## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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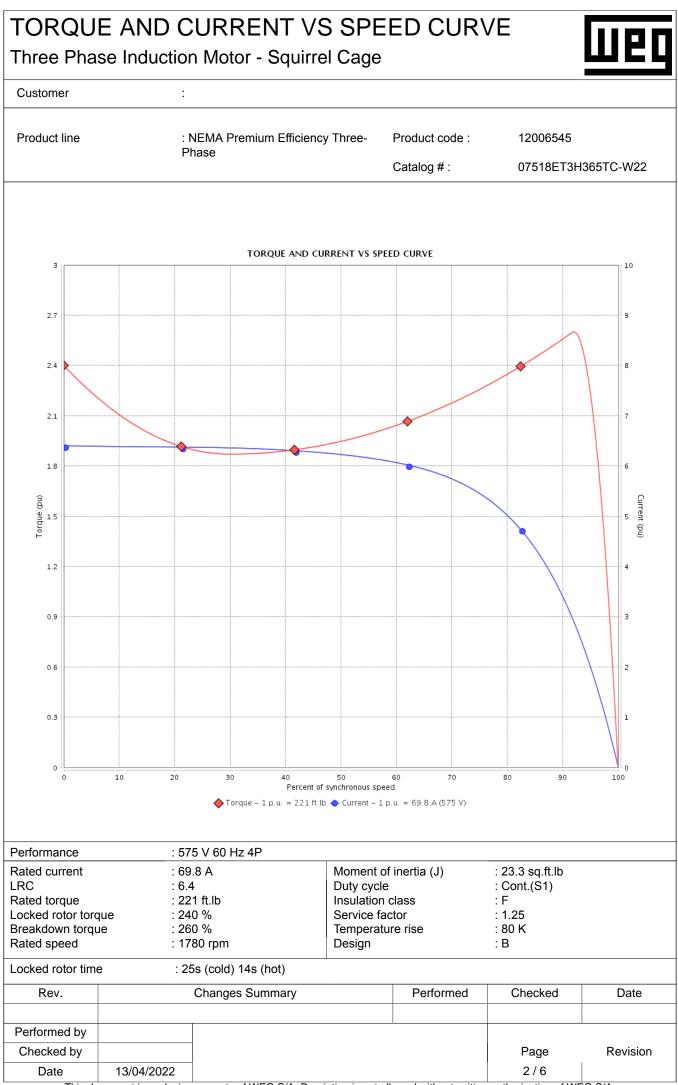
## Customer

|  |   | : NEMA Premium Efficiency T<br>Phase                         |  |   | Three-   | Product code :   | 12006545   | 12006545                                       |  |
|--|---|--|--|---|--|--|--|--|--|
|  |   |  |  |   | (  | Catalog # :  | 07518ET3F  | 1365TC-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 |   | : 4<br>: 60 F<br>: 575<br>: 69.8<br>: 446<br>: 6.4<br>: 26.4 | HP (55 kW)<br>Hz<br>A<br>A<br>(Code G)<br>4 A<br>0 rpm<br>W<br>ft.lb<br>%<br>% | )   | Tempera<br>Duty cy<br>Ambien<br>Altitude<br>Protecti<br>Cooling<br>Mountin<br>Rotation<br>Noise le | t temperature<br>on degree<br>method<br>g<br>1 <sup>1</sup><br>evel <sup>2</sup><br>method | : 25s (cold<br>: 80 K<br>: Cont.(S1)<br>: -20°C to -<br>: 1000 m.a<br>: IP55<br>: IC411 - T<br>: F-1<br>: Both (CW<br>: 67.0 dB(A<br>: Direct On<br>: 946 lb | )<br>+40°C<br>.s.l.<br>EFC<br>/ and CCW)<br>A) |  |
| Moment of inertian Design  | a (J)   |  | 3 sq.ft.lb   |   |  |  |  |  |  |
| Output   | 25%   | 50%  | 75%  | 100%                                      | Foundatio  | on loads   |  |  |  |
