



# Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

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

Customer :  
Product line : W22 High Efficiency

Frame : 447/9TS  
Output : 250 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3575 rpm  
Slip : 0.69 %  
Voltage : 460 V  
Rated current : 270 A  
Locked rotor current : 1760 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
No-load current : 60.0 A  
Full load torque : 362 lb.ft  
Locked rotor torque : 190 %  
Breakdown torque : 240 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 20 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 2388 lb  
Moment of inertia : 51.379 sq.ft.lb  
Noise level : 81 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6314 C3 | 6314 C3 |
| Regreasing interval | 4000 h  | 4000 h  |
| Grease amount       | 27 g    | 27 g    |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.90         | 95.4           |
| 75%  | 0.88         | 95.4           |
| 50%  | 0.85         | 94.5           |

### Notes:

Downloaded from <http://dealerselectric.com>  
Generated for Model #25036EP3G449TS-W22

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