DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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| Product line | | | : W22 Brake Motor NEMA Premium P Efficiency Three-Phase | | | 14138271 | | |
|---|--|--|--|--|--|--|----------------|--|
| Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design | | : 254/6TC : 20 HP (15 kW) : 4 : 60 Hz : 575 V : 19.3 A : 133 A : 6.9x(Code G) : 7.68 A : 1770 rpm : 1.67 % : 8.20 kgfm : 240 % : 260 % : F : 1.25 : 0.1305 kgm ² : B | | Temper Duty cy Ambier Altitude Protect Cooling Mountin Rotatio Noise I Starting | nt temperature ion degree g method ng n ¹ | : 54s (cold) 30s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 64.0 dB(A) : Direct On Line : 176 kg | | |
| Output | 50% | 75% | 75% 100% | | tion loads | | | |
| Efficiency (%) | 91.7 | 92.4 | | | ction | : 247 kgf | | |
| Power Factor | 0.68 | 0.79 0.84 | | Max. co | mpression | : 423 kgf | | |
| P1 (0,9;1,0) 7.5 Bearing type Sealing | tive operatin P2 (0,5;1 6.4 | | | ercentage of 1 24 (0,9;0,5) 3.6 | rated output power P5 (0,5;0,5) 2.5 <u>Non drive enc</u> 6209 C3 Lip Seal | P6 (0,5;0,25) 1.6 | P7 (0,25;0,25 | |
| Lubricant amoun Lubricant type | | : | 20000 h 13 g | Mobil Polyre | 20000 h 9 g x EM | | | |
| Lubrication interv Lubricant amoun Lubricant type Notes | | : | | Mobil Polyre | 9 g | | | |
| Lubricant amoun Lubricant type Notes This revision replanust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro- | aces and ca ed. notor from th 1m and with weight subje ocess. | e shaft end. tolerance of | 13 g /ious one, which +3dB(A). | n These a | 9 g | | | |
| Lubricant amoun Lubricant type | aces and ca ed. notor from th 1m and with weight subje ocess. | e shaft end. tolerance of ect to change | 13 g /ious one, which +3dB(A). | n These a powers | 9 g x EM | | | |
| Lubricant amoun Lubricant type Notes This revision replanust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful | aces and ca ed. notor from th 1m and with weight subje ocess. | e shaft end. tolerance of ect to change | 13 g /ious one, which +3dB(A). s after | n These a powers | 9 g x EM | ne tolerances stipu | ulated in NEMA | |
| Lubricant amoun Lubricant type Notes This revision replanust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro- (4) At 100% of ful Rev. | aces and ca ed. notor from th 1m and with weight subje ocess. | e shaft end. tolerance of ect to change | 13 g /ious one, which +3dB(A). s after | n These a powers | 9 g x EM | ne tolerances stipu | ulated in NEMA | |

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Brake information

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Customer

Voltage: 525-575 V Brake Torque: 15.3 kgfm

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 27/10/2024 2/3 Date

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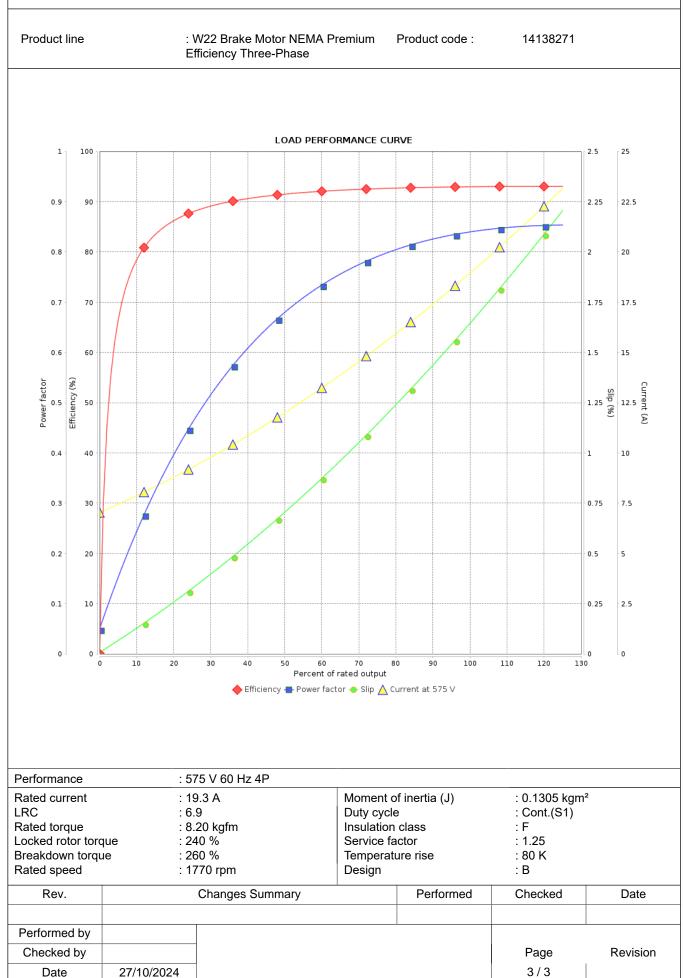


LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

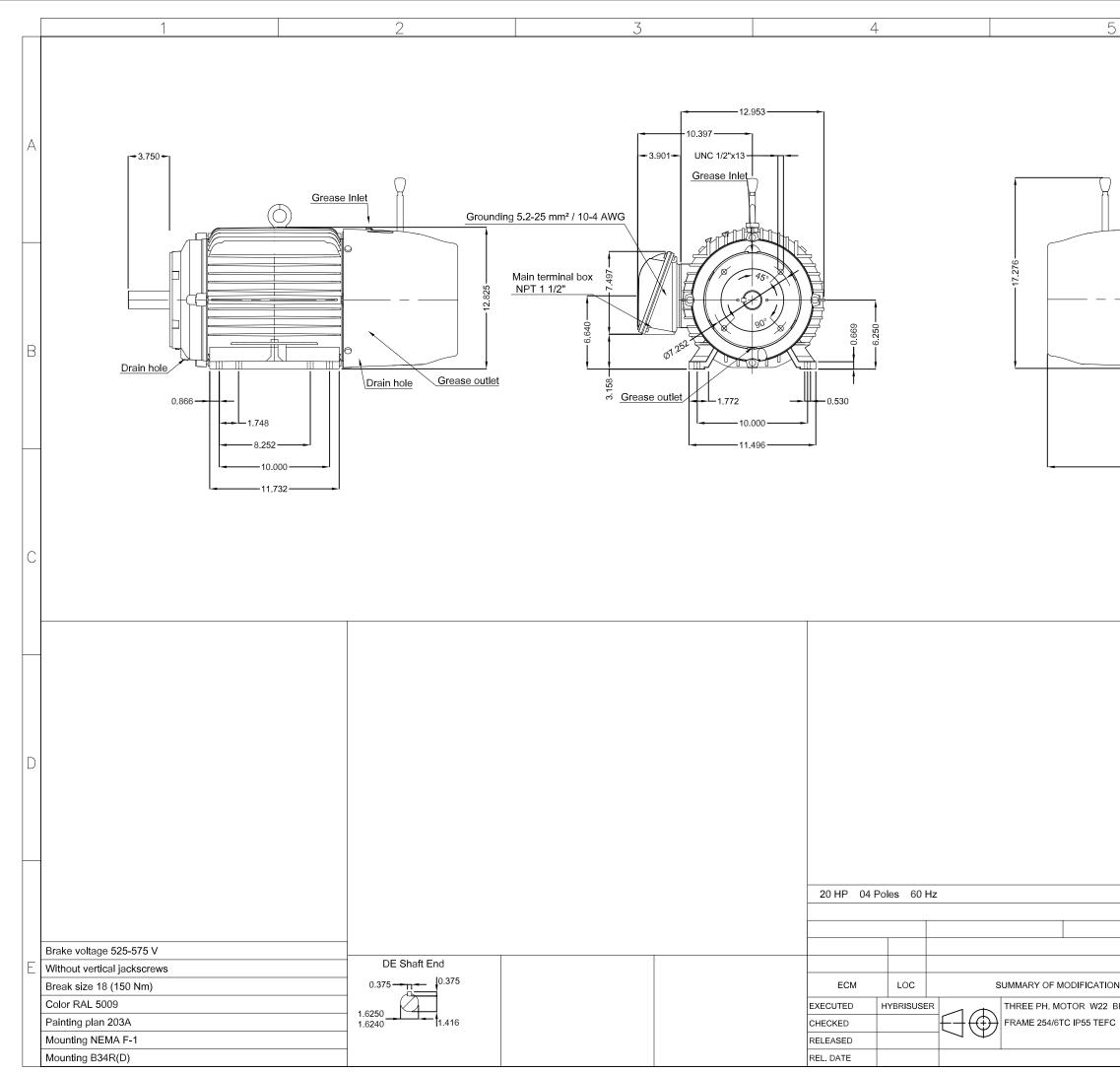
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Customer



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|----------------------|----|---|----------------------|--------|-----------|
| | | 9.258 2 0.250 0.250 - 4.250 | | -2.756 | |
| | | | | | Α |
| INS BRAKE MOTOR N | | CHECKED F. PREVI WDD | RELEASED EW 00 | | 00 VER |
| | `` | | / | | |