



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
Product line : W01 (Rolled Steel) General Purpose TEFC

Frame : 213/5T  
Output : 7.5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3530 rpm  
Slip : 1.94 %  
Voltage : 575 V  
Rated current : 6.94 A  
Locked rotor current : 52.7 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.6  
No-load current : 2.65 A  
Full load torque : 11.0 lb.ft  
Locked rotor torque : 260 %  
Breakdown torque : 300 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 15 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 133 lb  
Moment of inertia : 0.54959 sq.ft.lb  
Noise level : 70 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6208 ZZ | 6206 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.89         | 89.5           |
| 75%  | 0.85         | 88.5           |
| 50%  | 0.76         | 87.5           |

Notes:  
Downloaded from <http://dealerselectric.com>  
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