



## Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

### DATA SHEET

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

Customer :  
Product line : Farm Duty Motors : TEFC (IP55) - Single-Phase

Frame : 215TZ  
Output : 7.5 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1730 rpm  
Slip : 3.89 %  
Voltage : 230 V  
Rated current : 33.0 A  
Locked rotor current : 248 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
No-load current : 18.0 A  
Full load torque : 22.5 lb.ft  
Locked rotor torque : 400 %  
Breakdown torque : 260 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 157 lb  
Moment of inertia : 0.88276 sq.ft.lb  
Noise level : ---

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6308 ZZ | 6206 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.90         | 83.0           |
| 75%  | 0.81         | 81.0           |
| 50%  | 0.71         | 77.0           |

#### Notes:

Downloaded from <http://dealerselectric.com>  
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