



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## DATA SHEET

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

Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 254T  
 Output : 15 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1775 rpm  
 Slip : 1.39 %  
 Voltage : 575 V  
 Rated current : 14.9 A  
 Locked rotor current : 100 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 7.20 A  
 Full load torque : 43.8 lb.ft  
 Locked rotor torque : 290 %  
 Breakdown torque : 300 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 242 lb  
 Moment of inertia : 2.0840 sq.ft.lb  
 Noise level : 59 dB(A)

|                     | D.E.      | N.D.E.    |
|---------------------|-----------|-----------|
| Bearings            | 6309 Z-C3 | 6209 Z-C3 |
| Regreasing interval | 20000 h   | 20000 h   |
| Grease amount       | 13 g      | 9 g       |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.80         | 93.0           |
| 75%  | 0.72         | 92.4           |
| 50%  | 0.60         | 91.7           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #01518OT3H254T

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