DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

| | | : W21 Explosion Proo Premium Efficiency Th | | | uct code : 14 | 4255321 | | |
|--|---|--|------|------------------------|--|------------|-----------------|--|
| Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree | | : FMounting: Cont.(S1)Rotation1: -20°C to +40°CStarting m: 1000 m.a.s.l.Approx. w: IP55Moment of | | | : F-1 : Both (CW and CCW) ethod : Direct On Line eight ³ : 30.0 kg | | | |
| Design | | : B | | | | | | |
| Output [HP] | | 1 | | 1 | 1 | | 1 | |
| Poles | | 4 60 | | 4 | 4 | | 4 | |
| Frequency [Hz] | | | | 50 380 | 50 400 | | 50 415 | |
| Rated voltage [V] | | | | 1.73 | 1.68 | | 1.66 | |
| Rated current [A] L. R. Amperes [A] | | | | 11.6 | 12.4 | | 13.1 | |
| _RC [A] | | 8.6x(Code M) | | /x(Code J) | 7.4x(Code K) | | 7.9x(Code L) | |
| LRC [A] No load current [A] | | 1.88/0.940 | 0.7 | 0.920 | 0.990 | | 1.06 | |
| Rated speed [RPN | | 1.88/0.940 | | 1445 | 1450 | | 1455 | |
| Slip [%] | 1 | 2.50 | | 3.67 | 3.33 | | 3.00 | |
| Slip [%] Rated torque [kgfm] | | 0.414 | | 0.502 | 0.501 | | 0.499 | |
| Locked rotor torque [%] | | 280 | | 210 | 240 | | 260 | |
| Breakdown torque [%] | | 360 | | | 280 | | 310 | |
