



## Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

### DATA SHEET

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

Customer :  
Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 213T  
Output : 7.5 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1755 rpm  
Slip : 2.50 %  
Voltage : 208-230/460 V  
Rated current : 21.1-19.0/9.52 A  
Locked rotor current : 122/60.9 A  
Locked rotor current (I<sub>L</sub>/I<sub>N</sub>) : 6.4  
No-load current : 7.00/3.50 A  
Full load torque : 22.1 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 21 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP54  
Approximate weight : 186 lb  
Moment of inertia : 0.98005 sq.ft.lb  
Noise level : 58 dB(A)

|                     | D.E.     | N.D.E.   |
|---------------------|----------|----------|
| Bearings            | 6308 2RS | 6207 2RS |
| Regreasing interval | ---      | ---      |
| Grease amount       | ---      | ---      |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.81         | 89.5           |
| 75%  | 0.75         | 89.5           |
| 50%  | 0.64         | 87.5           |

#### Notes:

Downloaded from <http://dealerselectric.com>  
Generated for Model #00718XP3E213TC

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