



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : W22 Super Premium

Frame : L182T  
Output : 3 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1765 rpm  
Slip : 1.94 %  
Voltage : 208-230/460 V  
Rated current : 7.50/3.75 A  
Locked rotor current : 62.3/31.1 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.3  
No-load current : 3.80/1.90 A  
Full load torque : 8.81 lb.ft  
Locked rotor torque : 230 %  
Breakdown torque : 320 %  
Design : A  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 36 s (hot)  
Service factor : 1.25 (1.00 at 208V)  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 93 lb  
Moment of inertia : 0.39605 sq.ft.lb  
Noise level : 56 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6207 ZZ | 6206 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.81         | 91.0           |
| 75%  | 0.75         | 88.5           |
| 50%  | 0.63         | 87.5           |

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00318EG3EL182T-W22

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