DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

| Product line | : VV22 | Tru-Metric | | lase | Pro | oduct coc | IE. 110 | 67531 | | |
|---|--|---|----------------|--------------|--|------------------|-------------------------------------|--|----------|--|
| Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design | | : 280S/M : F : S1 : -20°C to +40°C : 1000 m.a.s.I. : IP55 : N | | | Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J) | | : B3 : B0 : Di : 74 | : IC411 - TEFC : B3L(E) : Both (CW and CCW) : Direct On Line : 747 kg : 2.55 kgm ² | | |
| Output [HP] | | 125 | | 125 | | | 125 | | | |
| Poles | | 4 | | 4 | | | 4 | | | |
| Frequency [Hz] | | 50 | | 50 | | | 60 | | | |
| Rated voltage [V] | | 380 | | 415 | | | 460 | | | |
| Rated current [A] | | 167 | | 156 | | | 141 | | | |
| L. R. Amperes [A] | | 1169 | | 1248 | | | 1142 | | | |
| LRC [A] | | 7.0 | | 8.0 51.5 | | | 8.1 46.0 | | | |
| No load current [A] Rated speed [RPM | | 45.5 1483 | | 51.5 1487 | | | 46.0 | | | |
| Slip [%] | יו | 1483 | | 0.87 | | | 0.72 | | | |
| Rated torque [kgfn | າ] | 61.2 | | | 61.0 | | 50.8 | | | |
| Locked rotor torque | - | 180 | | 229 | | | 240 | | | |
| Breakdown torque | | 200 | | 229 | | | 260 | | | |
| Service factor | - | 1.25 | | 1.25 | | | 1.25 | | | |
| Temperature rise | | 80 K | | | 80 K | | 80 K | | | |
| Locked rotor time | | 59s (cold) 33s (hot) | | | 52s (cold) 29s (hot) | | 66s (cold) 37s (hot) | | | |
| Noise level ² | | |) dB(A) | 6 | 9.0 dB(A) | | 73.0 dB(A) | | | |
| | 25% | | 94.9 | | 94.5 | | 93.1 | | | |
| Efficiency (%) | 50% | 95.1 | | 94.9 | | | 93.6 | | | |
| , | 75% 100% | 95.3 95.4 | | | 95.5 95.8 | | 95.0 95.4 | | | |
| | 25% | |).54).54 | | 0.49 | | 0.48 | | | |
| - | 20% | 0.54 | | | 0.49 | | 0.48 | | | |
| Power Factor | 75% | 0.83 | | 0.72 | | | 0.80 | | | |
| _ | 100% | | 0.86 | | 0.84 | | 0.84 | | | |
| Losses at normati | | I | | n nercor | | d output r | | 1 | | |
| Losses at normative opera | | (0,9;1,0) 4.5 | | i percer | 4.1 | | 4.5 | | | |
| | | ,5;1,0) ,5;1,0) | 3.1 | | 2.8 | | 3.1 | | | |
| | | P3 (0,25;1,0) | | 2.6 | | | 2.6 | | | |
| Losses (%) | | ,9;0,5) | 2.6 | | 2.4 2.4 | | 2.6 | | | |
| | | ,5;0,5) | 1.4 | | 1.3 | | 1.4 | | | |
| | | 5;0,25) | 1.0 | | 0.9 | | 1.0 | | | |
| | P7 (0,2 | 25;0,25) | 0.6 | | 0.5 | | 0.6 | | | |
| Bearing type Sealing | | Drive endNon drive end:6316 C36316 C3:WSealWSeal | | | | | | : 781 kgf : 1528 kgf | | |
| Lubrication interv | | : 10000 h 10000 l | | | | | | | | |
| Lubricant amount | | : 34 g 34 g | | | | | | | | |
| Lubricant type | | : M | obil Polyrex E | -M | | | | | | |
| This revision repla must be eliminate (1) Looking the m (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. | shaft end. olerance o | f +3dB(A). | nich | | | alues based or at to the toleran | | | |
| | | Changes Summary | | | | Performed Checke | | cked | Date | |
| Rev. | | | | | | | 1 | | | |
| | | | | | | | | | | |
| Rev. Performed by Checked by | | | | | | | Pa | | Revision | |

