DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Saw Arbor Motor Standard Efficiency Three-10733249 Product code: Frame : 80M/MS Locked rotor time : 12s (cold) 7s (hot) Output : 5 HP (3.7 kW) Temperature rise : 80 K Poles : 2 Duty cycle : S1 Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 5.32 A Protection degree : IP54 : IC411 - TEFC L. R. Amperes : 42.5 A Cooling method **LRC** : 8.0 Mounting : B3R(D) No load current : 2.30 A Rotation¹ : CW Rated speed : 3470 rpm Noise level² : 62.0 dB(A) Slip : 3.61 % Starting method : Direct On Line Rated torque : 1.05 kgfm Approx. weight³ : 45.0 kg Locked rotor torque : 340 % Breakdown torque : 409 % : F Insulation class Service factor : 1.00 Moment of inertia (J) : 0.0041 kgm² Design : N 50% 75% Output 100% Foundation loads Efficiency (%) 82.0 84.5 85.0 Max. traction : 67 kgf : 112 kgf Power Factor 0.66 0.77 0.82 Max. compression Non drive end Drive end Bearing type

6307 ZZ Without Bearing Seal

6207 ZZ Without Bearing Seal

Sealing Lubrication interval

Lubricant amount

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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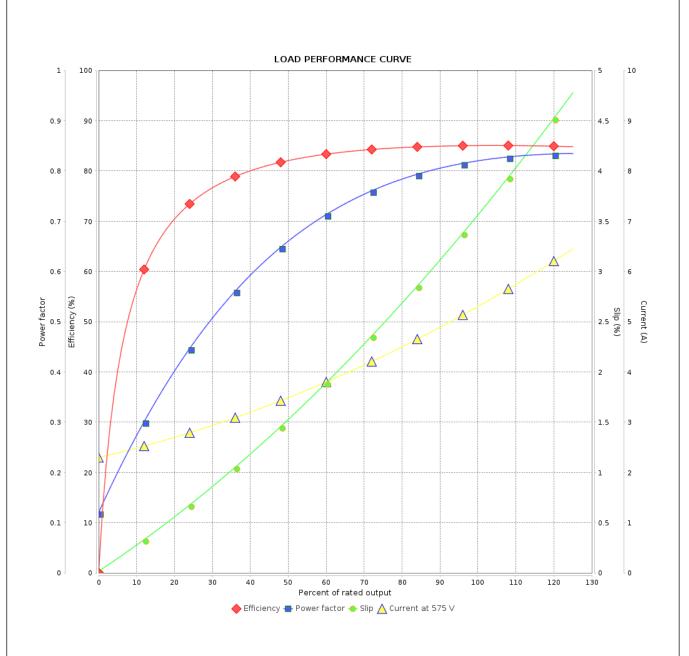
Customer

Product line : Saw Arbor Motor Standard Efficiency Three- Product code : 10733249

Phase

14/01/2024

Date



Performance	: 575 V 60 Hz 2P				
Rated current	: 5.32 A	Moment of inertia (J)		: 0.0041 kgm²	
LRC	: 8.0	Duty cycle		: S1	
Rated torque	: 1.05 kgfm	Insulation class Service factor Temperature rise Design		: F : 1.00 : 80 K	
Locked rotor torque	: 340 % : 409 %				
Breakdown torque					
Rated speed	: 3470 rpm			: N	
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