DATA SHEET

Three Phase Induction Motor - Squirrel Cage

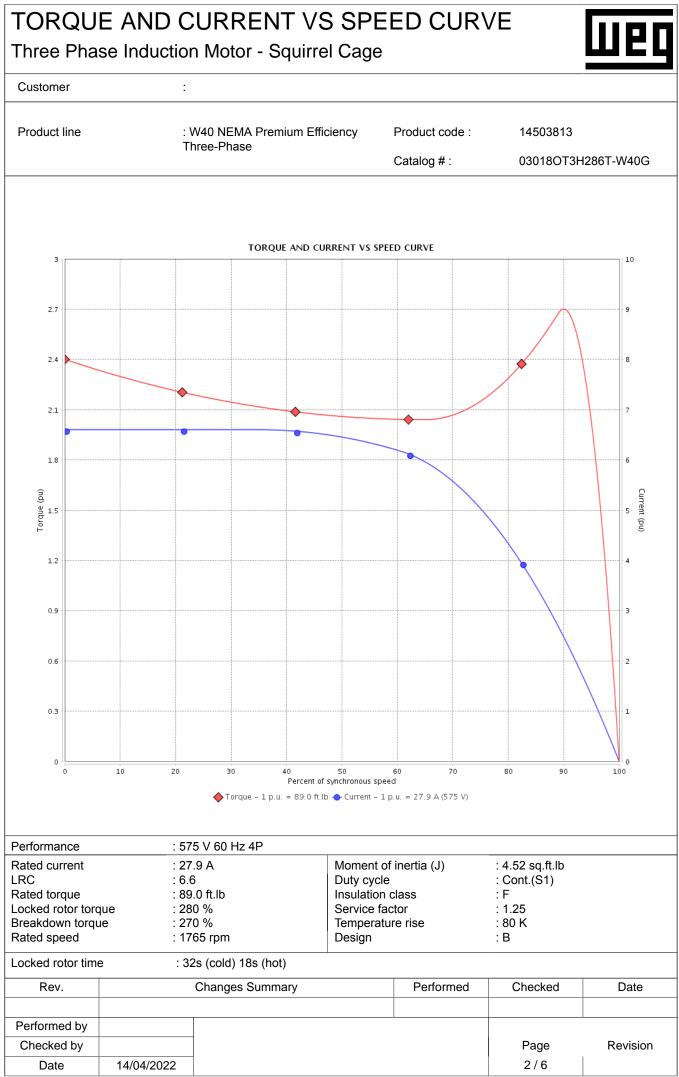
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Customer

| | | : W40 NEMA Premium Efficie Three-Phase | | | ncy Product code : | | 14503813 | 14503813 | |
|--|--|--|--|--------------------------------------|--|--|---|-------------------------------|--|
| | | mee | | | C | atalog # : | 03018OT3H | 286T-W40G | |
| Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torq Breakdown torqu Insulation class Service factor Moment of inertia Design | e | : 4 : 60 F : 575 : 27.9 : 184 : 6.6x : 10.8 : 1765 : 1.94 : 89.0 : 280 : 270 : F : 1.25 | IP (22 kW) Iz A (Code G) A 5 rpm % ft.lb % | | Tempera Duty cyc Ambient Altitude | temperature on degree method ¹ vel ² method | : 32s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a.: : IP23 : IC01 - OD : F-1 : Both (CW : 64.0 dB(A : Direct On : 397 lb | 40°C s.l. P and CCW) | |
| Output | 25% | 50% | 75% | 100% | Foundatio | n loads | | | |
| Efficiency (%) | 93.4 | 93.6 | 94.1 | 94.1 | Max. tracti | | | | |
| Power Factor | 0.45 | 0.70 | 0.80 | 0.84 | Max. com | pression | | | |
| Bearing type Sealing Lubrication interv Lubricant amount Lubricant type Notes | | | 20 | Bearing Seal 000 h 18 g Mol | bil Polyrex E | Without Bearing 20000 h 11 g EM | Seal | | |
| | | | | | | | | | |
| This revision repla must be eliminated (1) Looking the mo (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full | d. otor from the m and with t veight subjec ocess. | e shaft e tolerance | nd. e of +3dB(/ | | | • | based on tests wii e tolerances stipu | | |
| must be eliminated (1) Looking the mo (2) Measured at 1 (3) Approximate w manufacturing pro | d. otor from the m and with t veight subjec ocess. | e shaft e tolerance ct to cha | nd. e of +3dB(/ | A). | power sup | • | | | |

