DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 11169007 Efficiency Three-Phase : 286JM Locked rotor time Frame : 25s (cold) 14s (hot) Output : 30 HP (22 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 : 27.9 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 184 A **LRC** : 6.6x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 9.68 A Rotation¹ Rated speed : 1770 rpm Noise level² : 63.0 dB(A) : Direct On Line Slip : 1.67 % Starting method Rated torque : 12.3 kgfm Approx. weight³ : 196 kg Locked rotor torque : 240 % Breakdown torque : 270 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.2063 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 93.6 94.1 94.1 Max. traction : 377 kgf Power Factor : 573 kgf 0.70 0.80 0.84 Max. compression 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

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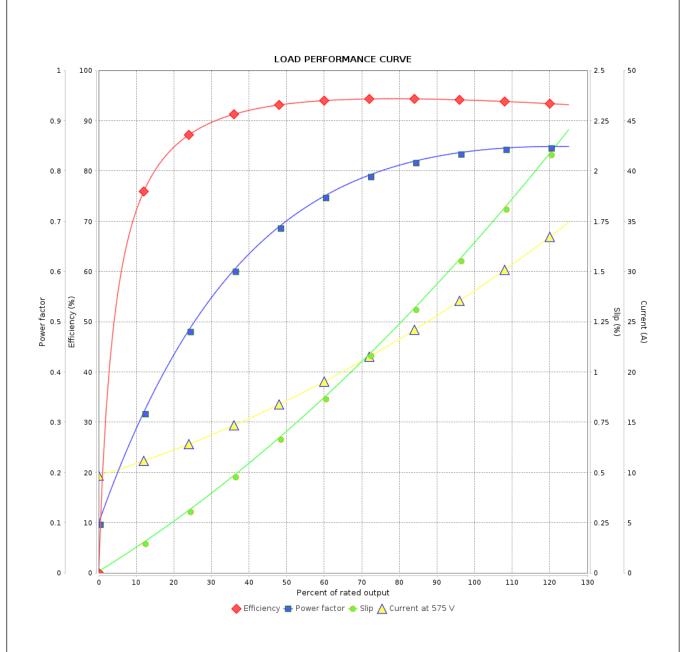


Customer :

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11169007



Performance	: 575 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 27.9 A : 6.6 : 12.3 kgfm : 240 % : 270 % : 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.2063 kgm ² : Cont.(S1) : F : 1.15 : 80 K : B	2
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