



## Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

### DATA SHEET

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

Customer :  
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 364/5T  
Output : 75 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1775 rpm  
Slip : 1.39 %  
Voltage : 575 V  
Rated current : 67.3 A  
Locked rotor current : 431 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
No-load current : 24.0 A  
Full load torque : 219 lb.ft  
Locked rotor torque : 240 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 14 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 919 lb  
Moment of inertia : 23.251 sq.ft.lb  
Noise level : 67 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6314 C3 | 6314 C3 |
| Regreasing interval | 12000 h | 12000 h |
| Grease amount       | 27 g    | 27 g    |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.86         | 95.4           |
| 75%  | 0.82         | 95.0           |
| 50%  | 0.73         | 94.5           |

#### Notes:

Downloaded from <http://dealerselectric.com>  
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