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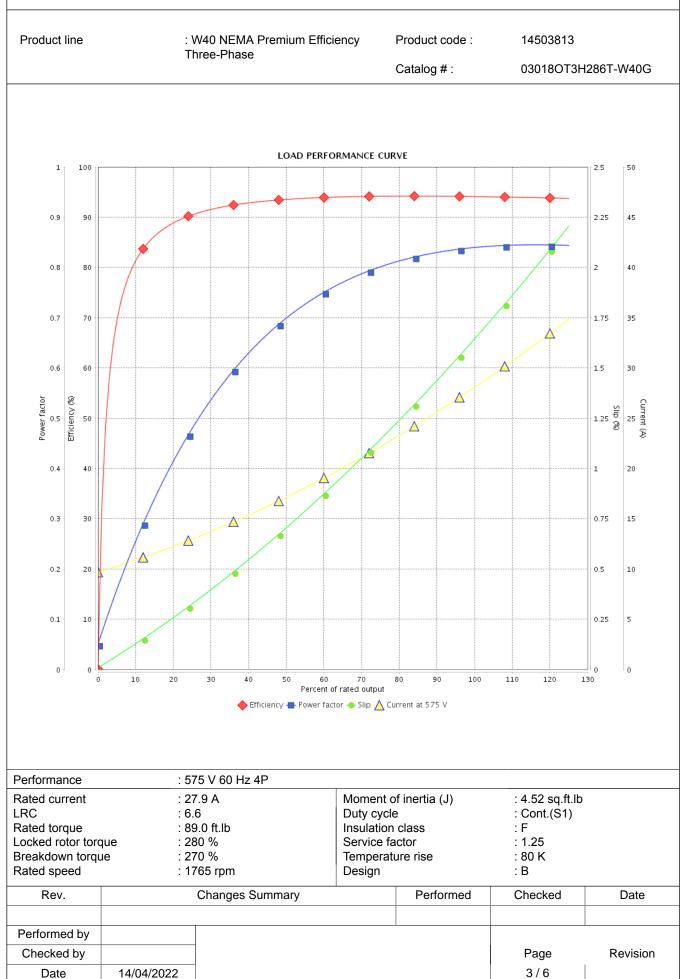
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

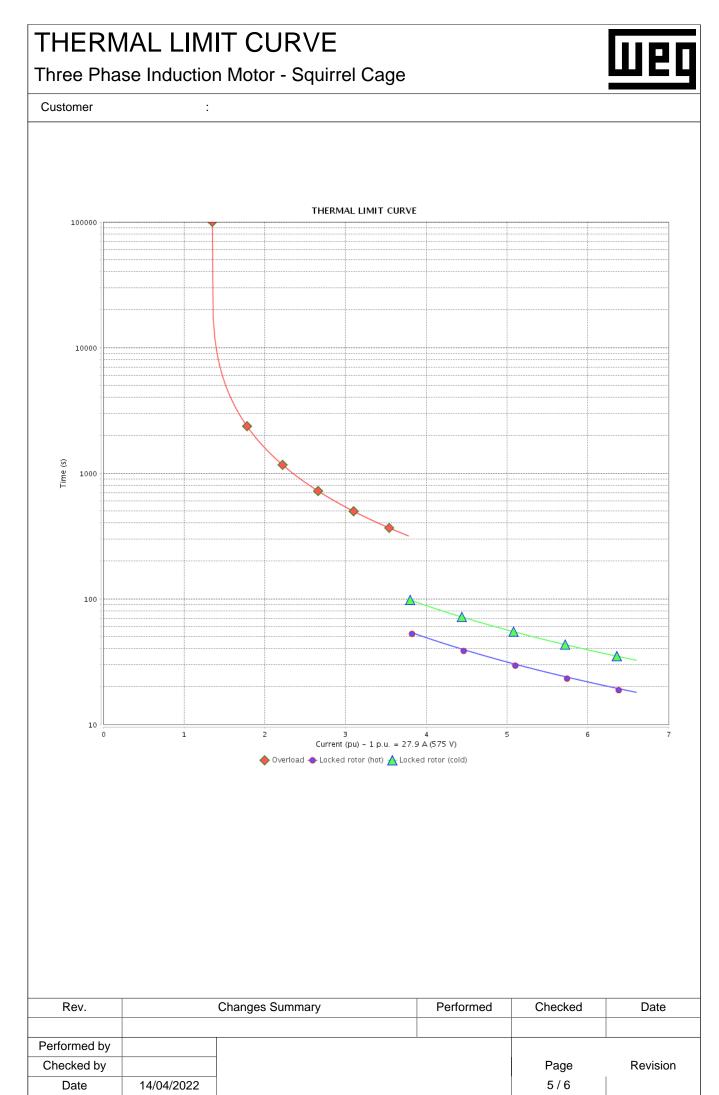
| Product line | : T | : W40 NEMA Premium Efficiency Three-Phase | | Product code : | 14503813 | |
|--|--------|--|--|---|--|-----------|
| | | | | Catalog # : | 03018OT3H2 | 286T-W40G |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Rated current: 2LRC: 6Rated torque: 8Locked rotor torque: 2Breakdown torque: 2 | | 6.6 Dut 89.0 ft.lb Inst 280 % Ser | | f inertia (J) e class ctor ure rise | : 4.52 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B | |
| Heating constant | | | | | | |
| Cooling constant Rev. | | Changes Summary | | Performed | Checked | Date |
| | | Changes Summary | | renomea | CHECKEU | Dale |
| Performed by Checked by | | - | | | Page | Revision |

