DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 11168042 Efficiency Three-Phase Locked rotor time Frame : 284JM : 27s (cold) 15s (hot) Output : 25 HP (18.5 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 : 23.9 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 160 A **LRC** : 6.7x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 9.60 A Rotation¹ Rated speed : 1770 rpm Noise level² : 62.0 dB(A) : Direct On Line Slip : 1.67 % Starting method Rated torque : 10.3 kgfm Approx. weight³ : 170 kg Locked rotor torque : 250 % Breakdown torque : 280 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.1435 kgm² Design 25% 50% 100% Output 75% Foundation loads Efficiency (%) 91.7 92.4 93.0 93.6 Max. traction : 325 kgf Power Factor 0.43 0.67 0.78 0.83 Max. compression : 495 kgf Non drive end Drive end Bearing type 6311 Z C3 6211 Z C3

Bearing type : 6311 Z C3 6211 Z C3
Sealing : Without Bearing Seal
Lubrication interval : 20000 h
Lubricant amount : 18 g 11 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

Three Phase Induction Motor - Squirrel Cage



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Customer

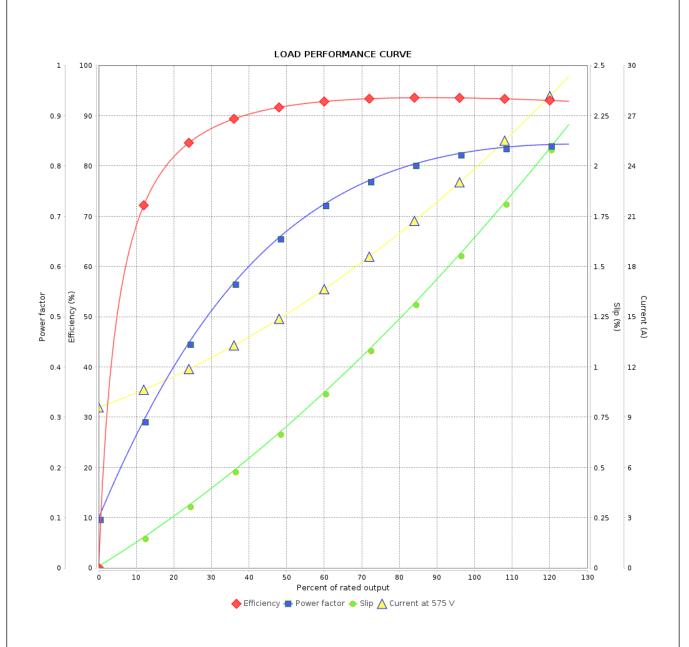
Date

14/01/2024

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11168042



D	. 575 \ / 00 LI= 4D	<u>.</u>				
Performance	: 575 V 60 Hz 4P					
Rated current	: 23.9 A		Moment of inertia (J)		: 0.1435 kgm²	
LRC	: 6.7	Duty cycle		: Cont.(S1)		
Rated torque	: 10.3 kgfm	Insulation class		: F		
Locked rotor torqu	e : 250 %	Service factor		: 1.15		
Breakdown torque	: 280 %	Temperatu	Temperature rise		: 80 K	
Rated speed	: 1770 rpm	Design		: B		
Rev.	Changes Summary		Performed	Checked	Date	
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