DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

| Product line | | xplosion Proof NEMA I cy Three-Phase | Premiun | n Pro | oduct code : | 156167 | 17 | | |
|---|---|---|---|--|---|--|--|--|--|
| Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree | | : 504/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 | | 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 : 1236 kg : 5.63 kgm² | | | |
| Design | | : B | | | | | | | |
| Output [HP] | | 200 | | 150 | 15 | - | 150 | | |
| Poles | | 6 | 6 | | 6 | | 6 | | |
| Frequency [Hz] | | 60 | 50 | | 5 | | 50 | | |
| Rated voltage [V] | | 230/460 498/249 | 380 228 | | 40 | | 415 223 | | |
| Rated current [A] | | 3884/1942 | 1824 | | 19 | | 223 | | |
| L. R. Amperes [A] | | 7.8x(Code J) | | | | | | | |
| LRC [A] | | 250/125 | 8.0x(Code K) 123 | | 8.8x(C | | 9.2x(Code L) 140 | | |
| No load current [A] | | 1190 | | 990 | 99 | | 990 | | |
| Rated speed [RPM] | | 0.83 | | 1.00 | 1.0 | | 1.00 | | |
| Slip [%] Bated torque [kafm] | | 122 | | 110 | 11 | | 110 | | |
| Rated torque [kgfm] | | 270 | | 270 | 30 | | 340 | | |
