## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

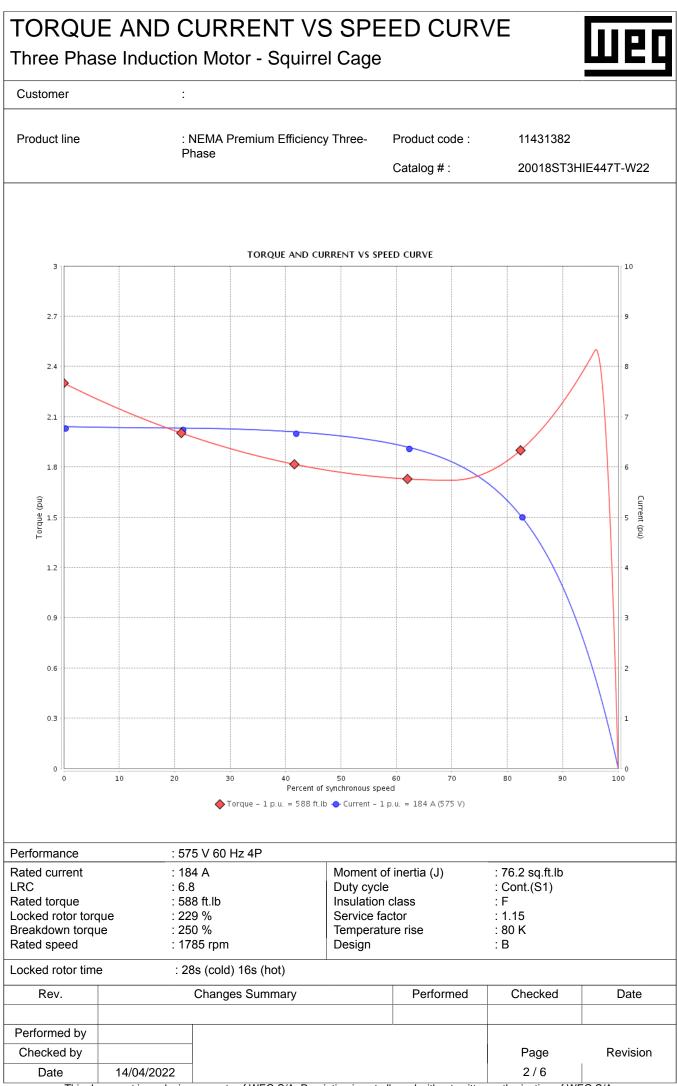
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## Customer

|   |  | : NEMA Premium Efficiency T<br>Phase   |  |                                | Three- Product code :   |  | 11431362  | 11431382                                       |  |
|---|--|--|--|--------------------------------|---|--|---|--|--|
|   |  |  |  |                                |   | Catalog # :  | 20018ST3F   | 1IE447T-W22                                    |  |
| Frame<br>Output<br>Poles<br>Frequency<br>Rated voltage<br>Rated current<br>L. R. Amperes<br>LRC<br>No load current<br>Rated speed<br>Slip<br>Rated torque<br>Locked rotor torqu<br>Breakdown torqu<br>Insulation class<br>Service factor<br>Moment of inertia | ie   | : 4<br>: 60 F<br>: 575<br>: 184<br>: 125<br>: 6.8<br>: 56.0<br>: 178<br>: 0.83<br>: 588<br>: 229<br>: 250<br>: F<br>: 1.15 | HP (150 k<br>Hz<br>A<br>1 A<br>((Code G)<br>) A<br>5 rpm<br>3 %<br>ft.lb<br>%<br>% | :W)                            | Temper<br>Duty cy<br>Ambien<br>Altitude<br>Protecti<br>Cooling<br>Mountir<br>Rotation<br>Noise le<br>Starting | t temperature<br>on degree<br>method<br>ng<br>n <sup>1</sup> | : 28s (cold)<br>: 80 K<br>: Cont.