



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 449TS  
Output : 300 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3575 rpm  
Slip : 0.69 %  
Voltage : 460 V  
Rated current : 320 A  
Locked rotor current : 2690 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.4  
No-load current : 81.3 A  
Full load torque : 435 lb.ft  
Locked rotor torque : 280 %  
Breakdown torque : 340 %  
Design : A  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 15 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 3308 lb  
Moment of inertia : 58.080 sq.ft.lb  
Noise level : 84 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	3604 h	3604 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.90	95.8
75%	0.88	95.4
50%	0.82	94.5

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #30036XT3G449TS

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