| Locked rotor torque [%] Breakdown torque [%] | | 280 | | 300 | 32 | | 360 | | |
| Service factor | , [,0] | 1.15 | | 1.00 | 1.0 | | 1.00 | | |
| | | 80 K | | 80 K | 80 | | 80 K | | |
| Temperature rise Locked rotor time | | 25s (cold) 14s (hot) | 210 (1 | cold) 12s (hot | | | 21s (cold) 12s (hot) | | |
| Noise level ² | | 73.0 dB(A) | | 6010) 120 (1101 69.0 dB(A) | 69.0 0 | | 69.0 dB(A) | | |
| | 25% | | | | | | | | |
| | 50% | 94.5 | | 94.0 | 93 | .6 | 93.0 | | |
| Efficiency (%) | 75% | 95.4 | 95.0 | | 94 | | 94.5 | | |
| | 100% | 95.8 | | 95.4 | 95 | | 95.4 | | |
| | 25% | | | | | | | | |
| | 50% | 0.60 | | 0.57 | 0.5 | 52 | 0.50 | | |
| Power Factor | 75% | 0.73 | | 0.70 | 0.0 | | 0.63 | | |
| | 100% | 0.79 | | 0.77 | 0.7 | | 0.72 | | |
| Bearing type Sealing Lubrication interval Lubricant amount Lubricant type | | NU-319 C3 63 ⁻ Viton Vito Oil Seal 7683 h 12- 45 g 3 | NU-319 C3 6316 C3 Viton Viton Seal Oil Seal 12823 h | | Foundation loads Max. traction : 2498 kgf Max. compression : 3734 kgf | | | | |
| Notes USABLE @208V | 551A SF 1.00 |) SFA 551A | | | | | | | |
