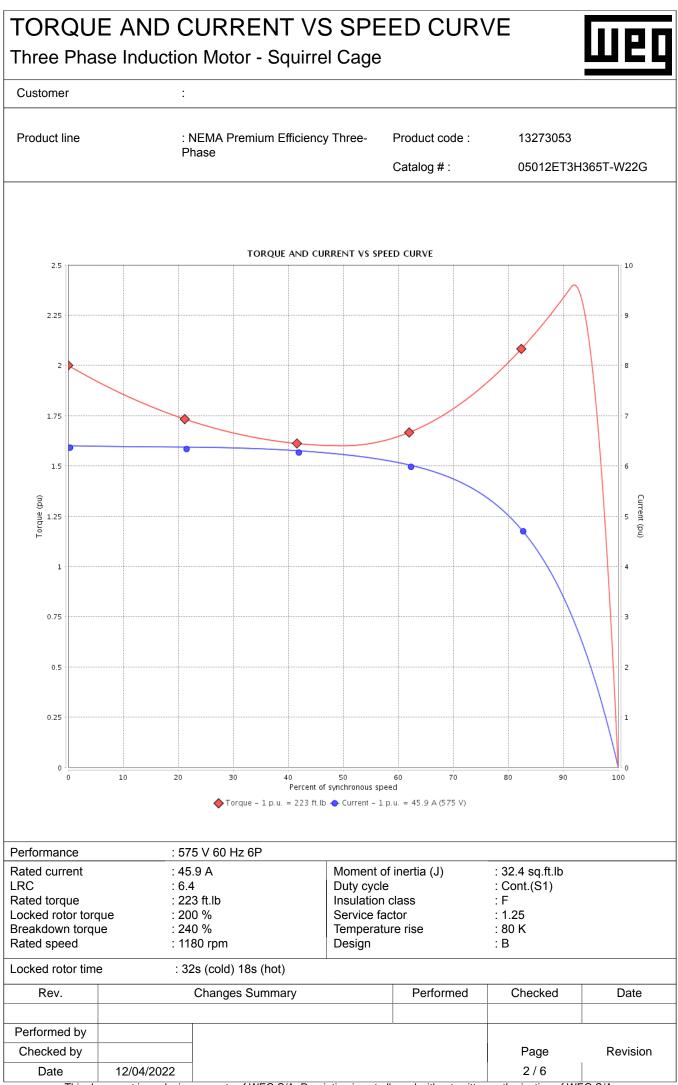
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Customer

| | | : NEMA Premium Efficiency T Phase | | | hree- | Product code : | 13273053 | 13273053 | |
|---|---|---|--|------------------|--|---|--|---|--|
| | | | | | | Catalog # : | 05012ET3H | H365T-W22G | |
| Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor Moment of inerti Design | ue | : 6 : 60 F : 575 : 45.9 : 294 : 6.4x : 16.0 : 1180 : 1.67 : 223 : 200 : 240 : F : 1.25 | HP (37 kW) Hz A A (Code G) A 0 rpm 7 % ft.lb % % | | Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise k Starting | t temperature ion degree method ng n ¹ | : 32s (cold : 80 K : Cont.(S1) : -20°C to - : 1000 m.a : IP55 : IC411 - T : F-1 : Both (CW : 66.0 dB(A : Direct On : 869 lb |) +40°C u.s.l. EFC / and CCW) A) | |
| Output | 25% | 50% | 75% | 100% | Foundatio | on loads | ····· | | |
| Efficiency (%) | 93.4 | 93.6 | 94.1 | 94.1 | Max. trac | tion | : 1393 lb | | |
| | nt | : | 2 | 27 g Mo | bil Polyrex | 27 g EM | | | |
