DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

| | Efficie | ncy Three-Phase | | | | 14323498 | | |
|---|--|---|------------------------------------|-----------------------|---|--------------|---------------------|--|
| Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design | | : FMounting: Cont.(S1)Rotation1: -20°C to +40°CStarting n: 1000 m.a.s.l.Approx. w | | | EXAMPLE 1: F-1 : Both (CW and CCW) nethod : Direct On Line veight ³ : 32.1 kg | | | |
| 5 | | 1 | , | 1 | 1 | | 1 | |
| Output [HP] | | | 1 1 | | 1 | | <u> </u> | |
| Poles | | 4 | 4 | | 4 | | | |
| Frequency [Hz] | | 60 | 50 | | 50 | | 50 | |
| Rated voltage [V] | | 230/460 | 380 | | 400 | | 415 | |
| Rated current [A] | | 2.94/1.47 | 1.73 | | 1.68 | | 1.66 | |
| . R. Amperes [A] | | 25.3/12.6 | 11.6 | | 12.4 | | 13.1 | |
| LRC [A] | | 8.6x(Code M) | | | 7.4x(Code | К) | 7.9x(Code L) | |
| No load current [A] | | 1.88/0.940 | | | 0.990 | | 1.06 | |
| Rated speed [RPN | /] | 1755 | 1445 | | 1450 | | 1455 | |
| Slip [%] | | 2.50 | 3.67 | | 3.33 | | 3.00 | |
| Rated torque [kgfm] | | 0.414 | 0.502 | | 0.501 | | 0.499 | |
| Locked rotor torque [%] | | 280 | 210 | | 240 | | 260 | |
| Breakdown torque [%] | | 360 | 250 | | 280 | | 310 | |
| Service factor | | 1.15 | 1.00 | | 1.00 | | 1.00 | |
| Temperature rise | | | | 80 K | 80 K | | 80 K | |
