## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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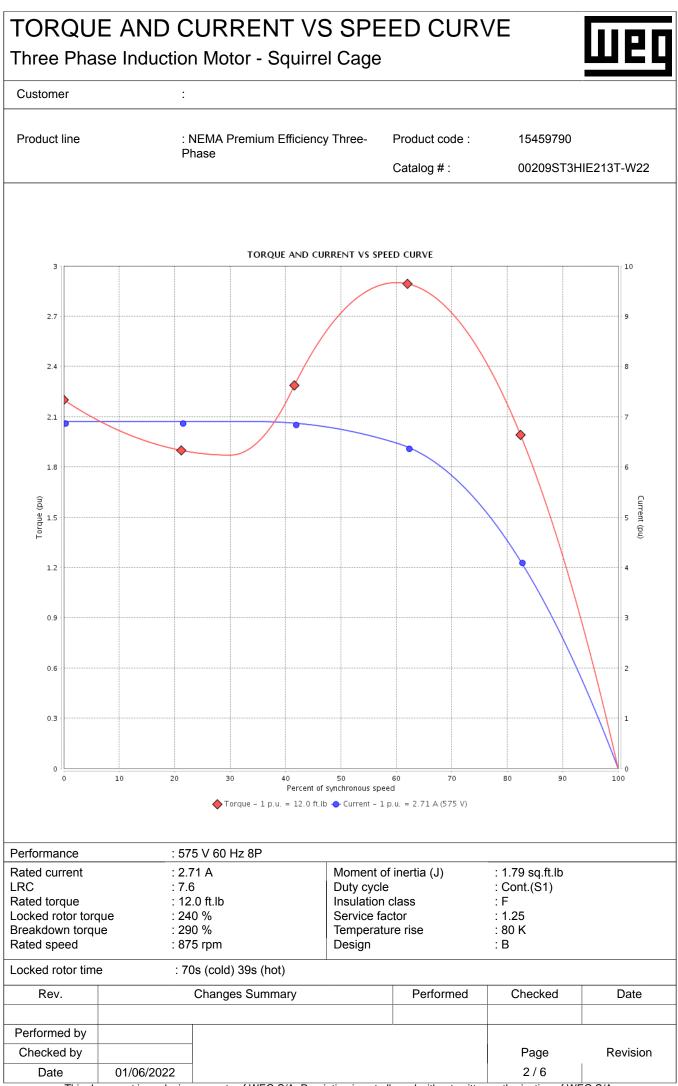
## Customer

|   |  | : NEMA Premium Efficiency Three- Product code Phase  |                                    |   | Product code :   | 15459790                                      |  |  |  |
|---|--|--|------------------------------------|---|--|---|--|--|--|
|   |  | FildS  | C                                  |   |  | Catalog # :                                   | 00209ST3F  | HE213T-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 torque<br>Breakdown torque<br>Insulation class<br>Service factor<br>Moment of inertia (J)<br>Design |  | : 213/5T<br>: 2 HP (1.5 kW)<br>: 8<br>: 60 Hz<br>: 575 V<br>: 2.71 A<br>: 20.6 A<br>: 7.6x(Code L)<br>: 1.84 A<br>: 875 rpm<br>: 2.78 %<br>: 12.0 ft.lb<br>: 240 %<br>: 290 %<br>: F<br>: 1.25<br>: 1.79 sq.ft.lb<br>: B |                                    |   | Locked rotor time<br>Temperature rise<br>Duty cycle<br>Ambient temperature<br>Altitude<br>Protection degree<br>Cooling method<br>Mounting<br>Rotation <sup>1</sup><br>Noise level <sup>2</sup><br>Starting method<br>Approx. weight <sup>3</sup> |   | : 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>: 52.0 dB(A | : Cont.(S1)<br>: -20°C to +40°C<br>: 1000 m.a.s.l.<br>: IP55<br>: IC411 - TEFC<br>: F-1<br>: Both (CW and CCW)<br>: 52.0 dB(A)<br>: Direct On Line |  |