| Lubricant type | | : | 2 | | bil Polyrex | | | | |
| Lubricant type Notes This revision rep nust be eliminate 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr | laces and c ed. notor from t 1m and wit weight sub rocess. | the shaft e h toleranc | previous o end. e of +3dB(/ | ne, which | These ar | EM Te average values | s based on tests w he tolerances stipt | | |
| Lubricant amoun Lubricant type Notes This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu | laces and c ed. notor from t 1m and wit weight sub rocess. | the shaft e h toleranc ject to cha | previous o end. e of +3dB(<i>i</i> anges after | ne, which A). | These ar | EM re average values upply, subject to th | ne tolerances stip | ulated in NEMA | |
| Lubricant type Notes This revision rep nust be eliminate 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr | laces and c ed. notor from t 1m and wit weight sub rocess. | the shaft e h toleranc ject to cha | previous o end. e of +3dB(/ | ne, which A). | These ar | EM Te average values | | | |
| Lubricant type Notes This revision rep nust be eliminate 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu | laces and c ed. notor from t 1m and wit weight sub rocess. | the shaft e h toleranc ject to cha | previous o end. e of +3dB(<i>i</i> anges after | ne, which A). | These ar | EM re average values upply, subject to th | ne tolerances stip | ulated in NEMA | |
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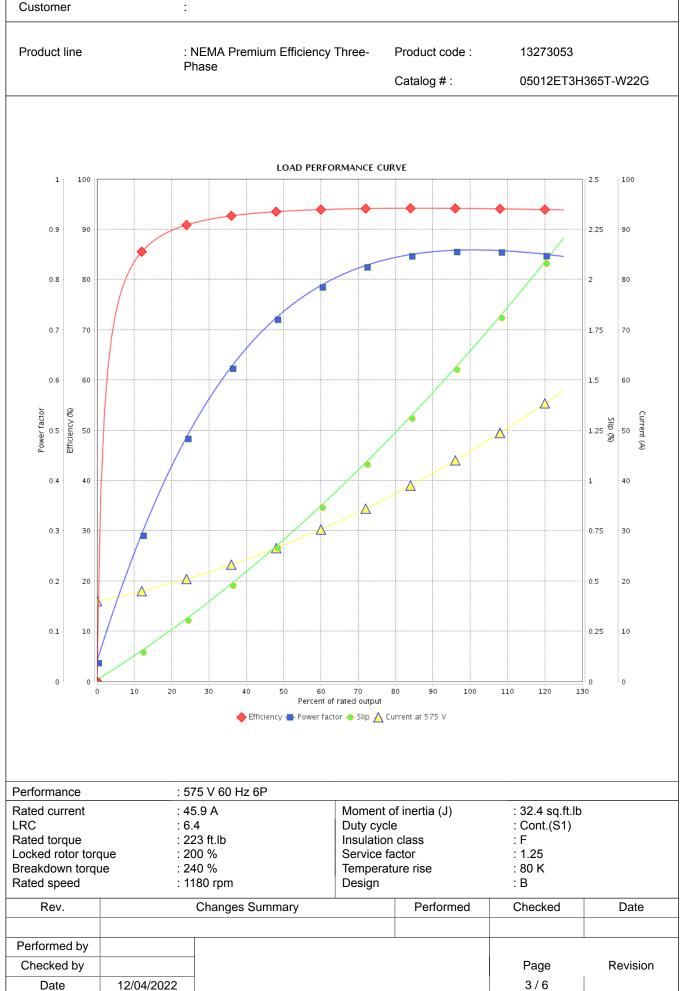


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

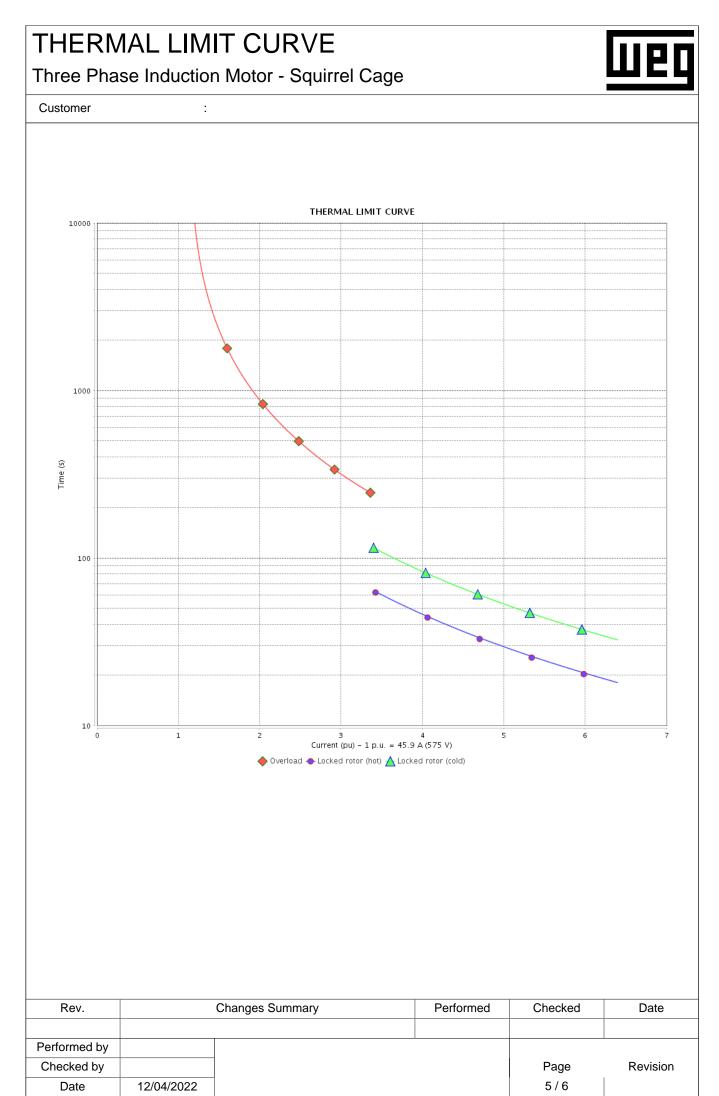
Customer



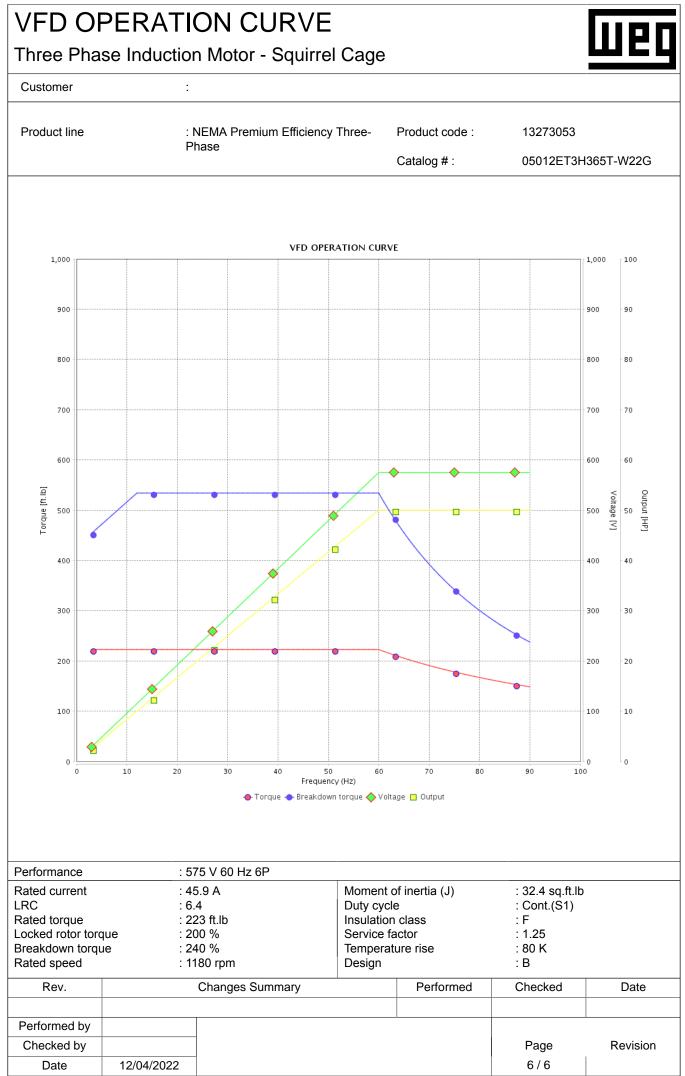
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| | THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage | | | | | |
|--------------|---|----------------|--------------------|--|--|--|
| Customer | : | | | | | |
| Product line | : NEMA Premium Efficiency Three- | Product code : | 13273053 | | | |
| | Phase | Catalog # : | 05012ET3H365T-W22G | | | |
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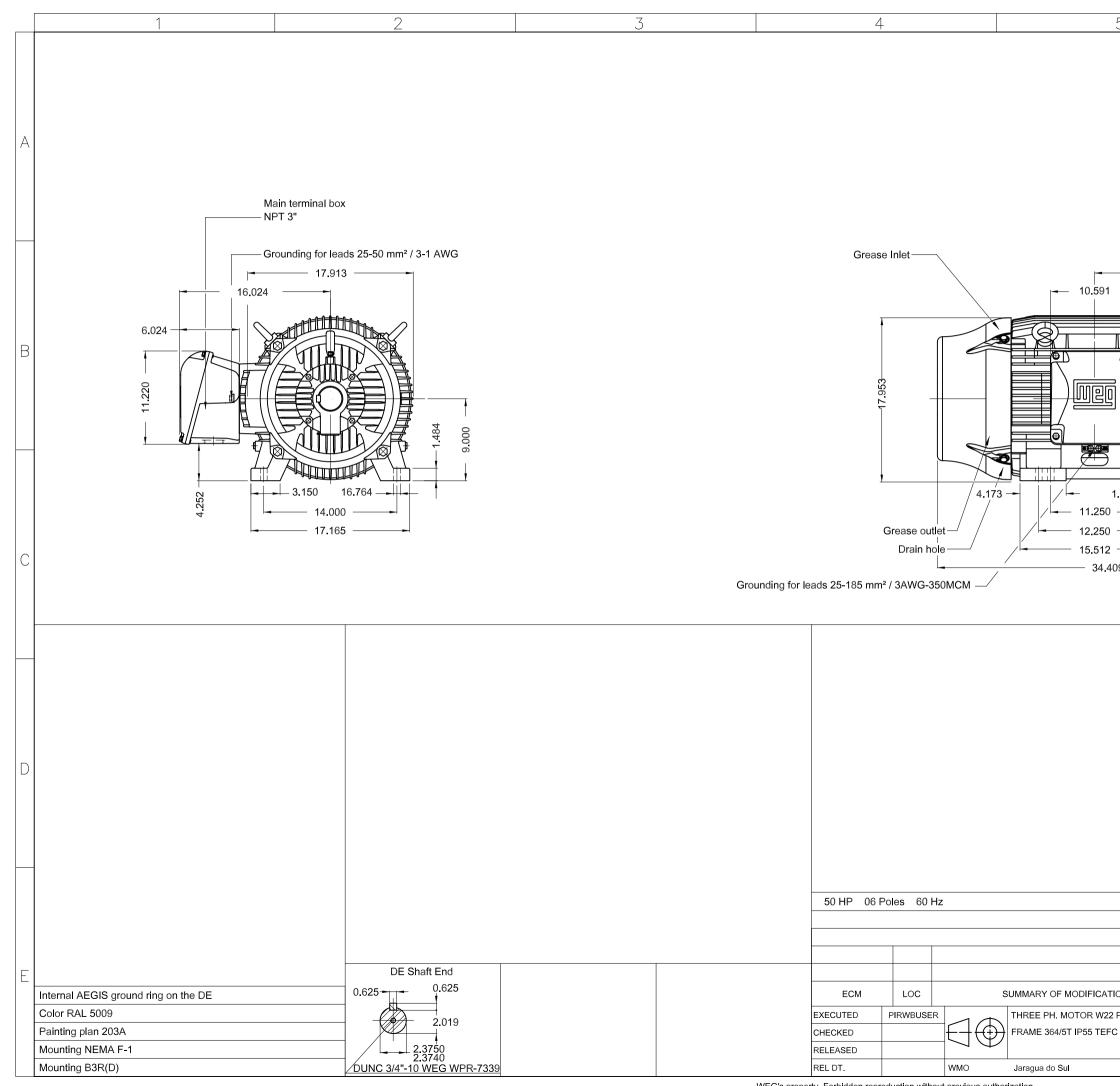
| Performance | : | 575 V 60 Hz 6P | | | | | |
|-------------------|------------------|----------------------------|----------------------|-----------------------|---------------------|--------------------------------|--|
| Rated current | | 45.9 A | Moment of | Moment of inertia (J) | | | |
| LRC | : | : 6.4 | | Duty cycle | | : 32.4 sq.ft.lb : Cont.(S1) | |
| Rated torque | rque : 223 ft.lb | | Insulation class | | : F | | |
| Locked rotor toro | ue | : 200 % | | Service factor | | : 1.25 | |
| Breakdown torqu | 1 | | Temperature rise | | : 80 K | | |
| Rated speed | • | | Design | | : B | | |
| Heating constant | | | | | | | |
| Cooling constant | | | | | | | |
| Rev. | | Changes Summary | | Performed | Checked | Date | |
| | | | | | | | |
| Performed by | | | | | | | |
| Checked by | | | | | Page | Revision | |
| Date | 12/04/2022 | | | | 4 / 6 | | |
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| Product Engineering SHEET 1 / 1 | Product | Engineering | SHEET | 1 / 1 | | |