DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 11115983 Efficiency Three-Phase : 326JP Locked rotor time Frame : 21s (cold) 12s (hot) Output : 50 HP (37 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 47.9 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 302 A **LRC** : 6.3x(Code G) Mounting : W-6 : Both (CW and CCW) No load current : 19.2 A Rotation¹ Rated speed : 1775 rpm Noise level² : 65.0 dB(A) : Direct On Line Slip : 1.39 % Starting method Rated torque : 20.4 kgfm Approx. weight³ : 255 kg Locked rotor torque : 240 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.2965 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 94.1 94.5 94.5 Max. traction : 516 kgf : 771 kgf Power Factor 0.70 0.79 0.82 Max. compression

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

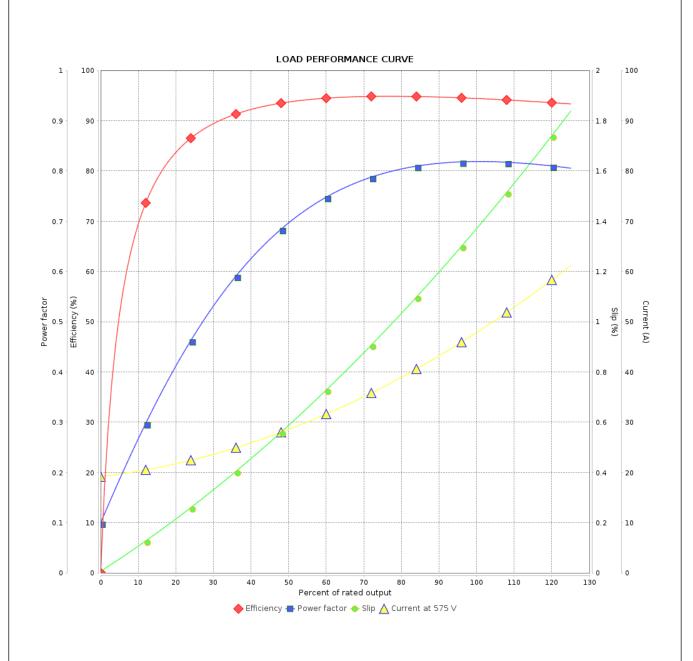


Customer :

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11115983



Performance	: 575 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 47.9 A : 6.3 : 20.4 kgfm : 240 % : 250 % : 1775 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.2965 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

2/2

14/01/2024

Date