DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

| Product line : W21 Explosion Proof NEM/ Premium Efficiency Three-Pt | | | | : 14 | 14283768 | | |
|---|--|---|----------------------------------|--|---|--|------------|
| Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor Moment of inerti Design | ue | : 143/5TC : 1.5 HP (1.1 : 4 : 60 Hz : 575 V : 1.64 A : 14.6 A : 8.9x(Code : 0.960 A : 1755 rpm : 2.50 % : 0.620 kgfm : 270 % : 350 % : F : 1.15 : 0.0055 kgn : B | L) | Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³ | : E : (: - : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 | 25s (cold) 14s 80 K Cont.(S1) -20°C to +40°(1000 m.a.s.l. IP55 IC411 - TEFC F-1 Both (CW and 51.0 dB(A) Direct On Line 33.1 kg | ccw) |
| Output | 50% | 75% | 100% | Foundation loads | | | |
| Efficiency (%) Power Factor | 81.5 0.58 | 85.5 0.70 | 86.5 0.78 | Max. traction Max. compression | | 4 kgf 9 kgf | |
| | nt | | | | | | |
| Lubricant amoun Lubricant type Notes | | | Mot | bil Polyrex EM | | | |
| Lubricant type | laces and ca ed. notor from th 1m and with weight subje rocess. | e shaft end. tolerance of +3 | us one, which dB(A). | These are average val power supply, subject MG-1. | | | |
| Lubricant type Notes This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr | laces and ca ed. notor from th 1m and with weight subje rocess. | e shaft end. tolerance of +3 | us one, which dB(A). ífter | These are average val power supply, subject | to the tolera | | |
| Lubricant type Notes This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev. Performed by | laces and ca ed. notor from th 1m and with weight subje rocess. | e shaft end. tolerance of +3 ect to changes a | us one, which dB(A). ífter | These are average val power supply, subject MG-1. | to the tolera | ecked | ed in NEMA |
| Lubricant type Notes This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev. | laces and ca ed. notor from th 1m and with weight subje rocess. | e shaft end. tolerance of +3 ect to changes a Changes | us one, which dB(A). ífter | These are average val power supply, subject MG-1. | to the tolera | inces stipulate | ed in NEMA |

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| | Application | Thermal protection | Oursette | 0 arraine | Tomaserate |
|--------------|-------------|----------------------|-----------|-----------|-------------|
| ID 1 | Application | Type | Quantity | | Temperature |
| 1 | Winding | Thermostat - 2 wires | 1 x Phase | 1 | 55 °C |
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| Rev. | Changes | Summary | Performed | Checked | Date |
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| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 28/10/2024 | | | 2/3 | |

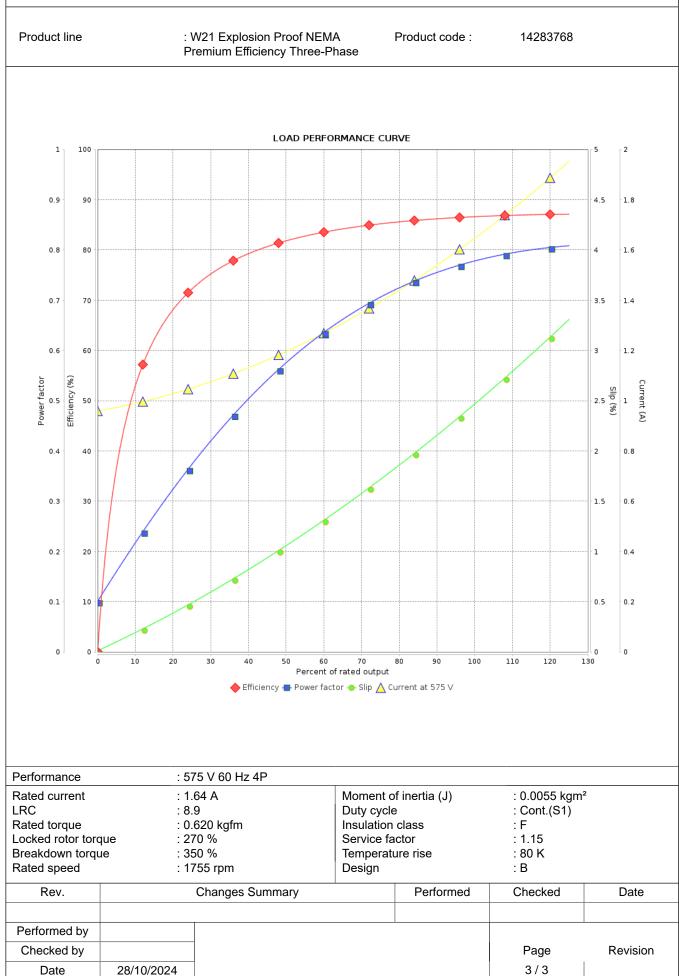


LOAD PERFORMANCE CURVE

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