| Efficiency (%)   | 94.0  | 94.5   | 95.0   | 95.4                                      | Max. tract   |  | : 1496 lb  |  |  |
| Power Factor   | 0.44  | 0.68   | 0.78   | 0.83                                      | Max. com   |  | : 2442 lb  |  |  |
| Bearing type<br>Sealing  |   |  |  | 14 C3<br>VSeal                            |  | 6314 C3<br>WSeal   |  |  |  |
| Lubrication inter<br>Lubricant amour<br>Lubricant type<br>Notes  |   |  | 12   | 2000 h<br>27 g                            | bil Polyrex I  | 12000 h<br>27 g  |  |  |  |
| Lubrication inter<br>Lubricant amour<br>Lubricant type   | aces and o<br>ed.<br>lotor from<br>Im and wit<br>weight sub<br>ocess. | the shaft e<br>th toleranc<br>ject to cha                    | previous o<br>end.<br>e of +3dB(   | 2000 h<br>27 g<br>Mo<br>one, which<br>A). | These are  | 12000 h<br>27 g  |  |  |  |
| Lubrication inter-<br>Lubricant amour<br>Lubricant type<br>Notes<br>This revision repl<br>nust be eliminate<br>1) Looking the m<br>2) Measured at 7<br>3) Approximate v<br>nanufacturing pr<br>4) At 100% of fu<br>Rev.                  | aces and o<br>ed.<br>lotor from<br>Im and wit<br>weight sub<br>ocess. | the shaft e<br>th toleranc<br>ject to cha                    | 12<br>previous o<br>end.