



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

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

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

Frame : 364/5TS  
 Output : 75 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3560 rpm  
 Slip : 1.11 %  
 Voltage : 208-230/460 V  
 Rated current : 182-165/82.4 A  
 Locked rotor current : 1150/577 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
 No-load current : 44.0/22.0 A  
 Full load torque : 109 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 260 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 18 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 1025 lb  
 Moment of inertia : 9.9623 sq.ft.lb  
 Noise level : 85 dB(A)

|                     | D.E.    | N.D.E.  | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings            | 6314 C3 | 6314 C3 | 100% | 0.89         | 94.1           |
| Regreasing interval | 3604 h  | 3604 h  | 75%  | 0.87         | 94.1           |
| Grease amount       | 27 g    | 27 g    | 50%  | 0.81         | 93.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #07536XT3E365TS

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