| Service factor | | 1.15 | | | 1.00 | | 1.00 | |
| Temperature rise | | 80 K | | 80 K | 80 K | | 80 K | |
| Locked rotor time | | | | cold) 20s (hot) | 36s (cold) 20s (ho | ot) 36s | (cold) 20s (hot | |
| Noise level ² | | 51.0 dB(A) | | 9.0 dB(A) | 49.0 dB(A) | , 000 | 49.0 dB(A) | |
| | 25% | | | () | | | | |
| | 50% | 80.0 | | 81.5 | 81.0 | | 80.0 | |
| Efficiency (%) | 75% | 82.5 | | 82.5 | 82.5 | | 82.5 | |
| | 100% | 85.5 | | 82.5 | 82.5 | | 84.0 | |
| Power Factor | 25% | | | | | | | |
| | 50% | 0.57 | | 0.62 | 0.58 | | 0.55 | |
| | 75% | 0.68 | | 0.74 | 0.70 | | 0.68 | |
| | 100% | 0.75 | | 0.80 | 0.78 | | 0.75 | |
| Bearing type | | Drive endNon drive endFoundation loads6205 2RS6204 2RSMax. traction | | | | 9 kgf | | |
| Sealing | | : Oil Seal Lip | Seal | Max. compres | | 9 kgf | | |
| Lubrication interv | | : - | - | | | | | |
| Lubricant amoun | lt . | : - | : | | | | | |
| Lubricant type | | : Mobil Polyrex E | EM | | | | | |
| USABLE @208V | 3 16A SE 1 | 15 054 0 044 | | | | | | |
| This revision repla must be eliminate (1) Looking the m (2) Measured at 1 | aces and car ed. lotor from the Im and with t weight subject occess. | ncel the previous one, wi | nich | | erage values based o subject to the tolera | | | |
