



# 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 : 80L  
 Output : 7.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3490 rpm  
 Slip : 3.06 %  
 Voltage : 575 V  
 Rated current : 7.81 A  
 Locked rotor current : 71.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 9.2  
 No-load current : 3.52 A  
 Full load torque : 11.1 lb.ft  
 Locked rotor torque : 400 %  
 Breakdown torque : 460 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 5 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 : 120 lb  
 Moment of inertia : 0.14357 sq.ft.lb  
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6307 ZZ	6207 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	87.4
75%	0.75	87.0
50%	0.64	85.2

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