Шeq

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

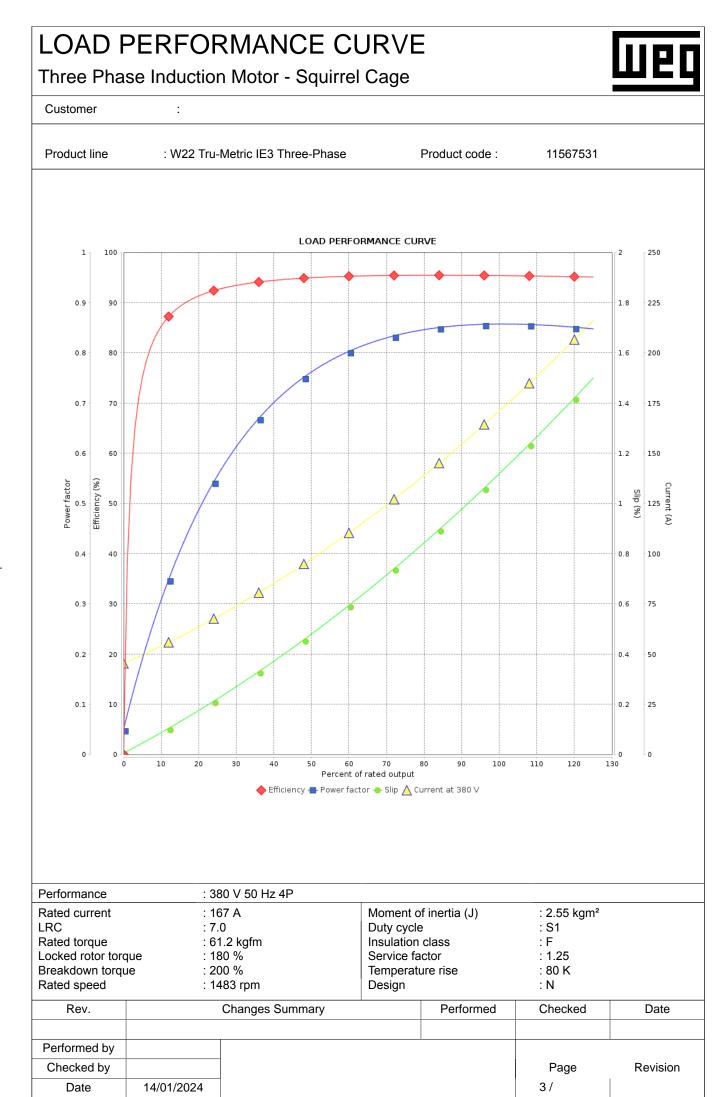
Customer

Notes

| | | | | | , |
|--------------|------------|-----------------|-----------|---------|----------|
| Rev. | | Changes Summary | Performed | Checked | Date |
| | | | | | |
| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 14/01/2024 | | | 2/ | |

