



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 : 7.5 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1730 rpm  
Slip : 3.89 %  
Voltage : 208-230/460 V  
Rated current : 22.4-20.3/10.1 A  
Locked rotor current : 166/83.1 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.2  
No-load current : 10.0/5.02 A  
Full load torque : 22.5 lb.ft  
Locked rotor torque : 370 %  
Breakdown torque : 400 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 7 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 : 165 lb  
Moment of inertia : 0.33246 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%	0.80	85.3
75%	0.74	85.0
50%	0.60	83.5

Notes:  
Downloaded from <http://dealerselectric.com>  
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