<br>e of +3dB(<br>anges after                          | 2000 h<br>27 g<br>Mo<br>one, which<br>A). | These are power su   | 12000 h<br>27 g<br>EM<br>e average values<br>pply, subject to th                           | e tolerances stip  | ulated in NEM                                  |  |
| Lubrication inter-<br>Lubricant amour<br>Lubricant type<br>Notes<br>Notes<br>This revision repl<br>nust be eliminate<br>1) Looking the m<br>2) Measured at 7<br>3) Approximate m<br>anufacturing pr<br>4) At 100% of fu                  | aces and o<br>ed.<br>lotor from<br>Im and wit<br>weight sub<br>ocess. | the shaft e<br>th toleranc<br>ject to cha                    | 12<br>previous o<br>end.<br>e of +3dB(<br>anges after                          | 2000 h<br>27 g<br>Mo<br>one, which<br>A). | These are power su   | 12000 h<br>27 g<br>EM<br>e average values<br>pply, subject to th                           | e tolerances stip  | ulated in NEM                                  |  |

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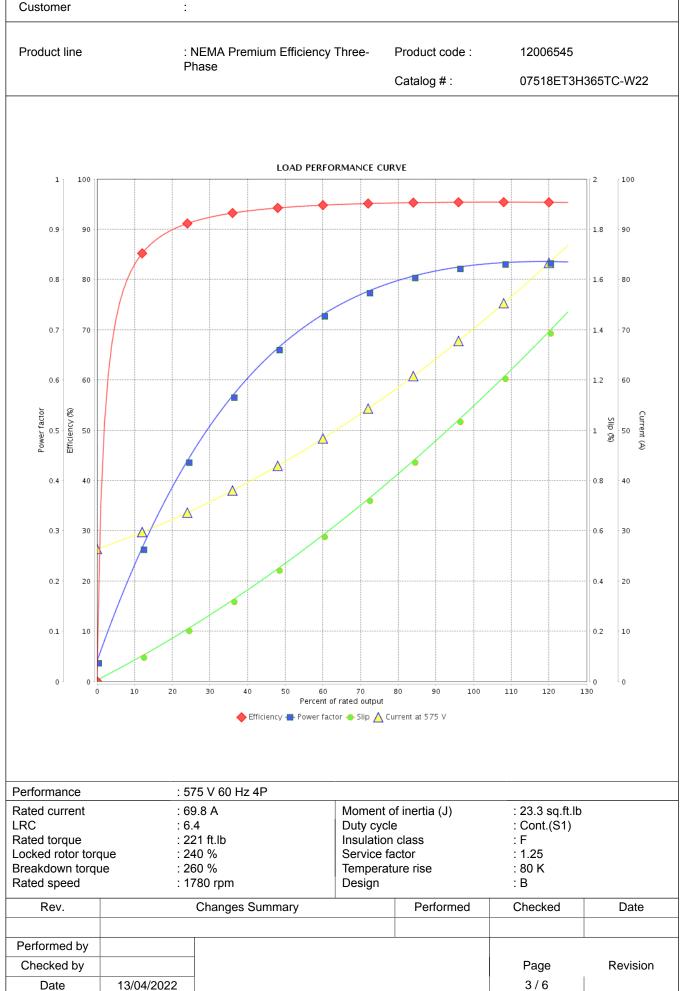


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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer



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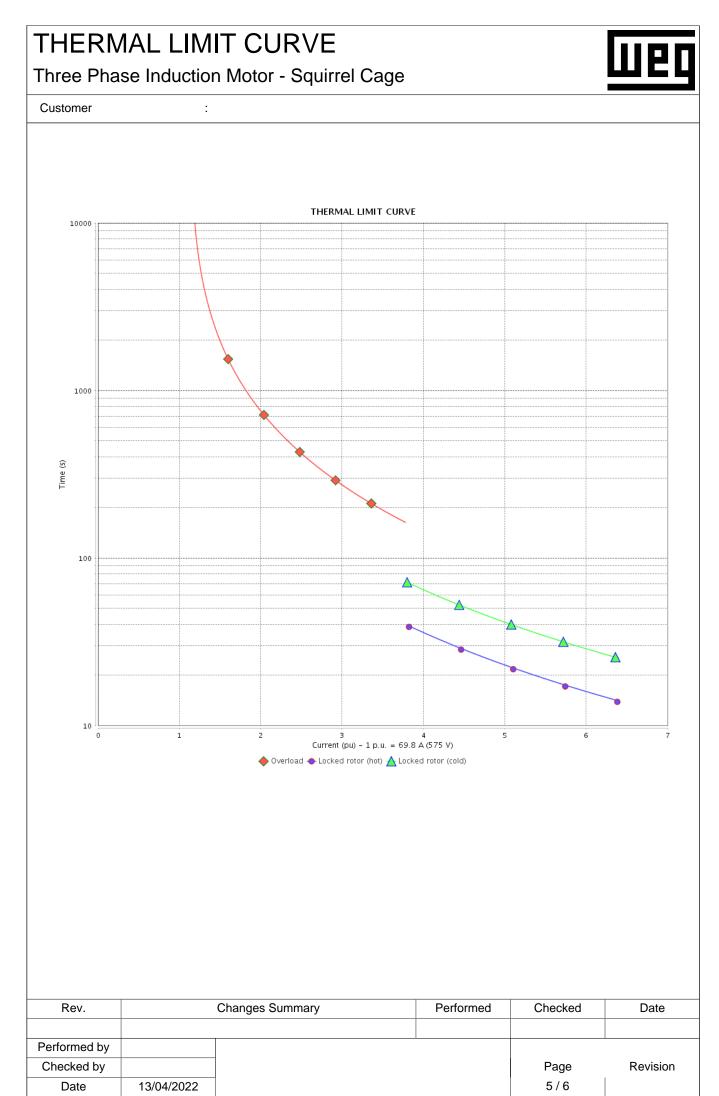
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|--|-------------|--|------|--|--|-----------|
