## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 In Line Extra Thrust NEMA Product code: 14922725 Premium Efficiency Three-Phase : 326LP Frame Locked rotor time : 59s (cold) 33s (hot) Output : 50 HP (37 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 : 124-112/56.1 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 893-806/404 A Cooling method **LRC** : 7.2x(Code H) Mounting : W-6 : Both (CW and CCW) No load current : 24.7-28.2/14.1 A Rotation<sup>1</sup> Rated speed : 3560 rpm Noise level<sup>2</sup> : 81.0 dB(A) Slip : 1.11 % Starting method : Direct On Line Rated torque : 10.2 kgfm Approx. weight<sup>3</sup> : 330 kg Locked rotor torque : 280 % Breakdown torque : 260 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.2284 kgm<sup>2</sup> Design : B 25% 50% 100% Output 75% Foundation loads Efficiency (%) 0.000 92.4 93.6 94.1 Max. traction Power Factor 0.00 0.81 0.87 0.88 Max. compression Drive end Non drive end Bearing type 6212 C3 7310BECB Oil Seal Sealing Lip Seal Lubrication interval 6072 h 4017 h Lubricant amount 13 g 15 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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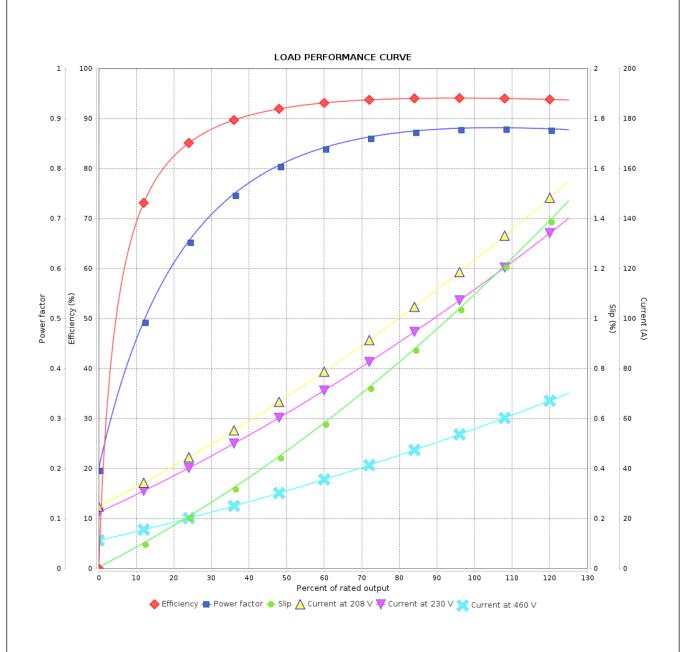


Customer :

Product line : W21 In Line Extra Thrust NEMA

Premium Efficiency Three-Phase

Product code: 14922725



Performance	: 208-230/460 V 60 Hz 2P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 124-112/56.1 A : 7.2 : 10.2 kgfm : 280 % : 260 % : 3560 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2284 kgm² : Cont.(S1) : F : 1.15 : 80 K : B				
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Date