DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 In Line Extra Thrust NEMA Product code: 14643833 Premium Efficiency Three-Phase : 215LP Locked rotor time Frame : 41s (cold) 23s (hot) Output : 7.5 HP (5.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 230/460 V Altitude Rated current : 17.1/8.57 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 120/60.0 A Cooling method **LRC** : 7.0x(Code H) Mounting : W-6 : Both (CW and CCW) No load current : 4.61/2.31 A Rotation¹ Rated speed : 3530 rpm Noise level² : 72.0 dB(A) : Direct On Line Slip : 1.94 % Starting method Rated torque : 1.54 kgfm Approx. weight³ : 109 kg Locked rotor torque : 220 % Breakdown torque : 300 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0198 kgm² Design : B 25% 50% 75% 100% Foundation loads Output Efficiency (%) 0.000 85.5 88.5 89.5 Max. traction Power Factor 0.90 0.00 0.78 0.87 Max. compression Drive end Non drive end Bearing type 6309 7306BECB Lip Seal Oil Seal Sealing 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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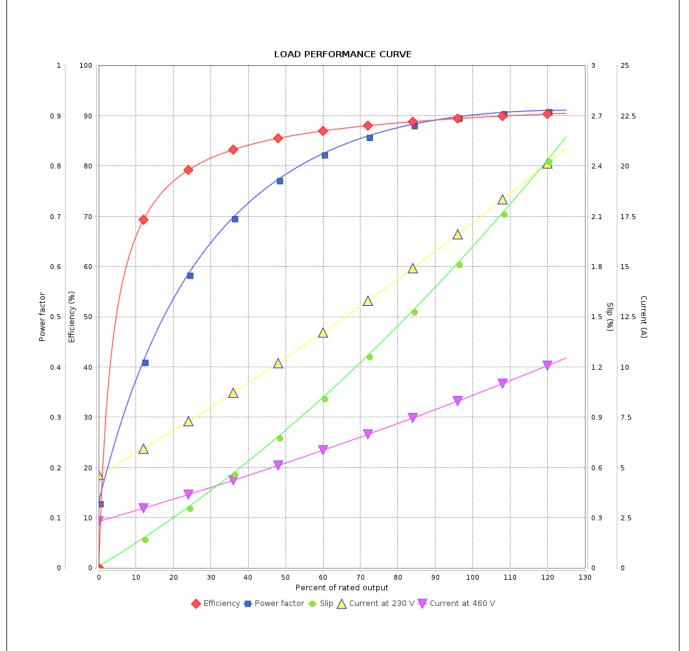


Customer :

Product line : W21 In Line Extra Thrust NEMA

Premium Efficiency Three-Phase

Product code: 14643833



Performance	• 3	20/460 V 60 H= 2D	<u> </u>				
Periormance	. Z	30/460 V 60 Hz 2P	T T				
Rated current		: 17.1/8.57 A		Moment of inertia (J)		: 0.0198 kgm²	
LRC	: 7	Duty cycle		: Cont.(S1)			
Rated torque	: 1.	.54 kgfm	Insulation class		: F		
Locked rotor torq	ue : 2:	20 %	Service fa	Service factor		: 1.25	
Breakdown torqu	ie : 3	00 %	Temperati	Temperature rise			
Rated speed	: 3	530 rpm	Design		: B		
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29/10/2024

Date

