

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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|--|---|------|----------------|--|--|----------|
| Customer : | | | | | | |
| Product line | : W40 NEMA Premium Efficiency Three-Phase | | Product code : | 14501319 | | |
| | | | | Catalog # : 05018OT3P326TSCF2-W4 | | |
| <p>Frame : 324/6TSC Output : 50 HP (37 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200 V Rated current : 135 A L. R. Amperes : 848 A LRC : 6.3x(Code G) No load current : 53.4 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 148 ft.lb Locked rotor torque : 240 % Breakdown torque : 240 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 7.08 sq.ft.lb Design : B</p> | | | | Locked rotor time : 19s (cold) 11s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-2 Rotation ¹ : Both (CW and CCW) Noise level ² : 66.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 523 lb | | |
| Output | 25% | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 94.0 | 94.1 | 94.5 | 94.5 | Max. traction | |
| Power Factor | 0.44 | 0.70 | 0.80 | 0.84 | Max. compression | |
| Bearing type : 6312 Z C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 21 g Lubricant type : Mobil Polyrex EM | | | | | Drive end Non drive end 6211 Z C3 Without Bearing Seal 20000 h 11 g | |
| Notes: | | | | | | |
| This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. | | | | | These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. | |
| Rev. | Changes Summary | | | Performed | Checked | Date |
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| Performed by | | | | | Page | Revision |
| Checked by | | | | | | |
| Date | 29/03/2024 | | | | 1 / 1 | |