



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

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

Frame : 364/5T  
 Output : 30 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 885 rpm  
 Slip : 1.67 %  
 Voltage : 208-230/460 V  
 Rated current : 85.1-77.0/38.5 A  
 Locked rotor current : 439/219 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.7  
 No-load current : 33.0/16.5 A  
 Full load torque : 176 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 220 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 911 lb  
 Moment of inertia : 23.455 sq.ft.lb  
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	17353 h	17353 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.77	93.0
75%	0.73	93.0
50%	0.64	92.4

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #03009XT3E364T

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