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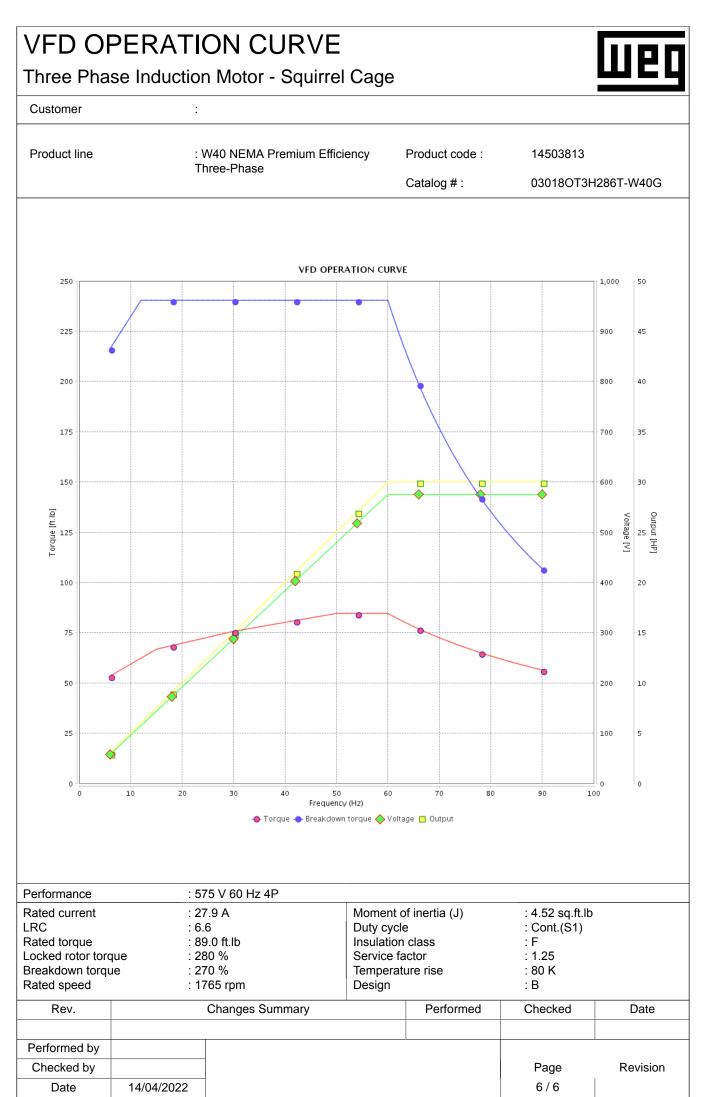
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14/04/2022

