DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

| | Lindic | ncy Three-Phase | | | | | |
|---|---|--|---|--|-------------|---|--|
| Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree | | : 404/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 | Mounti Rotatic Startin Approx | Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J) | | : IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 568 kg : 1.11 kgm ² | |
| Design | | : B | | | | | |
| Output [HP] | | 100 | 75 | | 75 | 75 | |
| Poles | | 4 | 4 | | 4 | 4 | |
| Frequency [Hz] | | 60 | 50 | | 50 | 50 | |
| Rated voltage [V] | | 230/460 | 380 103 | | 00 | 415 98.7 | |
| Rated current [A] | | 226/113 1627/814 | 773 | | 40 | 898 | |
| L. R. Amperes [A] LRC [A] | | 7.2x(Code H) | 7.5x(Code I | | Code J) | 9.1x(Code K) | |
| No load current [A] | | 78.0/39.0 | 39.0 | | 2.0 | 45.0 | |
| Rated speed [RPM] | | 1780 | 1480 | | 85 | 1485 | |
| Slip [%] | | 1.11 | 1.33 | | 00 | 1.00 | |
| Rated torque [kgfm] | | 40.8 | 36.8 | | 5.7 | 36.7 | |
| Locked rotor torque [%] | | 270 | 270 | 3 | 00 | 320 | |
| Breakdown torque | | 280 | 310 | | 60 | 370 | |