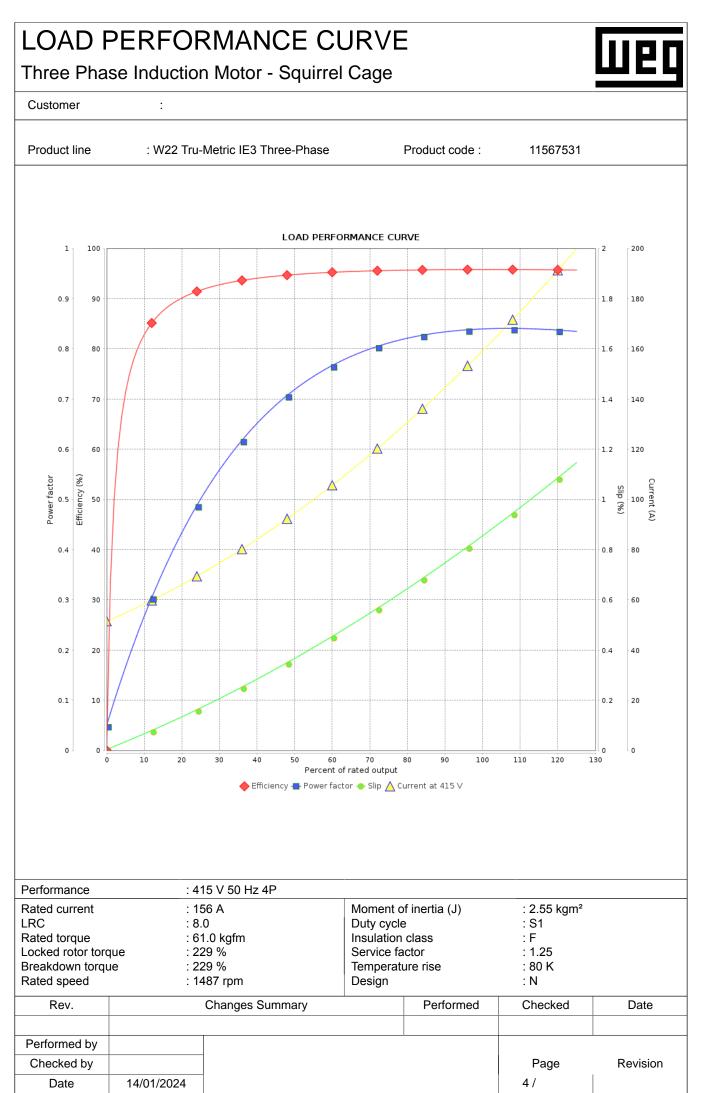
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice





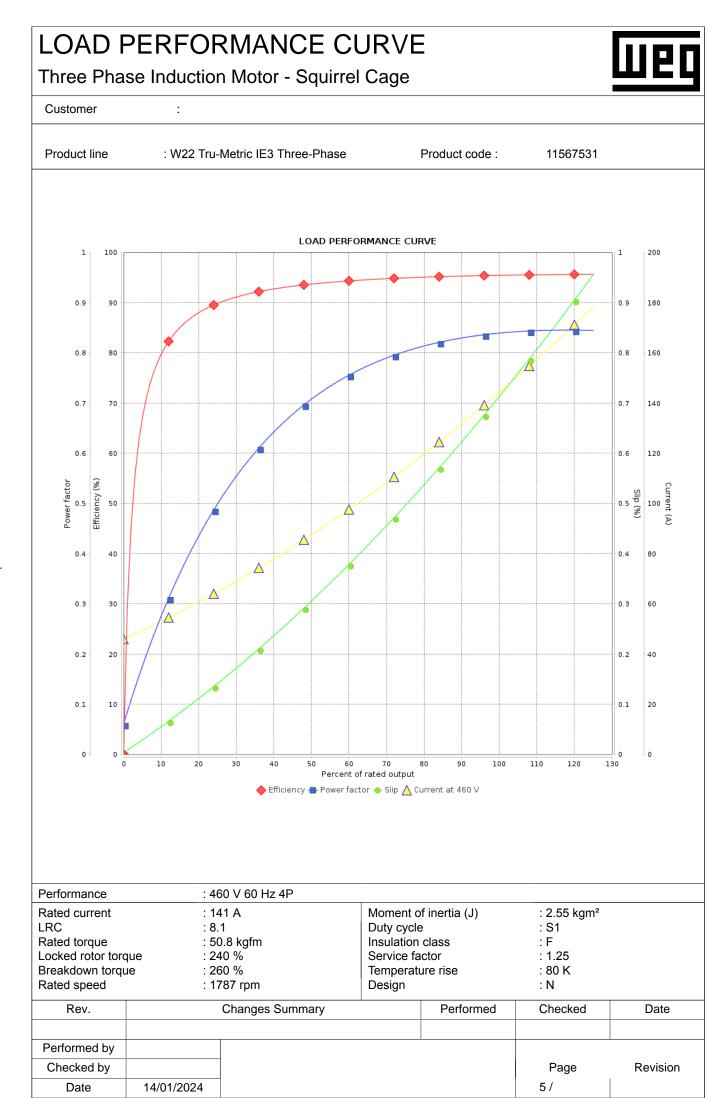
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice