DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 In Line Extra Thrust NEMA Premium Product code: 15524329 Efficiency Three-Phase : 215LP Locked rotor time Frame : 270s (cold) 150s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles : 2 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 208-230/460 V 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 25% 50% 75% 100% Output Foundation loads 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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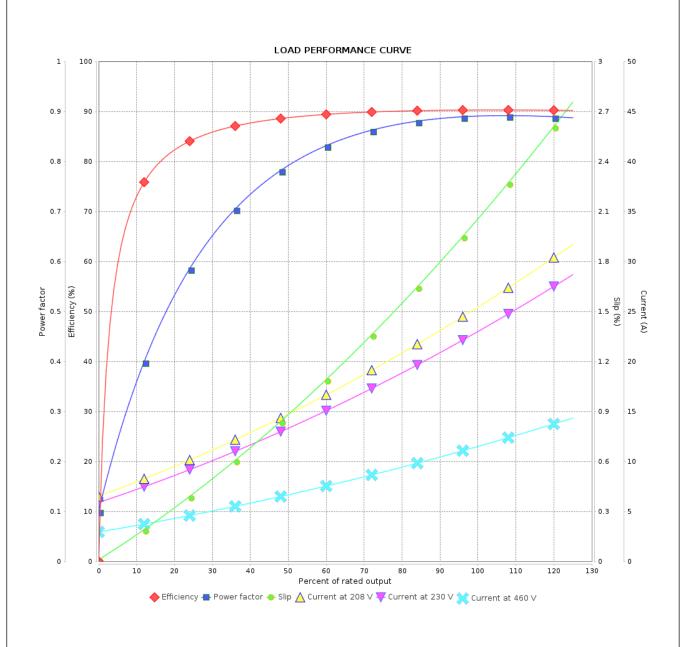


Customer

Product line : W21 In Line Extra Thrust NEMA Premium

Efficiency Three-Phase

Product code: 15524329



Performance		: 208-230/460 V 60 Hz 2P							
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 2. que : 21 ie : 28	5.9-23.5/11.7 A 9 06 kgfm 10 % 30 % 525 rpm	Duty cycle 6 kgfm Insulation class 9 % Service factor 1 mperature rise		: 0.0232 kgm² : Cont.(S1) : F : 1.15 : 80 K : B				
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Date