## **DATA SHEET**

Customer

## Three Phase Induction Motor - Squirrel Cage



Product line : Saw Arbor Motor Standard Efficiency Three-10793852 Product code: : 90L/MS Frame Locked rotor time : 12s (cold) 7s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : S1 : 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> : 76.1 kg Locked rotor torque : 400 % Breakdown torque : 420 %

Breakdown torque : 420 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.0140 kgm²

50% 75% Output 100% Foundation loads Efficiency (%) 82.0 84.5 85.0 Max. traction : 180 kgf : 257 kgf Power Factor 0.77 0.86 0.90 Max. compression

Bearing type : 6308 ZZ 6208 ZZ
Sealing : Without Bearing Seal Without Bearing Seal

Lubrication interval : -

Lubricant amount : - -

Lubricant type : Mobil Polyrex EM

: N

Notes:

Design

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



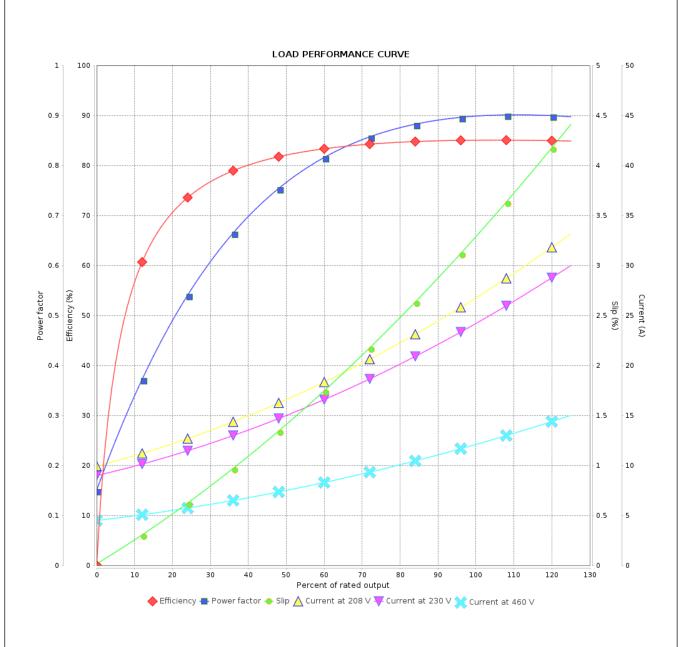
Customer

Product line : Saw Arbor Motor Standard Efficiency Three- Product code : 10793852

Phase

14/01/2024

Date



Performance	: 208-230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torque Rated speed		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0140 kgm² : S1 : F : 1.00 : 80 K : N	
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