| must be eliminate (1) Looking the m | ed. lotor from the Im and with to weight subject ocess. | lerance of +3dB(A). | hich | | • | | ts with sinusoidal stipulated in NEMA | | |
| | | Rev. Changes Summary | | | D () | Checked | | | |
| Rev. | | Changes Summary | | | Performed | Checked | I Date | | |
| - | | Changes Summary | | | Performed | Checked | | | |
| Performed by | | Changes Summary | | | Performed | | | | |
| - | 16/01/2024 | | | | Performed | Page 1 / 6 | Revision | | |

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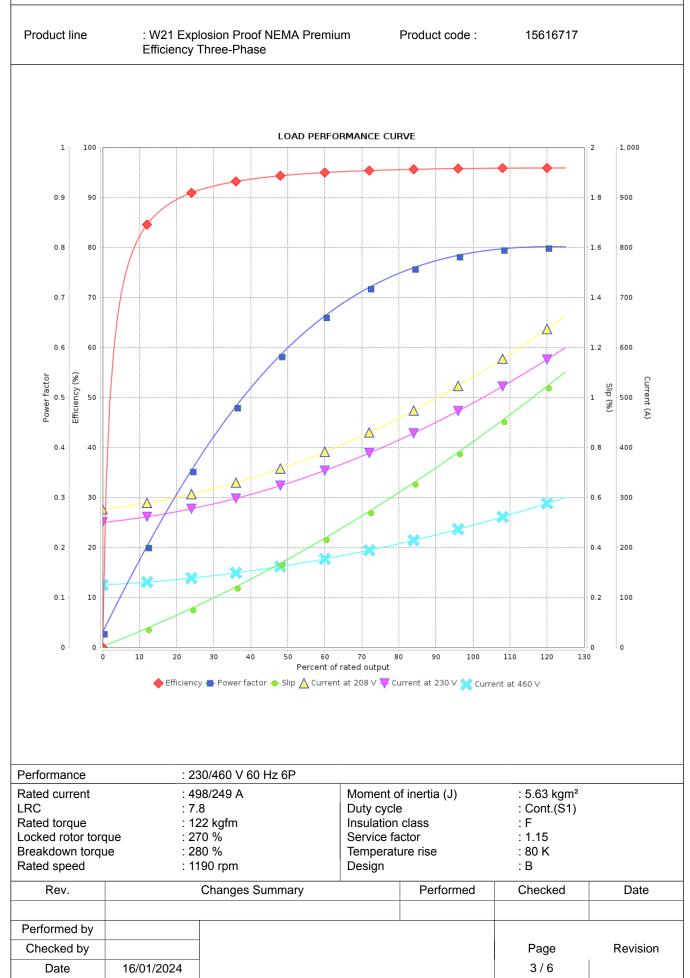
| ID | Application | Туре | Quantity | Sensing | Temperature |
|-------------------|-------------|----------------------|-----------|---------|-------------|
| 1 | Winding | Thermostat - 2 wires | 1 x Phase | 1 | 55 °C |
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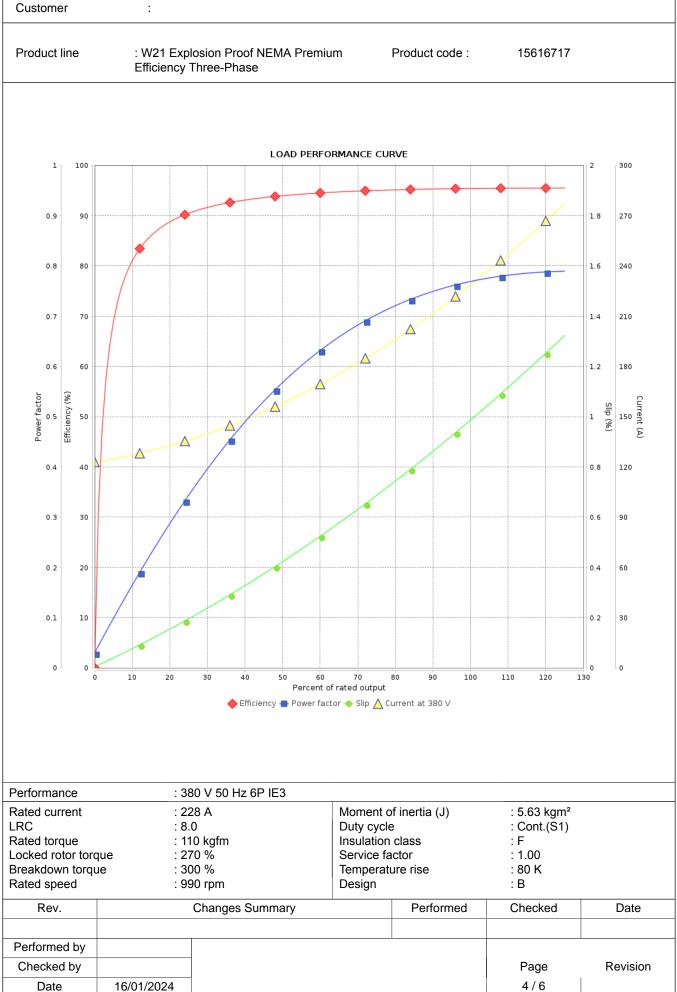
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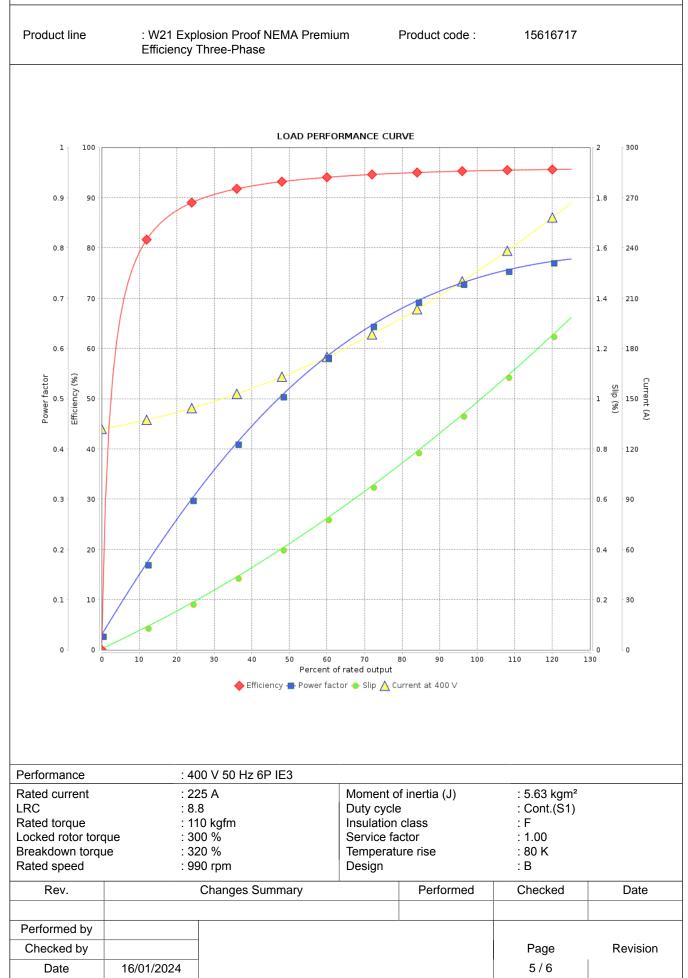


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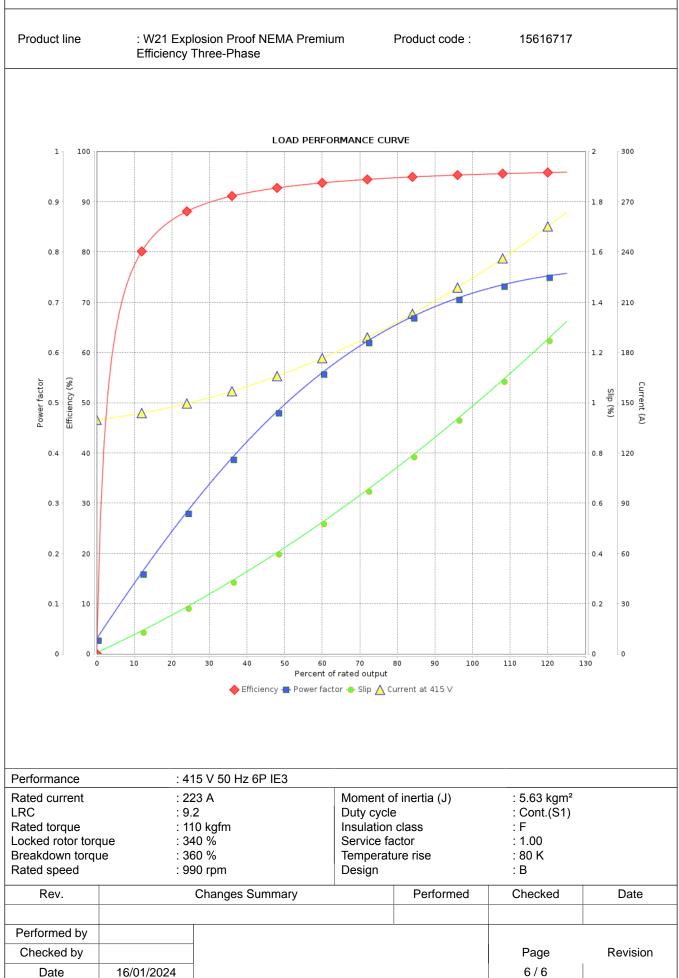
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