DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 11168080 Efficiency Three-Phase : 324JM Locked rotor time Frame : 50s (cold) 28s (hot) Output : 40 HP (30 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 Protection degree Rated current : 38.6 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 239 A **LRC** : 6.2x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 14.8 A Rotation¹ Rated speed : 1775 rpm Noise level² : 64.0 dB(A) : Direct On Line Slip : 1.39 % Starting method Rated torque : 16.4 kgfm Approx. weight³ : 219 kg Locked rotor torque : 220 % Breakdown torque : 229 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.2551 kgm² Design 25% 50% 100% Output 75% Foundation loads Efficiency (%) 93.5 93.6 94.1 94.1 Max. traction : 364 kgf Power Factor : 583 kgf 0.43 0.68 0.78 0.83 Max. compression Non drive end Drive end 6312 Z C3 Bearing type 6212 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h Lubricant amount 21 g 13 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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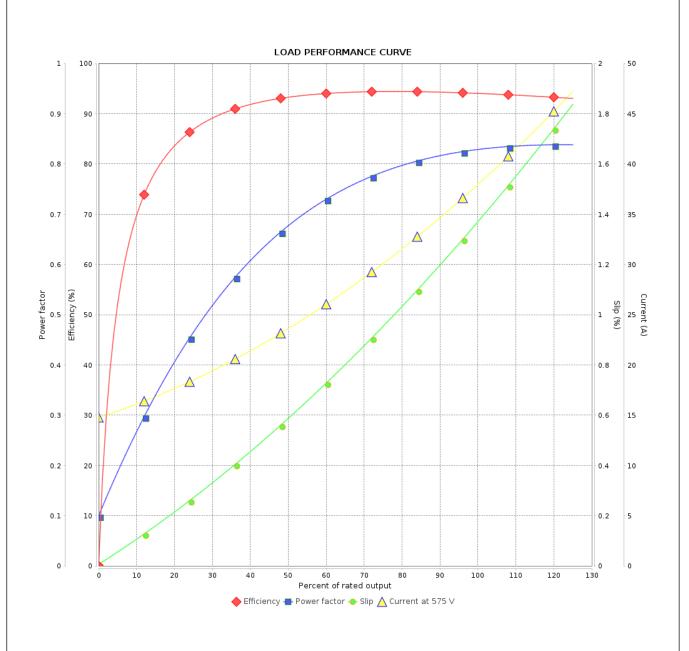


Customer :

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11168080



Performance	: 575 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 38.6 A : 6.2 : 16.4 kgfm : 220 % : 229 % : 1775 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2551 kgm² : Cont.(S1) : F : 1.15 : 80 K : B				
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Date