## **DATA SHEET**

Customer

## Three Phase Induction Motor - Squirrel Cage



Product line : Saw Arbor Motor Standard Efficiency Three-Product code: 14212918

: 90L/MS Frame Locked rotor time : 12s (cold) 7s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : S6 : 2

Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 208-230/460 V Altitude Protection degree Rated current : 27.2-24.6/12.3 A : IP54

: IC411 - TEFC L. R. Amperes : 236-214/107 A Cooling method

**LRC** : 8.7 Mounting : B3R(D) : 9.94-8.99/4.50 A No load current Rotation<sup>1</sup> : CCW Rated speed : 3480 rpm Noise level<sup>2</sup> : 68.0 dB(A) Slip : 3.33 % Starting method : Direct On Line

Rated torque : 2.09 kgfm Approx. weight<sup>3</sup> : 75.9 kg Locked rotor torque : 400 % Breakdown torque : 420 % : F Insulation class Service factor

: 0.0140 kgm<sup>2</sup> Moment of inertia (J) Design : N

50% 75% Output 100% Foundation loads Efficiency (%) 82.0 84.5 85.0 Max. traction : 181 kgf : 256 kgf Power Factor 0.77 0.86 0.90 Max. compression

Non drive end Drive end Bearing type 6308 ZZ 6208 ZZ Without Bearing Seal Without Bearing Seal Sealing

Lubrication interval

Lubricant amount

Lubricant type Mobil Polyrex EM

: 1.00

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

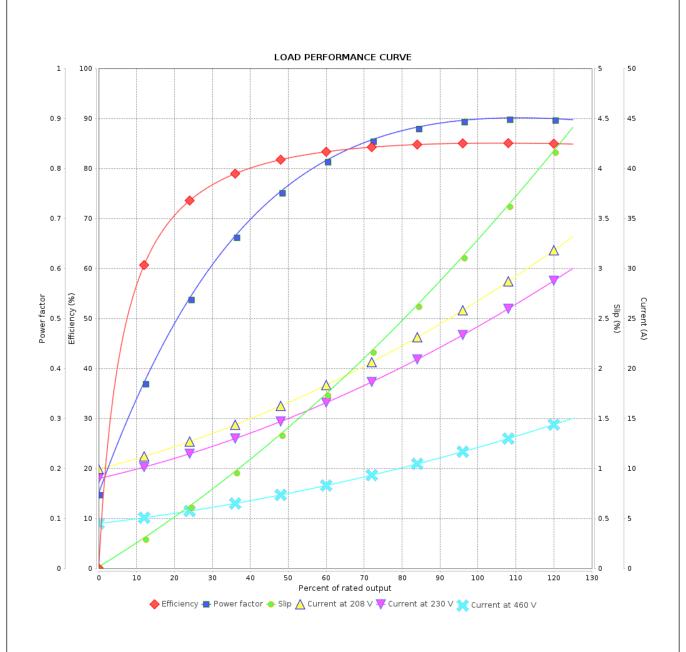
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Saw Arbor Motor Standard Efficiency Three- Product code : 14212918

Phase



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Performance	: 2	08-230/460 V 60 Hz 2	2P				
Rated current		27.2-24.6/12.3 A Moment of inertia		of inertia (J)	: 0.0140 kgm²		
LRC		.7 Duty cycle		: S6			
Rated torque	: 2	2.09 kgfm Insulation class		: F			
Locked rotor tord	que : 4	00 %	Service factor		: 1.00		
Breakdown torqu	ue : 4	20 %	Temperat	Temperature rise		: 80 K	
Rated speed	: 3	: 3480 rpm De			: N		
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