



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

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

Frame : 213T  
Output : 7.5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3510 rpm  
Slip : 2.50 %  
Voltage : 575 V  
Rated current : 6.86 A  
Locked rotor current : 48.0 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
No-load current : 2.00 A  
Full load torque : 11.1 lb.ft  
Locked rotor torque : 220 %  
Breakdown torque : 300 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 23 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 190 lb  
Moment of inertia : 0.46962 sq.ft.lb  
Noise level : 72 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6308 2RS	6207 2RS	100%	0.90	89.5
Regreasing interval	---	---	75%	0.87	88.5
Grease amount	---	---	50%	0.81	85.5

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00736XT3H213T

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