| Locked rotor time | | 32s (cold) 18s (hot) | | | 36s (cold) 20s | ; (hot) 3 | 6s (cold) 20s (hot) | |
| Noise level ² | | 51.0 dB(A) | | 9.0 dB(A) | 49.0 dB(A | | 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 | |
| | 25% | 00.0 | | 02.0 | 02.0 | | 51.0 | |
| Power Factor | 50% | 0.57 | | 0.62 | 0.58 | | 0.55 | |
| | 75% | 0.68 | | 0.02 | 0.58 | | 0.68 | |
| | 100% | 0.08 | | 0.74 | 0.70 | | 0.75 | |
| | 100 /0 | | | | | | 0.75 | |
| Bearing type | | 6205 2RS 6204 2RS Max. tra | | | | | | |
| Sealing | | : Oil Seal Lip | Oil Seal Lip Seal Max. compression | | ssion | ion : 60 kgf | | |
| Lubrication inter | | : - | - | | | | | |
| Lubricant amour | nt | | - | | | | | |
| Lubricant type Notes | 3 164 SE 1 | : Mobil Polyrex E | =1VI | | | | | |
| IISABIE @2001 | | 10 01 A 0.04A | | | | | | |
| USABLE @208V | | | | | | | | |
| This revision repl must be eliminate (1) Looking the m (2) Measured at 2 | aces and car ed. totor from the 1m and with t weight subject ocess. | ncel the previous one, where the previous one, where the previous one, where the shaft end. The shaft end. The shaft end of +3dB(A). The shaft end of the shaft | hich | | erage values bas , subject to the to | | | |
