## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 11169004 Efficiency Three-Phase : 284JM Locked rotor time Frame : 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 Rotation<sup>1</sup> Rated speed : 1770 rpm Noise level<sup>2</sup> : 62.0 dB(A) : Direct On Line Slip : 1.67 % Starting method Rated torque : 10.3 kgfm Approx. weight<sup>3</sup> : 170 kg Locked rotor torque : 250 % Breakdown torque : 280 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.1435 kgm<sup>2</sup> Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 92.4 93.0 93.6 Max. traction : 325 kgf Power Factor 0.67 0.78 0.83 Max. compression : 495 kgf Non drive end Drive end Bearing type 6311 Z C3 6211 Z C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 20000 h 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

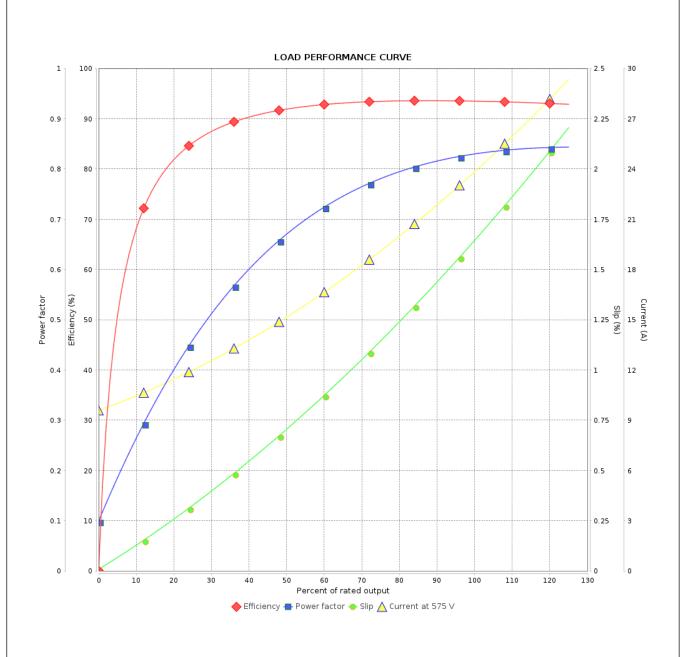


Customer :

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11169004



Performance	: 5	75 V 60 Hz 4P					
Rated current	: 2	23.9 A Momen		of inertia (J)	: 0.1435 kgm²		
LRC		.7 Duty cycle		: Cont.(S1)			
Rated torque	: 10	0.3 kgfm Insulation class		: F			
Locked rotor torc	que : 2:	50 %	Service factor		: 1.15		
Breakdown torqu	ie : 2	80 %	Temperat	Temperature rise		: 80 K	
Rated speed	: 1	1770 rpm Design			: B		
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