



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 145T  
Output : 1.5 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1760 rpm  
Slip : 2.22 %  
Voltage : 208-230/460 V  
Rated current : 4.53-4.10/2.05 A  
Locked rotor current : 36.5/18.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.9  
No-load current : 2.64/1.32 A  
Full load torque : 4.42 lb.ft  
Locked rotor torque : 270 %  
Breakdown torque : 350 %  
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 : IP55  
Approximate weight : 71 lb  
Moment of inertia : 0.13028 sq.ft.lb  
Noise level : 51 dB(A)

|                     | D.E.     | N.D.E.   |
|---------------------|----------|----------|
| Bearings            | 6205 2RS | 6204 2RS |
| Regreasing interval | ---      | ---      |
| Grease amount       | ---      | ---      |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.78         | 86.5           |
| 75%  | 0.70         | 85.5           |
| 50%  | 0.58         | 81.5           |

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00158XT3E145T

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