



## Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

### DATA SHEET

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

Customer :  
Product line : W22 Cooling Tower Motors: NEMA Premium - TEAO

Frame : 324T  
Output : 25 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1180 rpm  
Slip : 1.67 %  
Voltage : 575 V  
Rated current : 24.3 A  
Locked rotor current : 151 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
No-load current : 11.2 A  
Full load torque : 110 lb.ft  
Locked rotor torque : 210 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 26 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 560 lb  
Moment of inertia : 11.493 sq.ft.lb  
Noise level : 62 dB(A)

|                     | D.E.        | N.D.E.      |
|---------------------|-------------|-------------|
| Bearings            | 6312 2RS-C3 | 6212 2RS-C3 |
| Regreasing interval | ---         | ---         |
| Grease amount       | ---         | ---         |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.82         | 93.0           |
| 75%  | 0.77         | 93.0           |
| 50%  | 0.65         | 91.7           |

#### Notes:

Downloaded from <http://dealerselectric.com>  
Generated for Model #02512AT3HCT324TF1-W2

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