



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

Frame : 143/5T  
 Output : 1.5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1750 rpm  
 Slip : 2.78 %  
 Voltage : 575 V  
 Rated current : 1.62 A  
 Locked rotor current : 13.3 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.2  
 No-load current : 0.867 A  
 Full load torque : 4.44 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 21 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 38 lb  
 Moment of inertia : 0.11011 sq.ft.lb  
 Noise level : 52 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6205 ZZ | 6203 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.79         | 86.5           |
| 75%  | 0.72         | 86.5           |
| 50%  | 0.59         | 85.5           |

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