



## Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

### DATA SHEET

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

Customer :  
Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Frame : W182/4T  
Output : 3 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3495 rpm  
Slip : 2.92 %  
Voltage : 230/460 V  
Rated current : 7.34/3.67 A  
Locked rotor current : 65.3/32.7 A  
Locked rotor current (I<sub>L</sub>/I<sub>N</sub>) : 8.9  
No-load current : 2.40/1.20 A  
Full load torque : 4.45 lb.ft  
Locked rotor torque : 280 %  
Breakdown torque : 330 %  
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 : 57 lb  
Moment of inertia : 0.15970 sq.ft.lb  
Noise level : ---

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.88         | 85.5           |
| 75%  | 0.85         | 85.5           |
| 50%  | 0.77         | 84.5           |

#### Notes:

Downloaded from <http://dealerselectric.com>  
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