(S1)<br>: -20°C to +<br>: 1000 m.a<br>: IP55<br>: IC411 - TI<br>: F-1<br>: Both (CW<br>: 73.0 dB(A<br>: Direct On<br>: 2313 lb | )<br>+40°C<br>.s.l.<br>EFC<br>/ and CCW)<br>\) |  |
| Design  | a (J)  | : 70.2<br>: B  | 2 sq.ft.lb   |                                |   |  |   |  |  |
| Dutput  | 25%  | 50%  | 75%  | 100%                           | Foundatio   | on loads   | · · · · · · · · · · · · · · · · · · ·   |  |  |
| fficiency (%)   | 95.7   | 95.8   | 96.2   | 96.2                           | Max. trac   | tion   | : 2765 lb   |  |  |
| ower Factor   | 0.50   | 0.73   | 0.82   | 0.85                           | Max. com  | pression   | : 5078 lb   |  |  |
| Sealing<br>_ubrication inter\<br>_ubricant amoun<br>_ubricant type  |  |  | 8  | ro/Seal<br>000 h<br>45 g<br>Mo | bil Polyrex   | Inpro/Seal<br>10000 h<br>34 g<br>EM                          |   |  |  |
| Notes   |  |  |  |                                |   |  |   |  |  |
| This revision replanust be eliminate<br>1) Looking the m<br>2) Measured at 1<br>3) Approximate v<br>nanufacturing pro<br>4) At 100% of ful  | ed.<br>otor from<br>Im and wit<br>weight sub<br>ocess. | the shaft e<br>th toleranc<br>ject to cha  | end.<br>e of +3dB(<br>inges after  | A).                            |   | pply, subject to th  | e based on tests w<br>ne tolerances stipu   | ulated in NEMA                                 |  |
| This revision replanust be eliminate<br>1) Looking the m<br>2) Measured at 1<br>3) Approximate v  | ed.<br>otor from<br>Im and wit<br>weight sub<br>ocess. | the shaft e<br>th toleranc<br>ject to cha  | end.<br>e of +3dB(   | A).                            | power su  | •  |   |  |  |
| This revision replanust be eliminate<br>1) Looking the m<br>2) Measured at 1<br>3) Approximate v<br>nanufacturing pro<br>4) At 100% of ful<br>Rev.  | ed.<br>otor from<br>Im and wit<br>weight sub<br>ocess. | the shaft e<br>th toleranc<br>ject to cha  | end.<br>e of +3dB(<br>inges after  | A).                            | power su  | pply, subject to th  | ne tolerances stipu   | ulated in NEMA                                 |  |
