



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame : L447/9TS  
Output : 400 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3575 rpm  
Slip : 0.69 %  
Voltage : 460 V  
Rated current : 432 A  
Locked rotor current : 2890 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
No-load current : 100 A  
Full load torque : 580 lb.ft  
Locked rotor torque : 220 %  
Breakdown torque : 250 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 25 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 3158 lb  
Moment of inertia : 91.862 sq.ft.lb  
Noise level : 88 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	4000 h	4000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.91	95.8
75%	0.90	95.8
50%	0.85	95.4

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #40036ET3G449TS-W22

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