| Dutput  | 25%  | 50%  | 75%                                | 100%                                    | Foundatio  | on loads                                      |  |  |  |
| Efficiency (%)<br>Power Factor  | 81.0<br>0.24   | 82.5<br>0.45   | 84.0<br>0.55                       | 85.5<br>0.65                            | Max. trac<br>Max. com  |   | : 109 lb<br>: 283 lb   |  |  |
| Bearing type<br>Sealing<br>Lubrication inter<br>Lubricant amoun<br>Lubricant type<br>Notes  |  | :  | Inpi<br>20                         | 08 C3<br>ro/Seal<br>000 h<br>11 g<br>Mo | bil Polyrex  | 6207 C3<br>Inpro/Seal<br>20000 h<br>7 g<br>EM |  |  |  |
| This revision rep   | laces and o  | cancel the   | previous o                         | ne, which                               | These ar   | e average values                              | based on tests w   | ith sinusoidal   |  |
| This revision rep<br>nust be eliminat<br>1) Looking the n<br>2) Measured at<br>3) Approximate<br>nanufacturing pr<br>4) At 100% of fu   | ed.<br>notor from<br>1m and wit<br>weight sub<br>rocess. | the shaft e<br>th toleranc   | nd.<br>e of +3dB(/                 |   |  |   | based on tests w<br>ne tolerances stipu  |  |  |
