



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

### DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
Product line : Saw Arbor Motors : Single and Double Shaft End

Frame : 90L  
Output : 10 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1715 rpm  
Slip : 4.72 %  
Voltage : 208-230/460 V  
Rated current : 32.5-29.4/14.7 A  
Locked rotor current : 235/117 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.0  
No-load current : 16.3/8.13 A  
Full load torque : 30.2 lb.ft  
Locked rotor torque : 400 %  
Breakdown torque : 400 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.15  
Duty cycle : S6 50%  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP54  
Approximate weight : 178 lb  
Moment of inertia : 0.39890 sq.ft.lb  
Noise level : 51 dB(A)

	D.E.	N.D.E.
Bearings	6308 ZZ	6208 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.75	85.5
75%	0.67	85.5
50%	0.54	84.5

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #01018ES3ESA90LL

Performed by

Checked