



# 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 : 447T  
Output : 250 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1780 rpm  
Slip : 1.11 %  
Voltage : 460 V  
Rated current : 284 A  
Locked rotor current : 1990 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
No-load current : 104 A  
Full load torque : 728 lb.ft  
Locked rotor torque : 210 %  
Breakdown torque : 230 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 30 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 2646 lb  
Moment of inertia : 89.555 sq.ft.lb  
Noise level : 82 dB(A)

	D.E.	N.D.E.
Bearings	6319 C3	6316 C3
Regreasing interval	7038 h	8569 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.85	96.2
75%	0.81	96.2
50%	0.72	95.4

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #25018XT3G447T

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