DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		: Saw Arbor Motor Standard Efficiency Three-Phase		Product code :	10023134	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 90L/MS : 10 HP (7.5 kW) : 4 : 60 Hz : 208-230/460 V : 32.5-29.4/14.7 A : 276-250/125 A : 8.5 : 18.0-16.3/8.13 A : 1715 rpm : 4.72 % : 4.23 kgfm : 459 % : 450 % : F : 1.15 : 0.0168 kgm² : N		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 10s (cold) 6s (hot) : 80 K : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP54 : IC411 - TEFC : B3R(D) : CCW : 55.0 dB(A) : Direct On Line : 82.5 kg	
Output	50%	75%	100%	Foundation loads		
Efficiency (%) Power Factor	84.5 0.54	85.5 0.67	85.5 0.75	Max. traction Max. compression	: 434 kgf : 517 kgf	
Bearing type Sealing Lubrication interval Lubricant amount		<u>Drive end</u> : 6308 ZZ : Without Bearing Seal : -		Non drive end 6208 ZZ Without Bearing - -	-	

Mobil Polyrex EM

Notes

Lubricant type

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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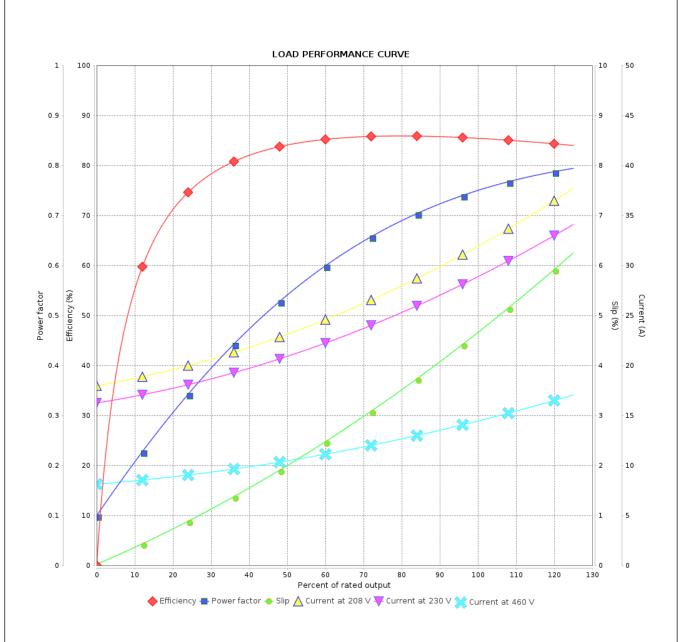


Customer :

Product line : Saw Arbor Motor Standard

Efficiency Three-Phase

Product code: 10023134



Performance	: 208-230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 32.5-29.4/14.7 A : 8.5 : 4.23 kgfm : 459 % : 450 % : 1715 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0168 kgm² : S1 : F : 1.15 : 80 K : N	
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