



# 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 : 184T  
 Output : 5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3490 rpm  
 Slip : 3.06 %  
 Voltage : 208-230/460 V  
 Rated current : 13.5-12.2/6.10 A  
 Locked rotor current : 91.5/45.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
 No-load current : 4.40/2.20 A  
 Full load torque : 7.42 lb.ft  
 Locked rotor torque : 250 %  
 Breakdown torque : 380 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 26 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 106 lb  
 Moment of inertia : 0.18889 sq.ft.lb  
 Noise level : 69 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.86	88.5
75%	0.81	87.5
50%	0.70	85.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00536XT3E184T

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