## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : Saw Arbor Motor Standard Efficiency Three-10796958 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 : 1000 m.a.s.l. Rated voltage : 575 V Altitude 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 Rotation<sup>1</sup> : CCW Rated speed : 3470 rpm Noise level<sup>2</sup> : 62.0 dB(A) Slip : 3.61 % Starting method : Direct On Line Rated torque : 1.05 kgfm Approx. weight<sup>3</sup> : 44.8 kg Locked rotor torque : 340 % Breakdown torque : 409 % : F Insulation class Service factor : 1.00 Moment of inertia (J) : 0.0041 kgm<sup>2</sup> 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 6207 ZZ Sealing

Lubricant amount Lubricant type

Lubrication interval

Without Bearing Seal

Without Bearing Seal

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

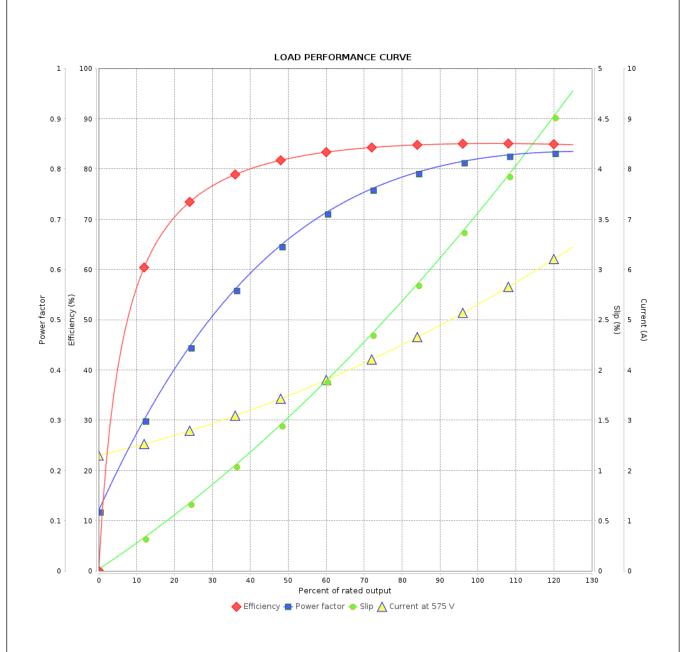
## Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Saw Arbor Motor Standard Efficiency Three- Product code : 10796958

Phase



Performance	: 57	: 575 V 60 Hz 2P							
Rated current	: 5.	.32 A Moment of inerti		of inertia (J)	: 0.0041 kgm²				
LRC	: 8.	: 8.0 Duty cycle : 1.05 kgfm Insulation class : 340 % Service factor : 409 % Temperature rise : 3470 rpm Design		е	: S1 : F				
Rated torque	: 1.			class					
Locked rotor torq	ue : 34			: 1.00					
Breakdown torqu	e : 40			ure rise	: 80 K : N				
Rated speed	: 34								
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