DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 Close Coupled Pump JM NEMA Product code: 12603921 Premium Efficiency Three-Phase : 254/6JM Locked rotor time Frame : 55s (cold) 31s (hot) Output : 15 HP (11 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current : 14.4 A Protection degree : IP55 : IC411 - TEFC Cooling method L. R. Amperes : 92.2 A **LRC** : 6.4x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 5.60 A Rotation¹ Rated speed : 1768 rpm Noise level² : 64.0 dB(A) Slip : 1.78 % Starting method : Direct On Line Rated torque : 6.16 kgfm Approx. weight³ : 132 kg Locked rotor torque : 240 % Breakdown torque : 260 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.1104 kgm² Design : B 25% 50% 100% Output 75% Foundation loads Efficiency (%) 90.2 91.0 91.7 92.4 Max. traction : 186 kgf Power Factor 0.44 0.68 0.78 0.83 Max. compression : 317 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P1 (0,9;1,0) P6 (0,5;0,25) P7 (0,25;0,25) 8.1 6.8 3.9 2.7 1.8 1.2 Drive end Non drive end 6309 C3 Bearing type 6209 C3 Sealing V'Ring V'Ring 20000 h 20000 h Lubrication interval Lubricant amount 13 g 9 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. Checked Rev. **Changes Summary** Performed Date Performed by

Checked by			Page	Revision			
Date	14/01/2024		1/2				
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LOAD PERFORMANCE CURVE

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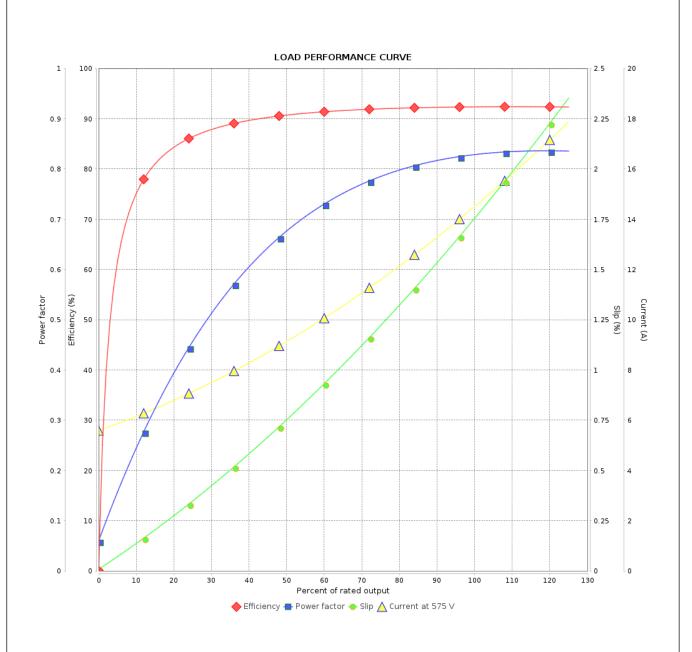


Customer :

Product line : W22 Close Coupled Pump JM NEMA

Premium Efficiency Three-Phase

Product code: 12603921



Performance	: 5	75 V 60 Hz 4P				
Rated current	: 1	.4 A Moment of inertia (J)		: 0.1104 kgm²		
LRC	: 6	.4	Duty cycle		: Cont.(S1)	
Rated torque	: 6	.16 kgfm	m Insulation class		:F	
Locked rotor torq	ue : 2	40 %	Service factor		: 1.25	
Breakdown torqu	e : 2	60 %	Temperature rise		: 80 K	
Rated speed	: 1	1768 rpm Design		: B		
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