



# Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

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

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

Frame : 447TS  
 Output : 250 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3570 rpm  
 Slip : 0.83 %  
 Voltage : 460 V  
 Rated current : 269 A  
 Locked rotor current : 2150 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.0  
 No-load current : 60.9 A  
 Full load torque : 363 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 18 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 2492 lb  
 Moment of inertia : 50.262 sq.ft.lb  
 Noise level : 87 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%	0.89	95.4
50%	0.83	95.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #25036XT3G447TS

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