DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 In Line Extra Thrust NEMA Product code: 15524329 Premium Efficiency Three-Phase : 215LP Locked rotor time Frame : 270s (cold) 150s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 208-230/460 V : 1000 m.a.s.l. Rated voltage Altitude Rated current : 25.9-23.5/11.7 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 179-162/80.7 A Cooling method **LRC** : 6.9x(Code H) Mounting : W-6 : Both (CW and CCW) No load current : 6.50-7.60/3.80 A Rotation¹ Rated speed : 3525 rpm Noise level² : 72.0 dB(A) : Direct On Line Slip : 2.08 % Starting method Rated torque : 2.06 kgfm Approx. weight³ : 110 kg Locked rotor torque : 210 % Breakdown torque : 280 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0232 kgm² Design : B 25% 50% 75% 100% Foundation loads Output Efficiency (%) 0.000 88.5 90.2 90.2 Max. traction Power Factor 0.00 0.79 0.87 0.89 Max. compression Drive end Non drive end Bearing type 6309 7306BECB Oil Seal Sealing Lip Seal Lubrication interval 7898 h 8437 h Lubricant amount 13 g 7 g Lubricant type Mobil Polyrex EM 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.

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LOAD PERFORMANCE CURVE

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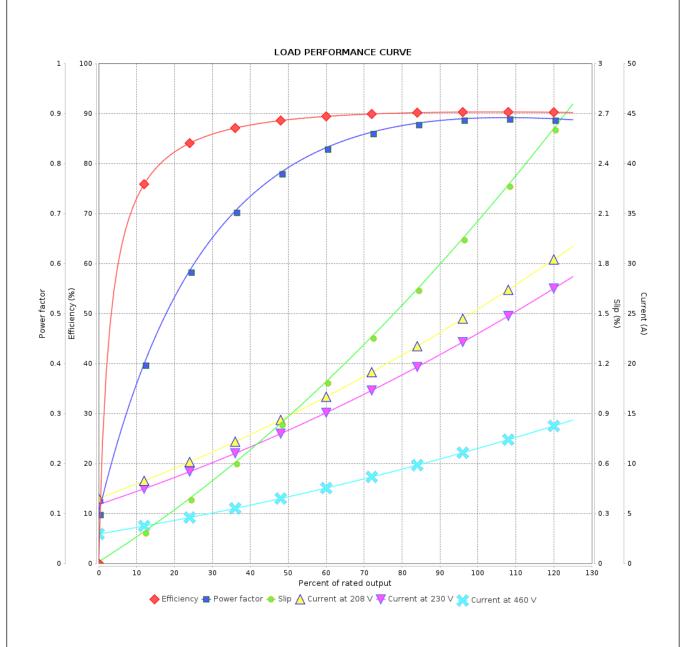


Customer :

Product line : W21 In Line Extra Thrust NEMA

Premium Efficiency Three-Phase

Product code: 15524329



Performance : 208-230/460 V 60 Hz 2P : 25.9-23.5/11.7 A Moment of inertia (J) : 0.0232 kgm² Rated current **LRC** : Cont.(S1) : 6.9 Duty cycle : 2.06 kgfm Insulation class : F Rated torque Locked rotor torque : 210 % Service factor : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 3525 rpm Design : B

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