



## Dealers Industrial Equipment

No.:

Date: 13-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 : 213/5T  
Output : 5 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1170 rpm  
Slip : 2.50 %  
Voltage : 575 V  
Rated current : 5.46 A  
Locked rotor current : 37.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.8  
No-load current : 2.76 A  
Full load torque : 22.1 lb.ft  
Locked rotor torque : 170 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 57 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 162 lb  
Moment of inertia : 1.4717 sq.ft.lb  
Noise level : 55 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6308 C3 | 6207 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount       | 11 g    | 7 g     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.76         | 89.5           |
| 75%  | 0.70         | 89.5           |
| 50%  | 0.58         | 88.5           |

#### Notes:

Downloaded from <http://dealerselectric.com>  
Generated for Model #00512ST3HIE215T-W22

Performed by

Checked