DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 12448182 Three-Phase : 324/6TSC Locked rotor time Frame : 39s (cold) 22s (hot) Output : 40 HP (30 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 : 575 V Altitude Protection degree Rated current : 37.0 A : IP55 : IC411 - TEFC L. R. Amperes : 233 A Cooling method LRC : 6.3x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 10.0 A Rotation¹ Rated speed : 3555 rpm Noise level² : 76.0 dB(A) : Direct On Line Slip : 1.25 % Starting method Rated torque : 8.15 kgfm Approx. weight³ : 226 kg Locked rotor torque : 250 % Breakdown torque : 240 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.2063 kgm² Design : B 25% 50% 100% Output 75% Foundation loads Efficiency (%) 0.000 91.7 92.4 92.4 Max. traction : 133 kgf Power Factor 0.00 0.80 0.86 0.88 Max. compression : 359 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 7.4 4.7 4.6 2.2 0.8 Drive end Non drive end 6212 C3 Bearing type 6312 C3 Sealing V'Ring V'Ring 12000 h Lubrication interval 15000 h Lubricant amount 21 g 13 g Lubricant type Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (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. Rev Changes Summary

Nev.		Changes Summary	Fellolliled	Checked	Date	
Performed by						
Checked by				Page	Revision	
Date	19/10/2024			1/2		
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LOAD PERFORMANCE CURVE

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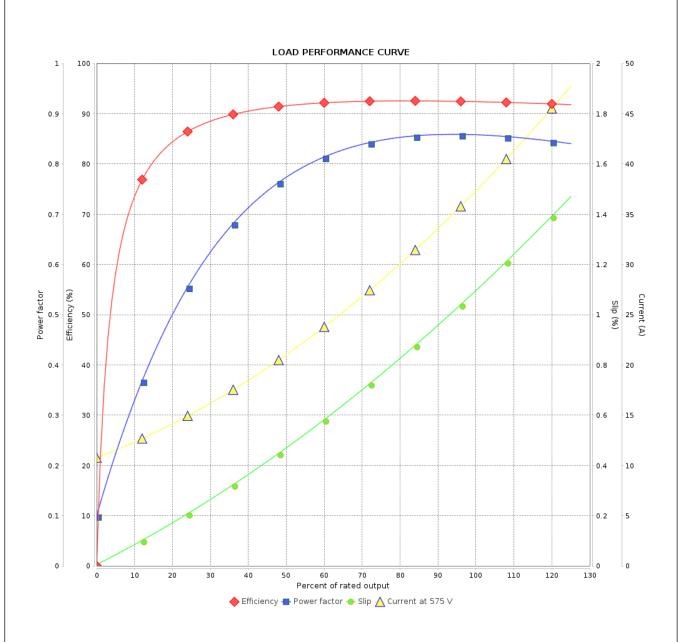


Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12448182



Performance	: 575 V 60 Hz 2P						
Rated current	: 37.0 A	Moment of	Moment of inertia (J)		: 0.2063 kgm²		
LRC	: 6.3	Duty cycle		: Cont.(S1)			
Rated torque	: 8.15 kgfm	Insulation	class	: F			
Locked rotor torque	: 250 %	: 250 % Service factor : 240 % Temperature rise : 3555 rpm Design Changes Summary Performed		: 1.25 : 80 K			
Breakdown torque	: 240 %						
Rated speed	: 3555 rpm			: B			
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