| Three Pha  | se Inductio | n Motor - Squirrel   | Cage |  |  | шсч       |
| Customer   | :           |  |      |  |  |           |
| Product line   |             | NEMA Premium Efficiency <sup>-</sup><br>hase   |      | Product code :<br>Catalog # :                  | 12006545<br>07518ET3H3   | 365TC-W22 |
|  |             |  |      |  |  |           |
| Performance  |             | 75 V 60 Hz 4P  | N4   | <b>5</b> • • • • • • • • • • • • • • • • • • • | 00.0 (1.11   |           |
| Rated current<br>LRC<br>Rated torque<br>Locked rotor torque<br>Breakdown torque<br>Rated speed |             | : 69.8 A Momen   : 6.4 Duty cy   : 221 ft.lb Insulation   : 240 % Service   : 260 % Temper   : 1780 rpm Design |      | class<br>ctor                                  | : 23.3 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.25<br>: 80 K<br>: B |           |
| Heating constant<br>Cooling constant   |             |  |      |  |  |           |
| Rev.   |             | Changes Summary  |      | Performed                                      | Checked  | Date      |
|  |             |  |      |  |  |           |
| Performed by   |             | _  |      |  | _  |           |
| Checked by   |             |  |      |  | Page   | Revision  |

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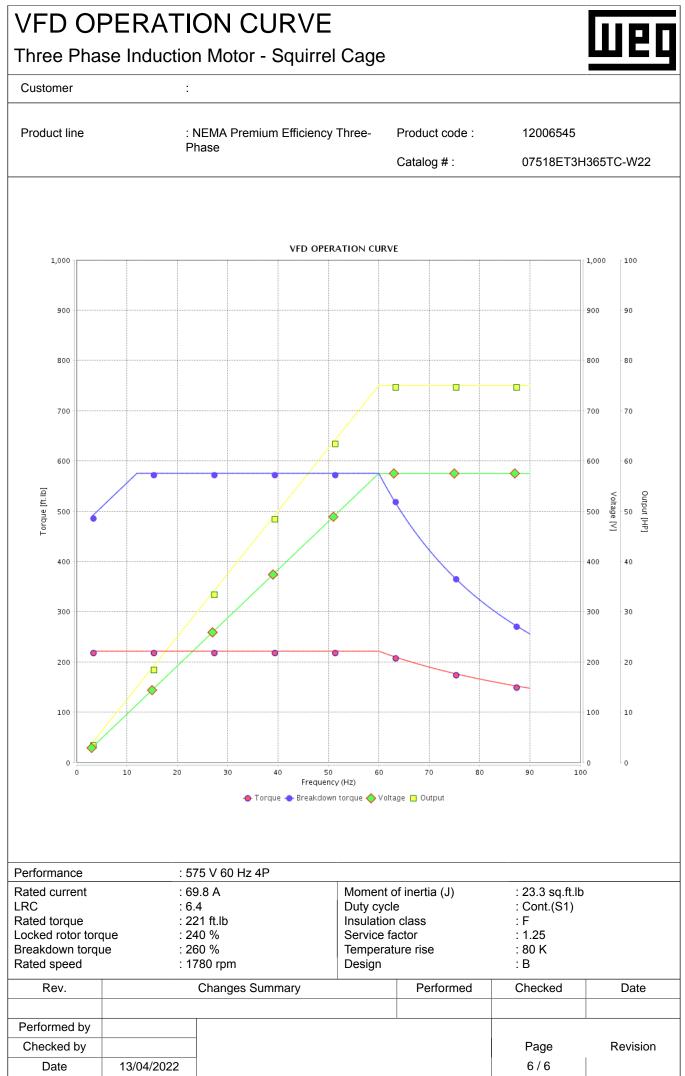
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Date

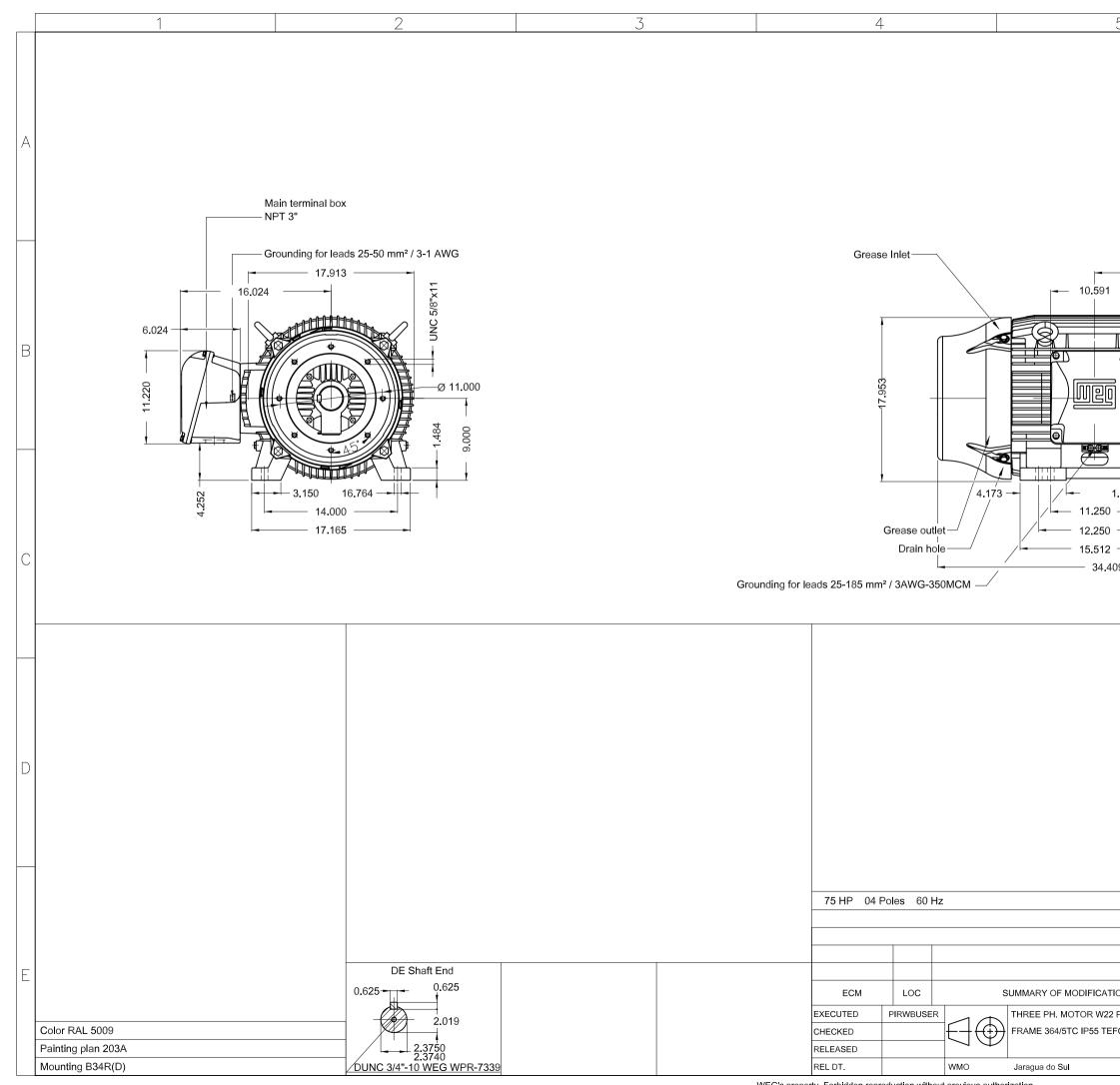


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| A<br>A<br>A<br>DONS EXECUTED CHECKED RELEASED DATE VER<br>PREM. EFF. PREVIEW | 5                            |               |  | 6                   |      |                      |
|--|------------------------------|---------------|--|---------------------|------|----------------------|
| A<br>ONS EXECUTED CHECKED RELEASED DATE VER<br>PREM. EFF.<br>PREVIEW<br>WDD  |                              |               | - 4.331 005.5<br>- 215.00<br>- 215.0 | a 13.780 a 13.780 a |      |                      |
| IONS EXECUTED CHECKED RELEASED DATE VER<br>PREM. EFF.<br>FC WDD              | 1.634   \<br>5.875<br><br>09 |               | -5.874<br>-Grease outlet   |                     |      | Dimensions in inches |
|  | IONS                         | EXECUTED      | CHECKED  | RELEASED            | DATE |                      |
|  |                              |               |  | EW                  |      | A3                   |
|  | Produc                       | t Engineering |  | 1 / 1               | шС   |                      |

