



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

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

Frame : 182T  
Output : 1 HP  
Frequency : 60 Hz  
Poles : 8  
Full load speed : 875 rpm  
Slip : 2.78 %  
Voltage : 208-230/460 V  
Rated current : 5.09-4.60/2.30 A  
Locked rotor current : 27.6/13.8 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.0  
No-load current : 3.40/1.70 A  
Full load torque : 5.92 lb.ft  
Locked rotor torque : 300 %  
Breakdown torque : 350 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 22 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 112 lb  
Moment of inertia : 0.39914 sq.ft.lb  
Noise level : 50 dB(A)

	D.E.	N.D.E.
Bearings	6307 2RS	6206 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.52	78.5
75%	0.42	77.0
50%	0.32	74.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00109XT3E182T

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