| Service factor | | 1.15 | 1.00 | | 00 | 1.00 | |
| Temperature rise | | 80 K | 80 K | |) K | 80 K | |
| Locked rotor time | | 23s (cold) 13s (hot) | 21s (cold) 12s | |) 12s (hot) | 21s (cold) 12s (hot) | |
| Noise level ² | 050/ | 75.0 dB(A) | 70.0 dB(A |) 70.0 | dB(A) | 70.0 dB(A) | |
| Efficiency (%) Power Factor | 25% | 04.5 | 04.0 | | | 02.0 | |
| | 50% 75% | 94.5 95.0 | 94.0 94.5 | | 3.6 4.5 | 93.6 94.5 | |
| | 100% | 95.0 | 94.5 | | 4.5 | 94.5 | |
| | 25% | 30.4 | 34.0 | | T.U | J T .J | |
| | 50% | 0.72 | 0.69 | 0 | 65 | 0.62 | |
| | 75% | 0.82 | 0.80 | | 77 | 0.75 | |
| | 100% | 0.87 | 0.86 | | 84 | 0.82 | |
| Bearing type Sealing Lubrication interval Lubricant amount Lubricant type | | : 6217 C3 63 : Oil Seal Lip : 9149 h 97 | 14 C3 Max. tra o Seal Max. cc 789 h 27 g | Foundation loads Max. traction : 1055 kgf Max. compression : 1614 kgf | | | |
| Notes USABLE @208V | | 00 SFA 250A | | are average values supply, subject to th | | | |
| must be eliminate | ed. | | | | | | |
| must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu | ed. notor from the 1m and with t weight subjec ocess. | tolerance of +3dB(A). It to changes after | MG-1. | | | | |
