DATA SHEET



Customer	:						
Product line		: W22 NEMA Premium Efficiency Product code : 14829506 Three-Phase					
Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor		: 404/5T : 50 HP (37 kW) : 8 : 60 Hz : 575 V : 48.2 A : 347 A : 7.2x(Code H) : 19.6 A : 880 rpm : 2.22 % : 41.2 kgfm : 170 % : 260 % : F : 1.25		Tempera Duty cyc Ambient Altitude	temperature on degree method g ' vel ² method	: 52s (cold) 29s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 60.0 dB(A) : Direct On Line : 510 kg	
Moment of inert Design	` '	: 1.46 kgm² : B					
Output Efficiency (%) Power Factor	50% 93.0 0.68	75% 93.0 0.78	100% 93.0 0.83	Foundati Max. trac Max. con		: 801 kgf : 1311 kgf	
Losses at norma	ative operating p	oints (speed	torque) in per	centage of ra	ated output power		
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,2		(0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25
7.3	6.3	6.3		3.0	2.2	1.3	0.9
Bearing type : NU-316 C3 Sealing : WSeal Lubrication interval : 17000 h Lubricant amount : 34 g Lubricant type :		NU-316 C3 WSeal 17000 h 34 g	Mobil Polyrex	Non drive end 6314 C3 WSeal 20000 h 27 g	<u> </u>		
Notes							
This revision rep must be eliminat (1) Looking the r (2) Measured at (3) Approximate manufacturing p (4) At 100% of fu	ted. motor from the sl 1m and with tole weight subject t rocess.	haft end. erance of +3	dB(A).		re average values upply, subject to th		
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Rev.		Changes Summary			Performed	Checked	Date

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

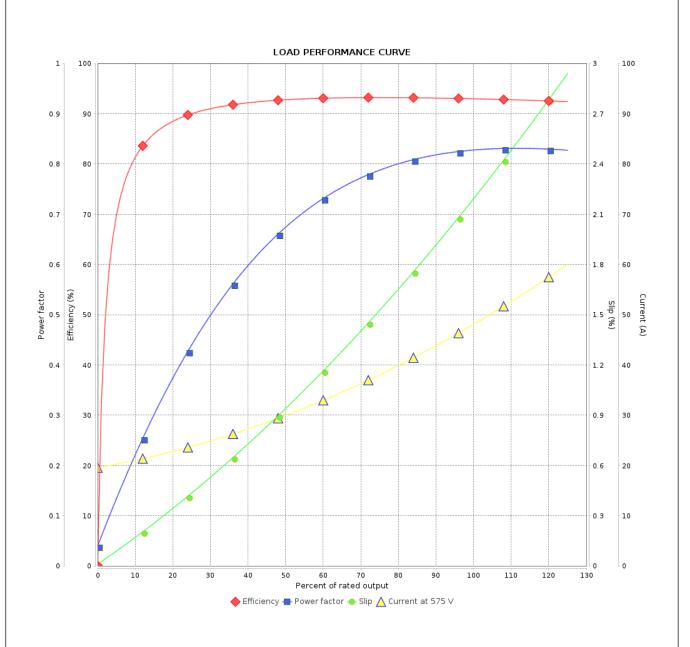


Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 14829506



Performance : 575 V 60 Hz 8P : 48.2 A Rated current Moment of inertia (J) : 1.46 kgm² **LRC** : 7.2 Duty cycle : Cont.(S1) : 41.2 kgfm Insulation class Rated torque : F Locked rotor torque : 170 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 880 rpm Design : B

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Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	21/10/2024				2/2	