| nust be eliminat<br>1) Looking the n<br>2) Measured at<br>3) Approximate<br>nanufacturing pr  | ed.<br>notor from<br>1m and wit<br>weight sub<br>rocess. | the shaft e<br>th toleranc<br>ject to cha  | nd.<br>e of +3dB(/                 | A).                                     | power su   |   |  |  |  |
| nust be eliminat<br>1) Looking the n<br>2) Measured at<br>3) Approximate<br>nanufacturing pr<br>4) At 100% of fu<br>Rev.  | ed.<br>notor from<br>1m and wit<br>weight sub<br>rocess. | the shaft e<br>th toleranc<br>ject to cha  | end.<br>e of +3dB(/<br>inges after | A).                                     | power su   | ipply, subject to th                          | ne tolerances stipu  | ulated in NEMA   |  |
| nust be eliminat<br>1) Looking the n<br>2) Measured at<br>3) Approximate<br>nanufacturing pr<br>4) At 100% of fu  | ed.<br>notor from<br>1m and wit<br>weight sub<br>rocess. | the shaft e<br>th toleranc<br>ject to cha<br>Ch  | end.<br>e of +3dB(/<br>inges after | A).                                     | power su   | ipply, subject to th                          | ne tolerances stipu  | ulated in NEMA   |  |

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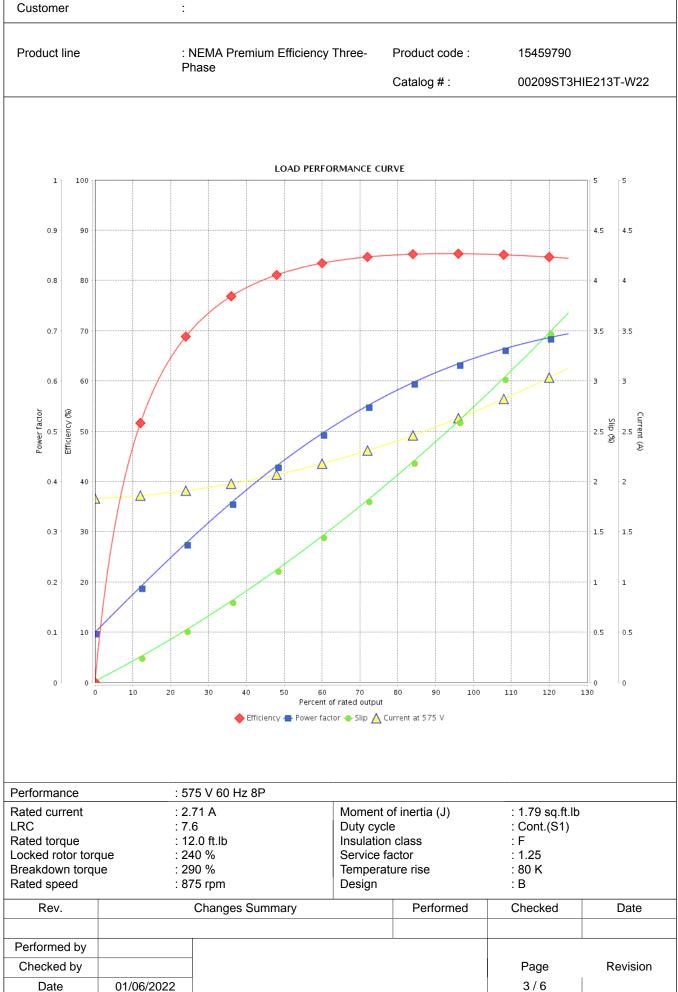
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer



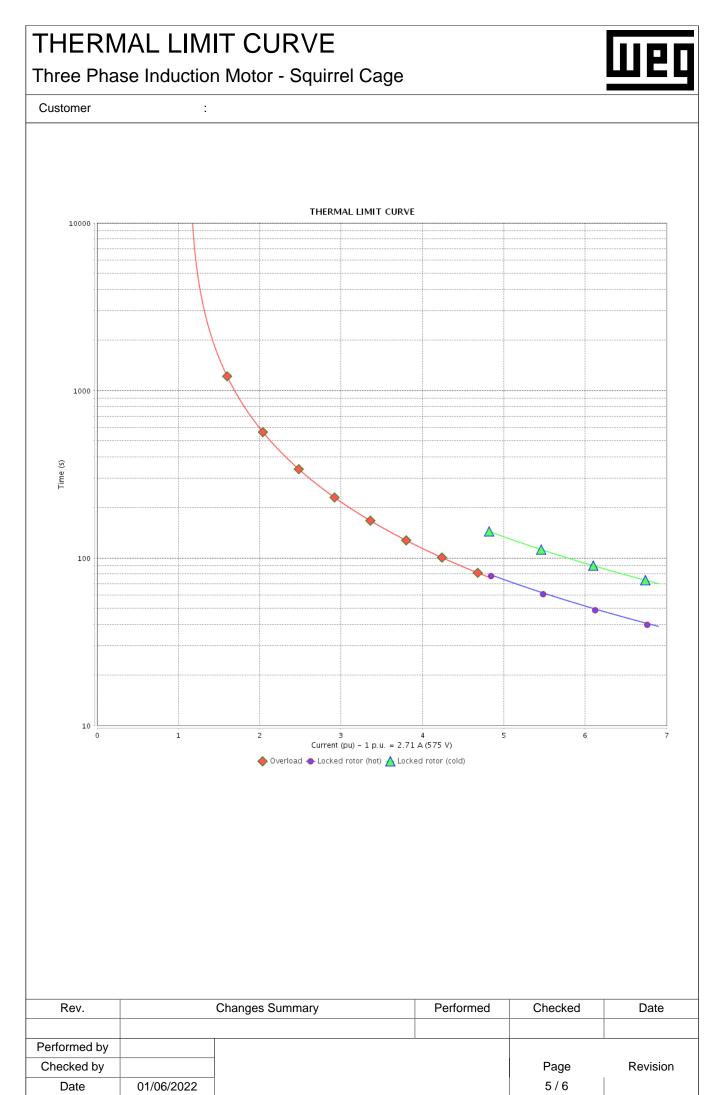
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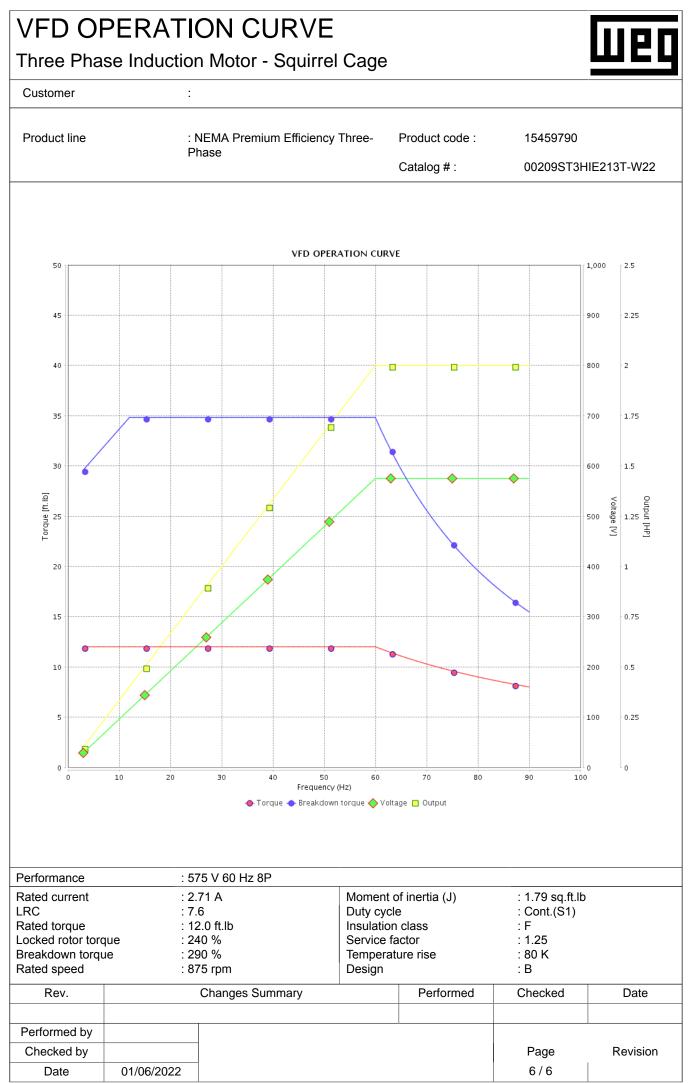
| Customer     | :   |                |                     |
|--------------|---|----------------|---------------------|
