



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
 Product line : Three Phase: W01 (Rolled Steel) - ODP - NEMA Premium Efficiency

Frame : 182/4T  
 Output : 5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3510 rpm  
 Slip : 2.50 %  
 Voltage : 208-230/460 V  
 Rated current : 13.5-12.2/6.10 A  
 Locked rotor current : 92.7/46.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.6  
 No-load current : 5.15/2.58 A  
 Full load torque : 7.38 lb.ft  
 Locked rotor torque : 190 %  
 Breakdown torque : 300 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 12 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 59 lb  
 Moment of inertia : 0.13858 sq.ft.lb  
 Noise level : 65 dB(A)

	D.E.	N.D.E.
Bearings	6206 ZZ	6205 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.88	86.5
75%	0.83	86.5
50%	0.73	85.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00536OT3E182T-S

Performed by

Checked