| This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pro- | aces and car ed. totor from the 1m and with t weight subject ocess. | e shaft end. olerance of +3dB(A). | | power supply MG-1. | r, subject to the to | | | |
| This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate manufacturing pr (4) At 100% of fu Rev. Performed by | aces and car ed. totor from the 1m and with t weight subject ocess. | e shaft end. colerance of +3dB(A). ct to changes after | | power supply MG-1. | r, subject to the to | lerances sti | Date | |
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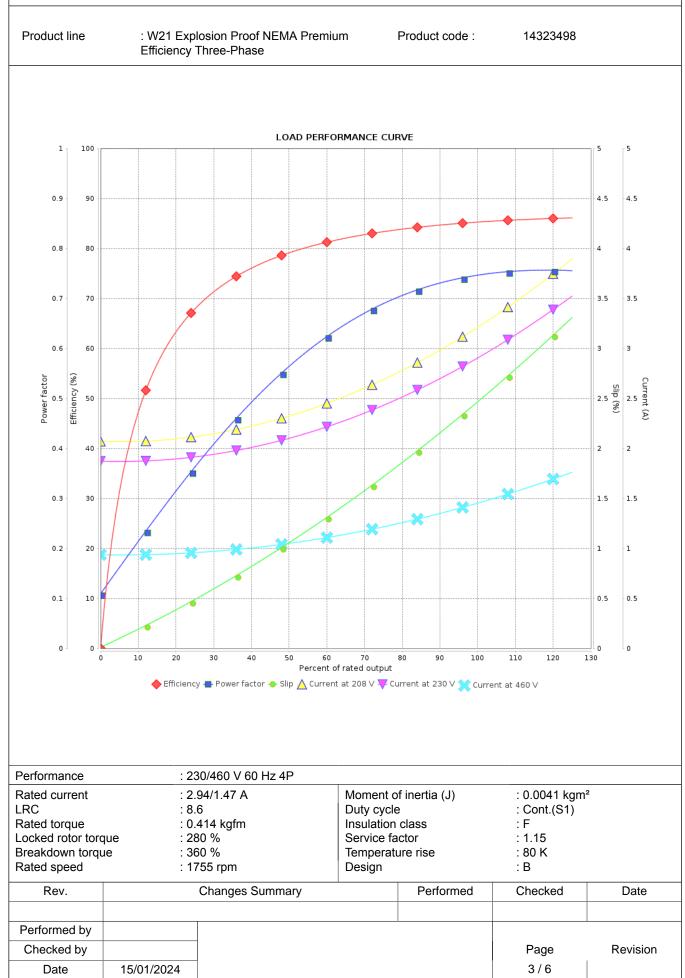
| ID | Application | Туре | Quantity | Sensing Temperature | |
|-------------------------|-------------|----------------------|-----------|---------------------|----------|
| 1 | Winding | Thermostat - 2 wires | 1 x Phase | 15 | 55 °C |
| | | | | | |
| | | | | | |
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| Rev. | Change | es Summary | Performed | Checked | Date |
| rformed by necked by | | | | Page | Revision |
| | 15/01/2024 | | | 2/6 | |



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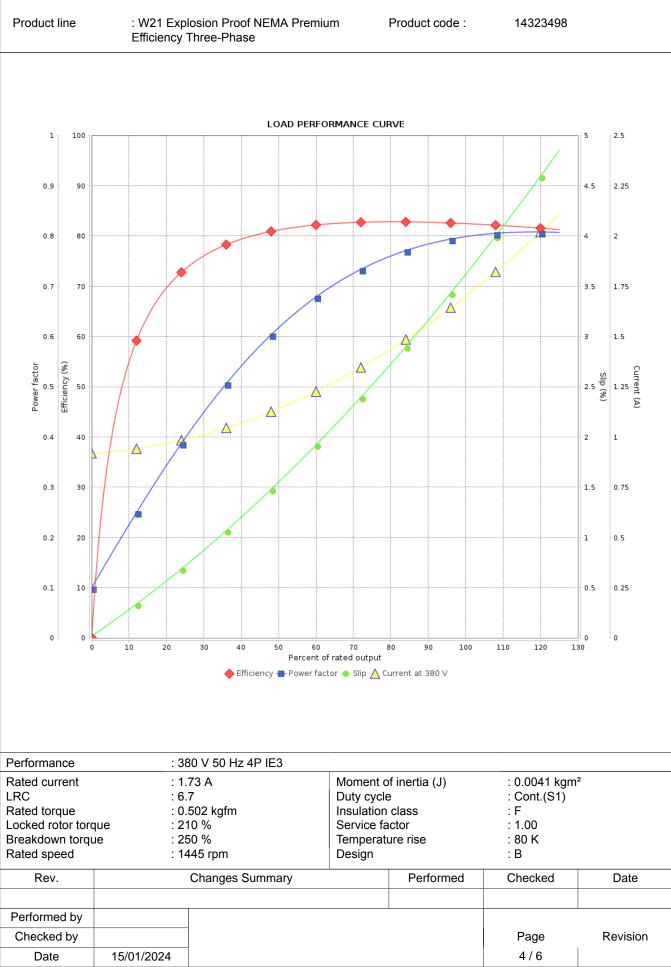
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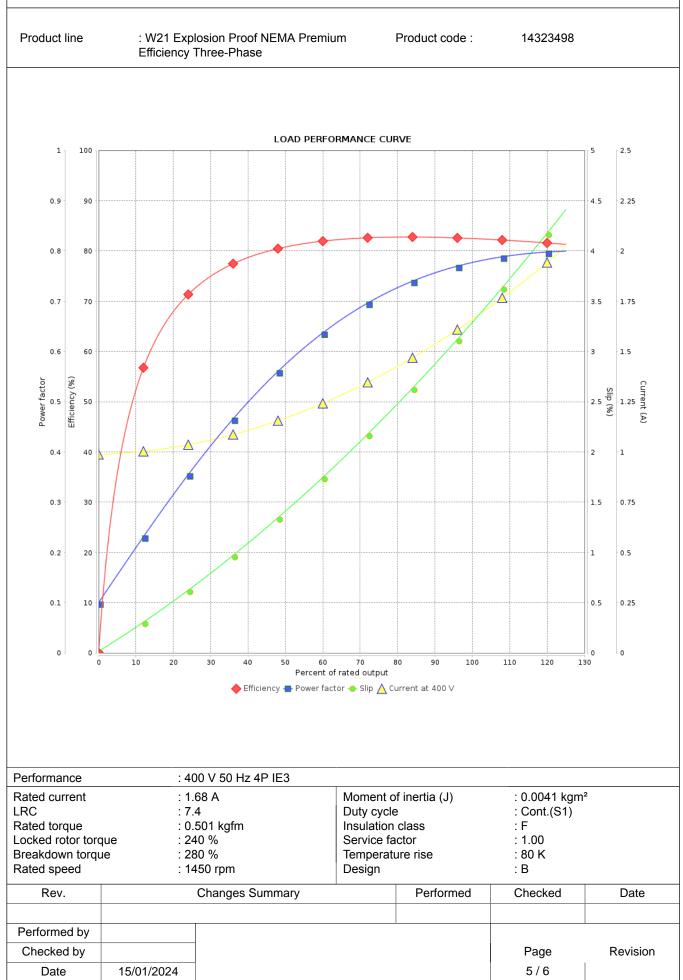


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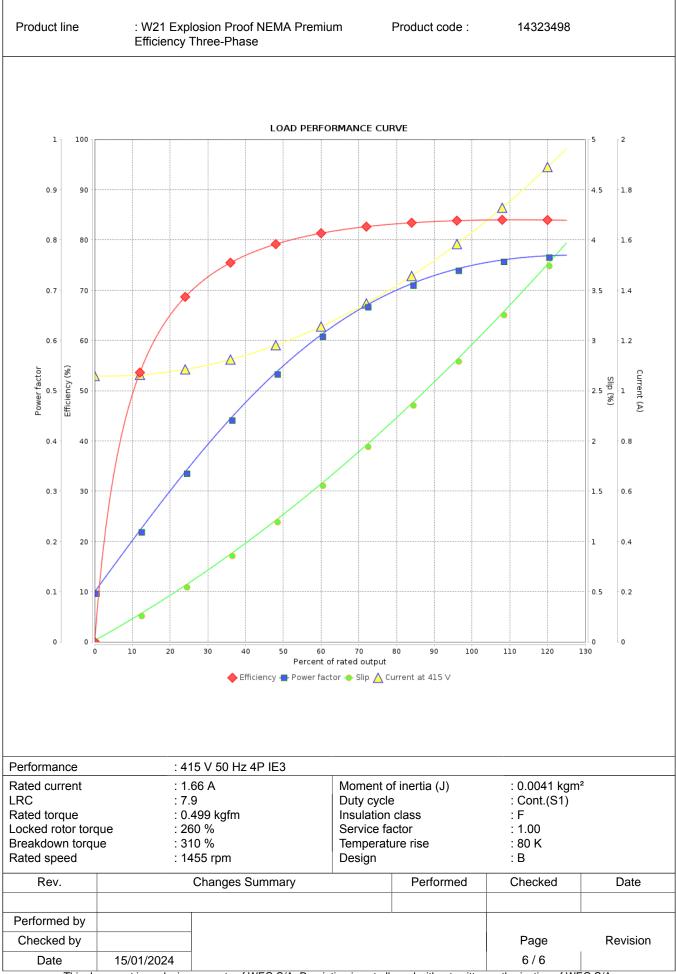
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