



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

## DATA SHEET

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

Customer :  
 Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 364/5TS  
 Output : 60 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3550 rpm  
 Slip : 1.39 %  
 Voltage : 575 V  
 Rated current : 53.6 A  
 Locked rotor current : 343 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
 No-load current : 12.0 A  
 Full load torque : 87.6 lb.ft  
 Locked rotor torque : 190 %  
 Breakdown torque : 250 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 825 lb  
 Moment of inertia : 10.642 sq.ft.lb  
 Noise level : 79 dB(A)

|                     | D.E.    | N.D.E.  | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings            | 6314 C3 | 6314 C3 | 100% | 0.90         | 93.6           |
| Regreasing interval | 4000 h  | 4000 h  | 75%  | 0.88         | 93.0           |
| Grease amount       | 27 g    | 27 g    | 50%  | 0.81         | 91.7           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #06036ST3HIE364TS-W22

Performed by

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