



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
Product line : ODP General Purpose

Frame : 284T  
 Output : 25 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1770 rpm  
 Slip : 1.67 %  
 Voltage : 208-230/460 V  
 Rated current : 66.1-59.8/29.9 A  
 Locked rotor current : 401/200 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 24.0/12.0 A  
 Full load torque : 73.2 lb.ft  
 Locked rotor torque : 250 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 15 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 362 lb  
 Moment of inertia : 3.4055 sq.ft.lb  
 Noise level : 62 dB(A)

|                     | D.E.      | N.D.E.    |
|---------------------|-----------|-----------|
| Bearings            | 6311 Z-C3 | 6211 Z-C3 |
| Regreasing interval | 20000 h   | 20000 h   |
| Grease amount       | 18 g      | 11 g      |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.83         | 93.6           |
| 75%  | 0.78         | 93.0           |
| 50%  | 0.67         | 92.4           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02518OT3E284T-G

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