| Product line | : NEMA Premium Efficiency Three-<br>Phase | Product code : | 15459790            |
|              |   | Catalog # :    | 00209ST3HIE213T-W22 |
|              |   |                |                     |
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| Performance         | ormance : 575 V 60 Hz 8P |            |                       |           |                 |          |
|---------------------|--------------------------|------------|-----------------------|-----------|-----------------|----------|
| Rated current : 2.  |                          | 2.71 A     | Moment of inertia (J) |           | : 1.79 sq.ft.lb |          |
| LRC : 7.            |                          | 7.6        | Duty cycle            |           | : Cont.(S1)     |          |
| Rated torque : 1.   |                          | 12.0 ft.lb | Insulation class      |           | : F             |          |
| Locked rotor torque |                          | 240 %      | Service factor        |           | : 1.25          |          |
| Breakdown torque    |                          | 290 %      | Temperature rise      |           | : 80 K          |          |
| Rated speed : 8     |                          | 375 rpm    | Design                |           | : B             |          |
| Heating constant    | t                        |            |                       |           |                 |          |
| Cooling constant    | t                        |            |                       |           |                 |          |
| Rev.                | Rev. Changes Summary     |            |                       | Performed | Checked         | Date     |
|                     |                          |            |                       |           |                 |          |
| Performed by        |                          |            |                       |           |                 |          |
| Checked by          |                          |            |                       |           | Page            | Revision |
| Date                | 01/06/2022               |            |                       |           | 4 / 6           |          |

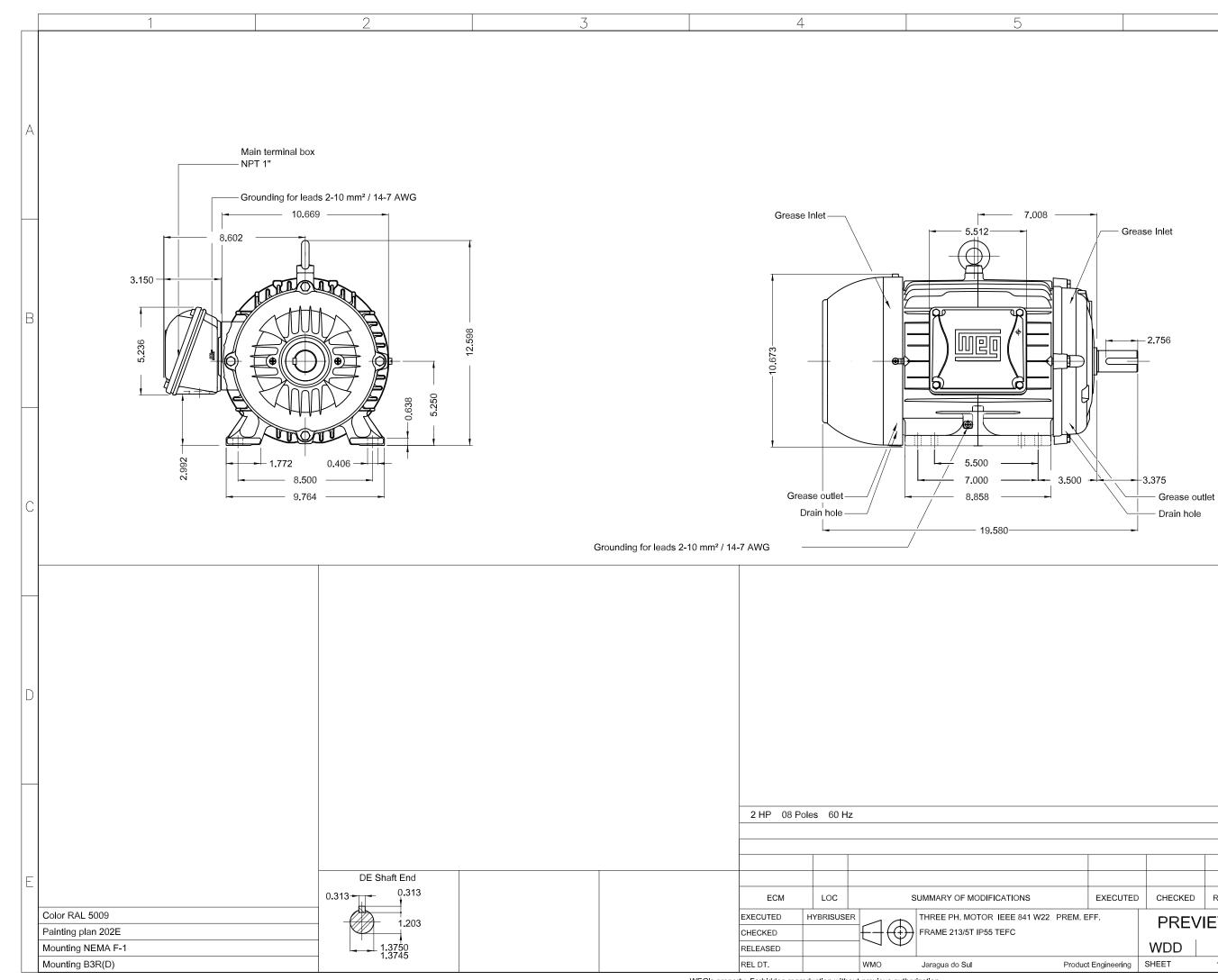
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| NS                  | EXECUTED | CHECKED | RELEASED | DATE | VER |     |
| 341 W22 PREM. EFF.  |          | PREV    |          |      |     |     |
|                     |          | WDD     |          | ШР   |     | A3  |
| Product Engineering |          | SHEET   | 1 / 1    |      |     | XME |
|                     |          |         | .        |      |     |     |

isions in inches

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