



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

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

Frame : 182/4T  
 Output : 7.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3500 rpm  
 Slip : 2.78 %  
 Voltage : 575 V  
 Rated current : 6.94 A  
 Locked rotor current : 51.3 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.4  
 No-load current : 2.57 A  
 Full load torque : 11.1 lb.ft  
 Locked rotor torque : 180 %  
 Breakdown torque : 290 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 10 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 70 lb  
 Moment of inertia : 0.18177 sq.ft.lb  
 Noise level : 65 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6206 ZZ | 6205 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.90         | 88.5           |
| 75%  | 0.85         | 88.5           |
| 50%  | 0.76         | 88.5           |

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