| must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr | ed. notor from the 1m and with t weight subjec ocess. | tolerance of +3dB(A). | MG-1. | Performed | Checked | Date | |
| must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pr (4) At 100% of fu Rev. | ed. notor from the 1m and with t weight subjec ocess. | tolerance of +3dB(A). It to changes after | MG-1. | | | | |
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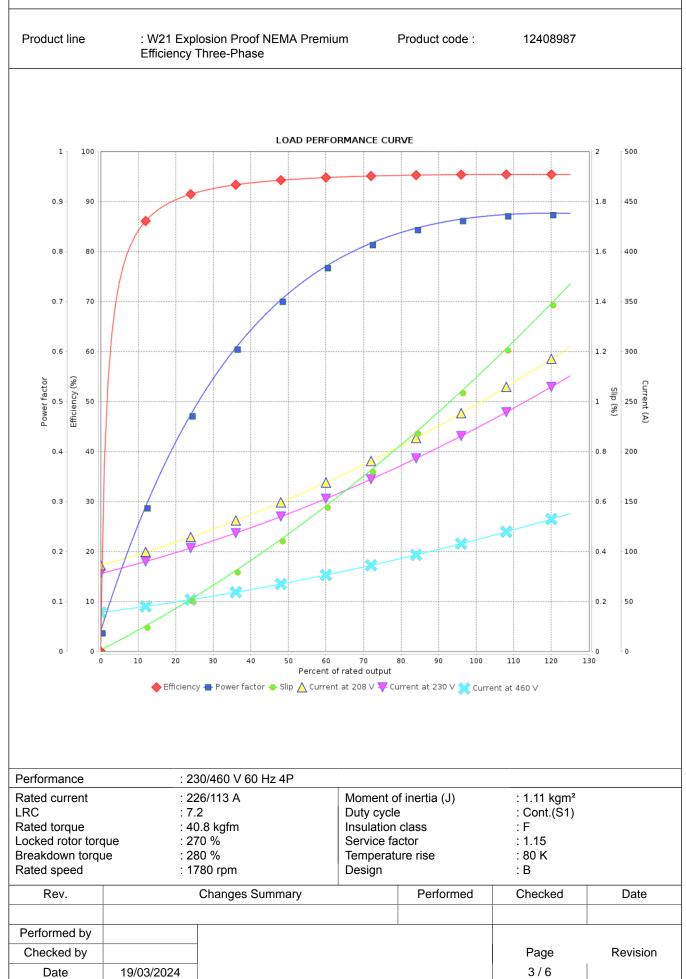
| ID | Application | pplication Type | | | Sensing Temperature | |
|-------------------------|-------------|----------------------|-----------|---------|---------------------|--|
| 1 | Winding | Thermostat - 2 wires | 1 x Phase | 15 | 55 °C | |
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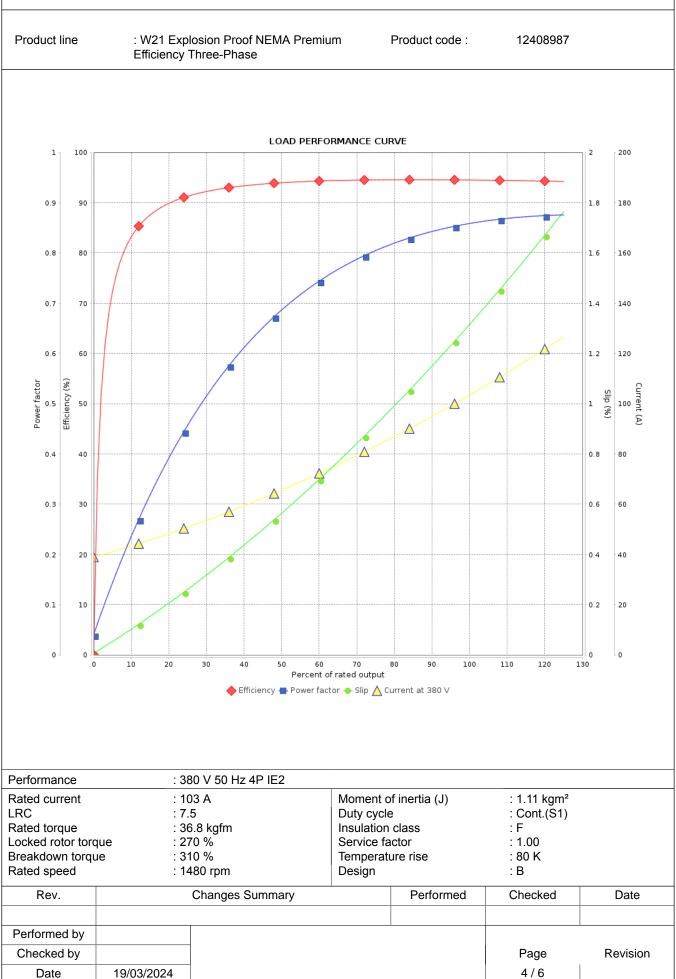
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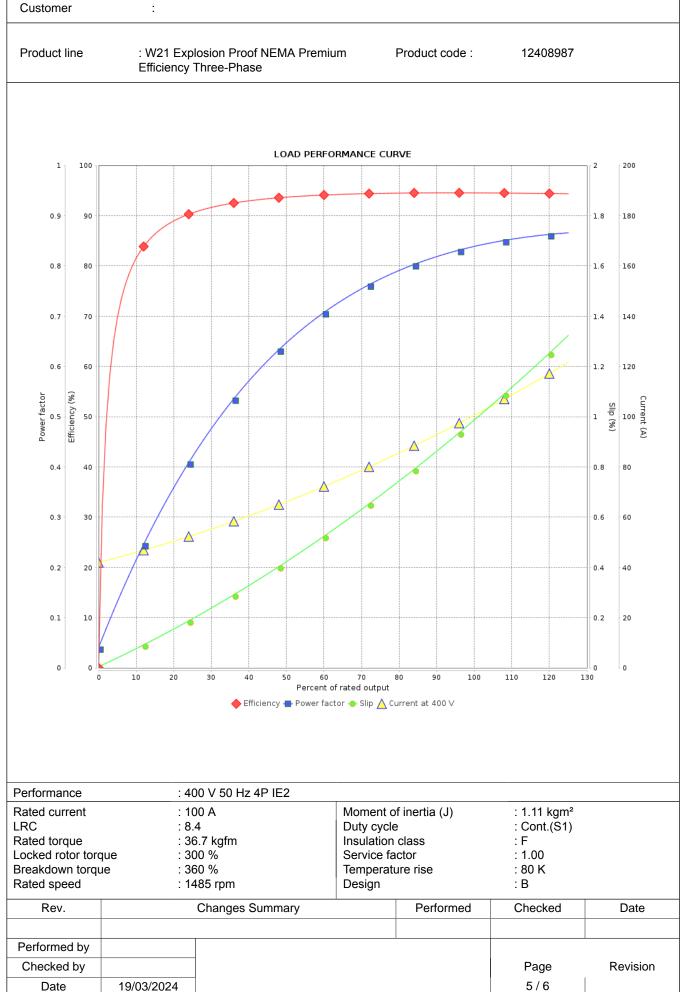


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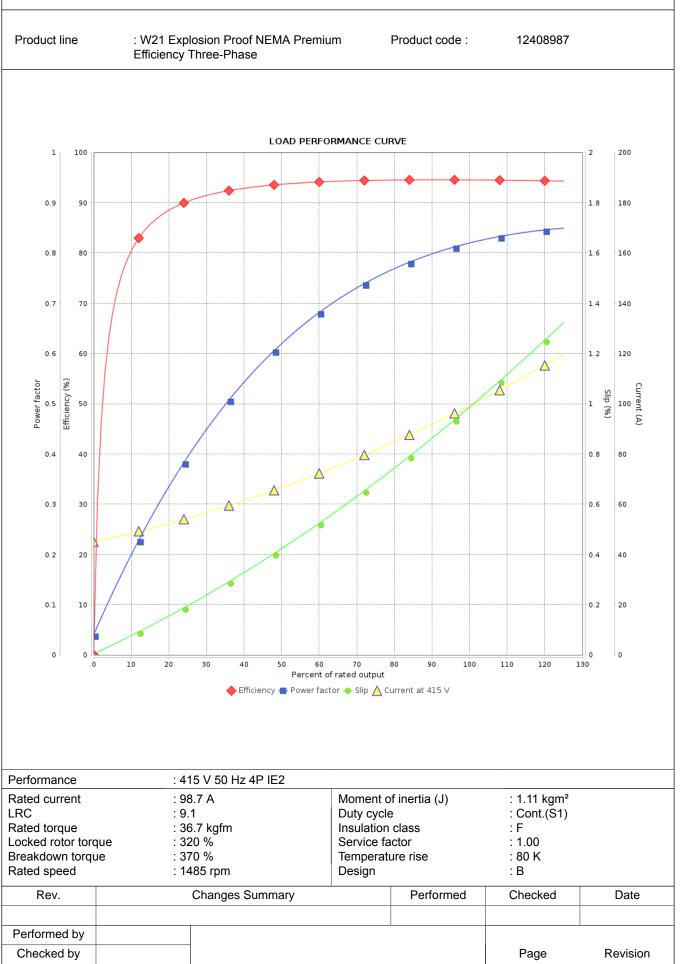
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