| This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro | aces and car ed. lotor from the Im and with t weight subject occess. | ncel the previous one, wh e shaft end. tolerance of +3dB(A). | | power supply, MG-1. | subject to the tolera | | | |
| This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful | aces and car ed. lotor from the Im and with t weight subject occess. | ncel the previous one, wh e shaft end. tolerance of +3dB(A). ct to changes after | | power supply, MG-1. | subject to the tolera | nces stipu | lated in NEMA | |
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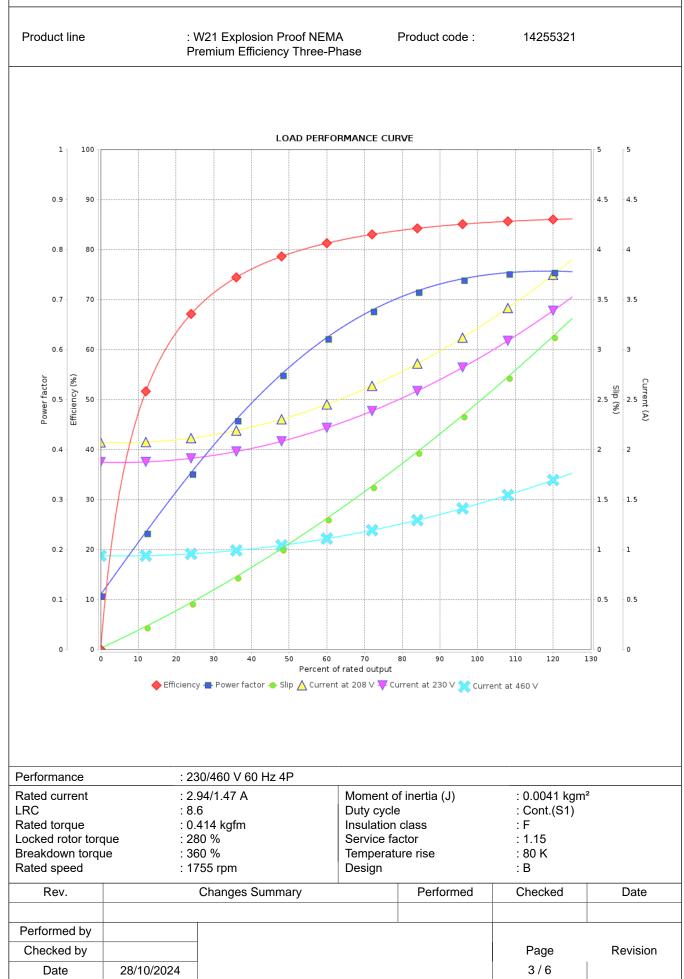
| ID | Application | Quantity | Sensing Temperature | | |
|----------------------------|-------------|---------------------------|---------------------|---------|----------|
| 1 | Winding | Type Thermostat - 2 wires | 1 x Phase | | 55 °C |
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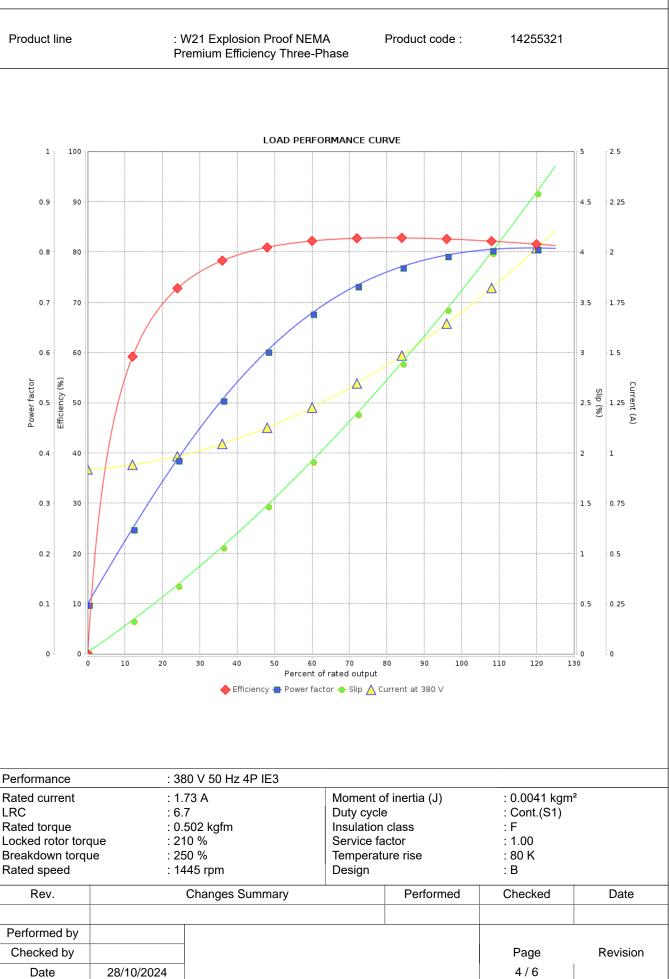
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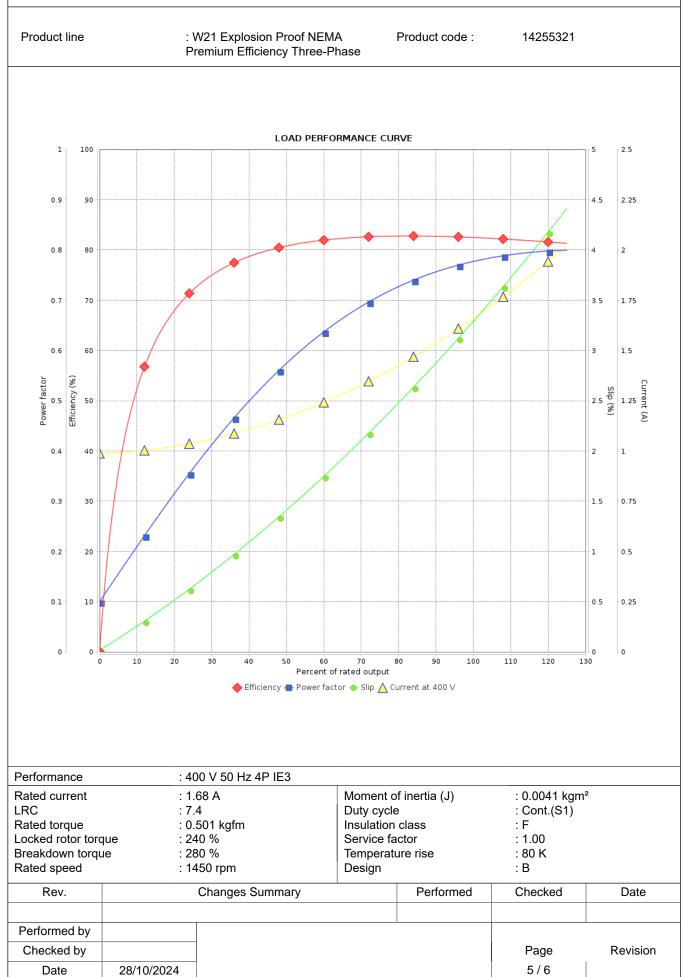


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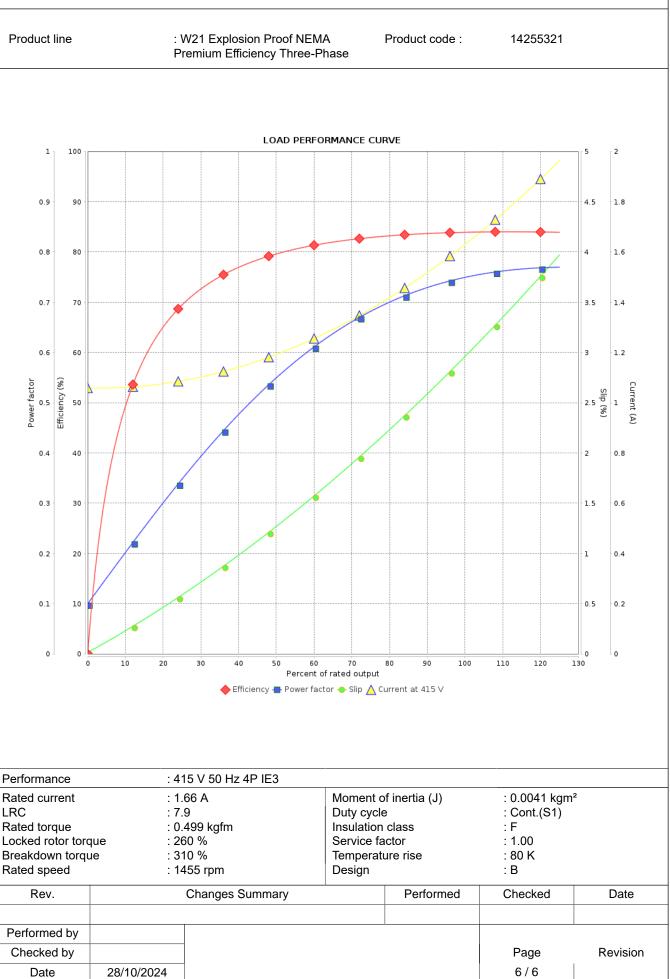
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