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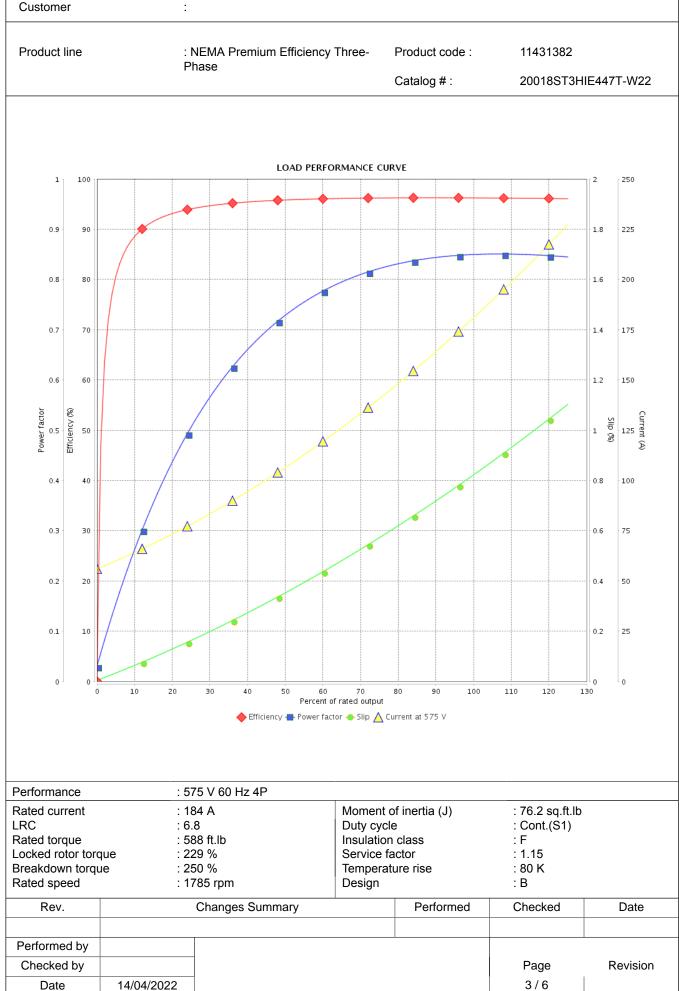


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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer

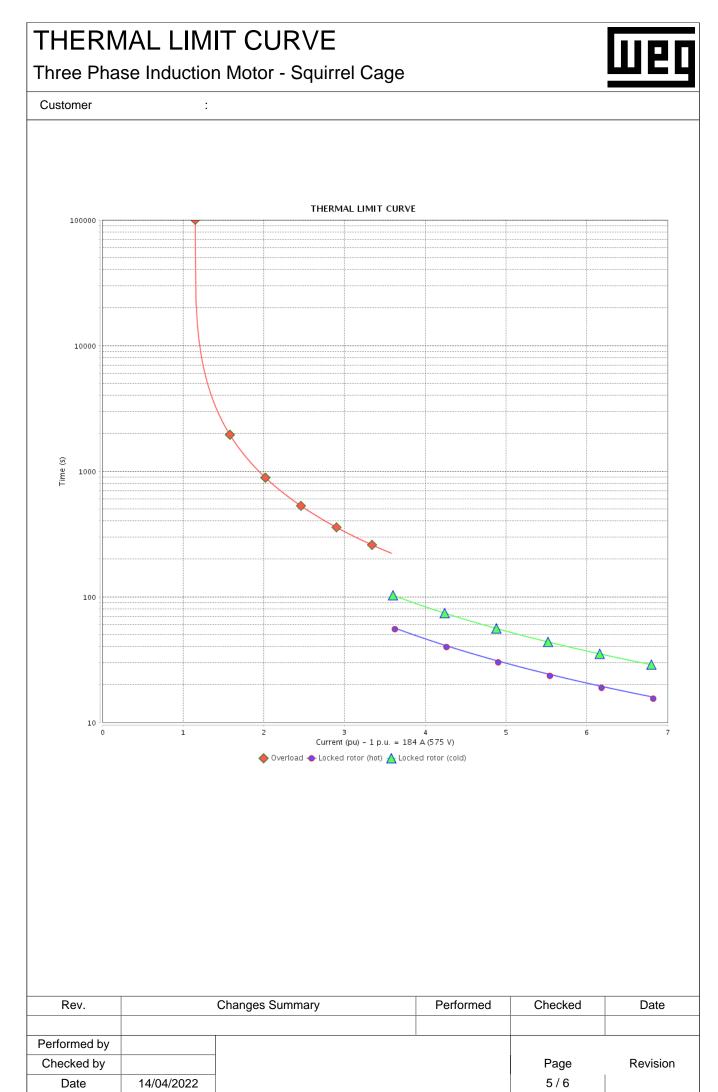


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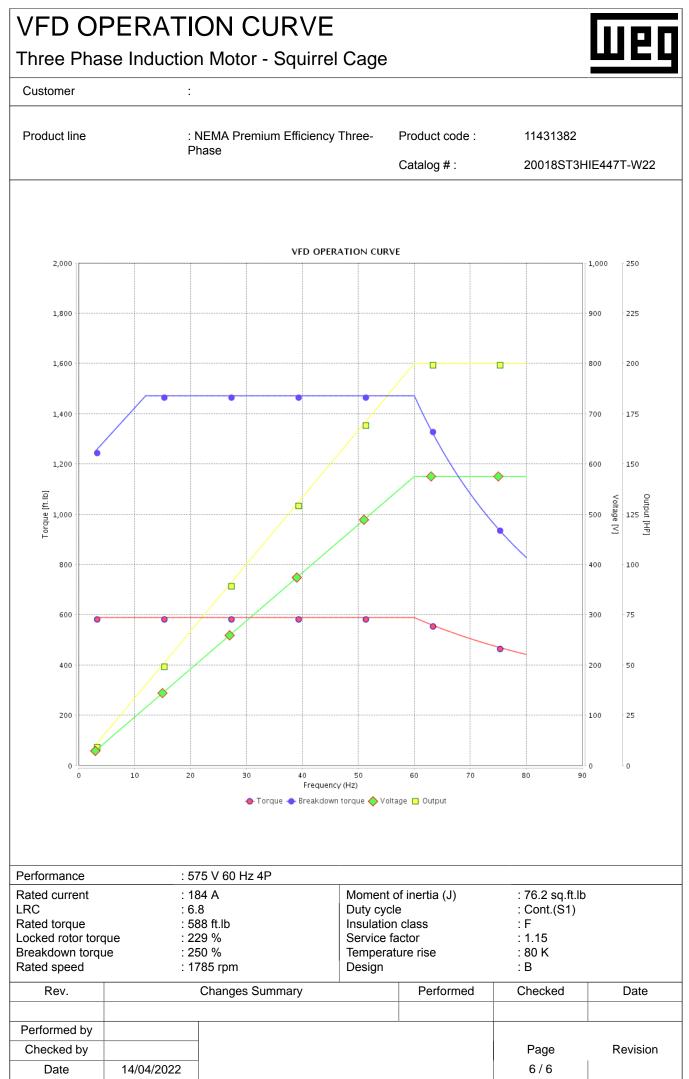
| THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage |   |                               |                                 |  |  |  |
|---|---|-------------------------------|---------------------------------|--|--|--|
| Customer  | :   |                               |                                 |  |  |  |
| Product line  | : NEMA Premium Efficiency Three-<br>Phase | Product code :<br>Catalog # : | 11431382<br>20018ST3HIE447T-W22 |  |  |  |
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| : 76.2 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.15<br>: 80 K<br>: B |  |
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| Date   |  |
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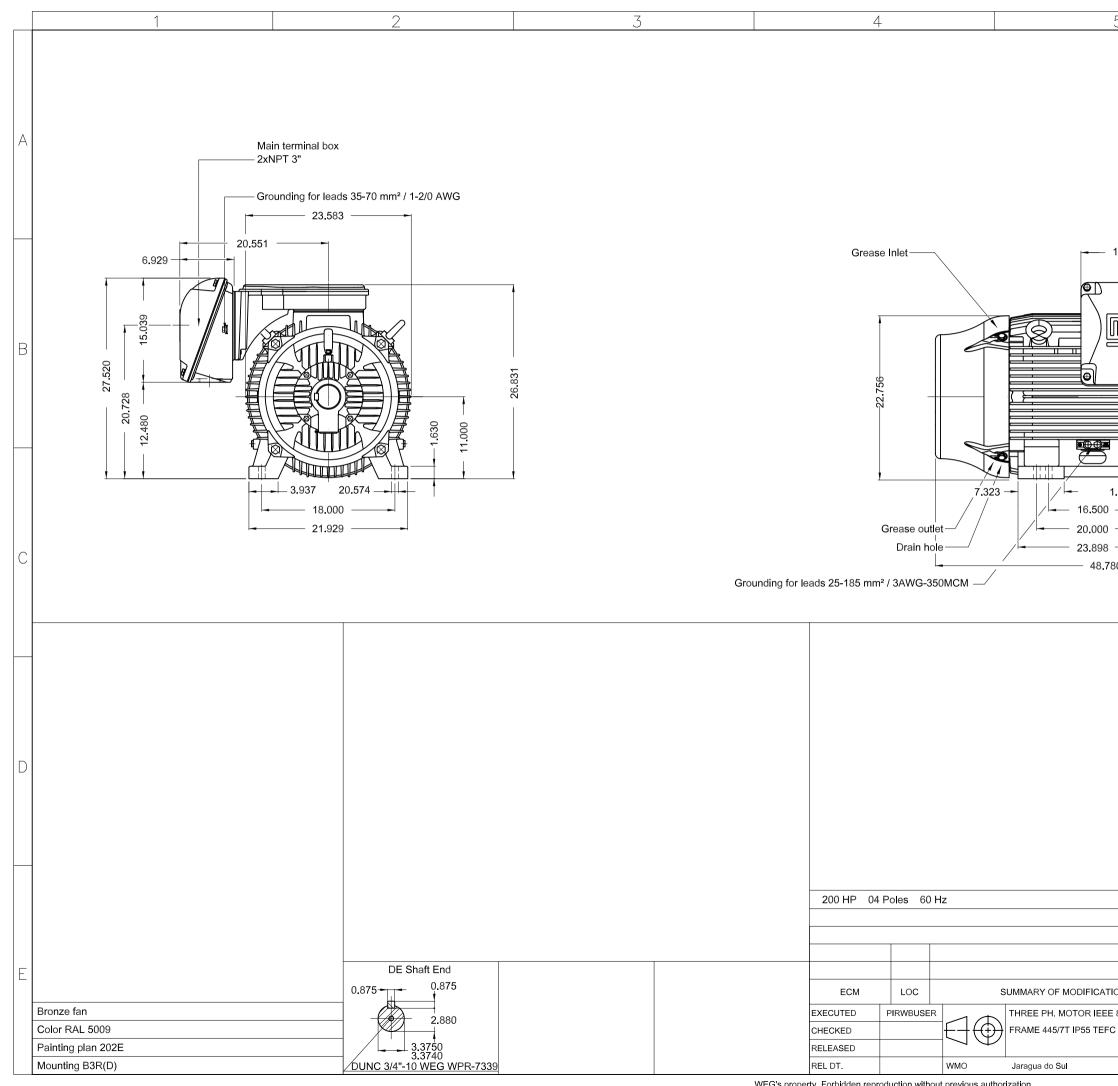
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