Date

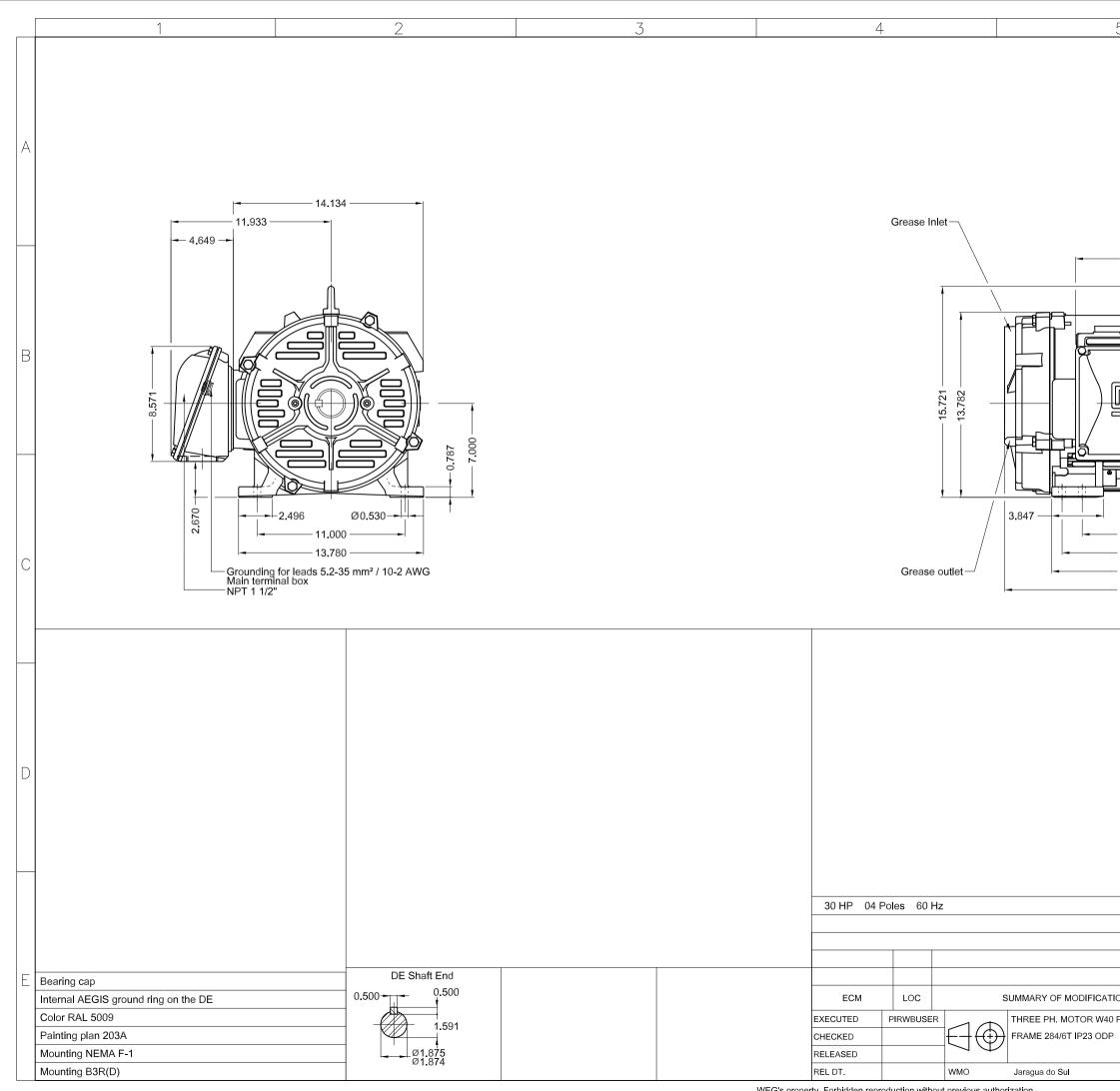


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|---------|-------------|-----------------|------------|------|----------------------|
| | | | ease Inlet | | Dimensions in inches |
| | | | | | A |
| | EVECUTED | | | 1:7 | |
| ONS | EXECUTED | CHECKED PREV | RELEASED | DATE | VER |
| 2 | | WDD | | Ше | A3 |
| Product | Engineering | SHEET | 1 / 1 | | XME |

