



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Single-Phase : NEMA 56 TEFC

Frame : B56  
Output : 0.33 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1750 rpm  
Slip : 2.78 %  
Voltage : 115/208-230 V  
Rated current : 5.60/2.70-2.80 A  
Locked rotor current : 32.5/16.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.8  
No-load current : 4.60/2.30 A  
Full load torque : 0.977 lb.ft  
Locked rotor torque : 340 %  
Breakdown torque : 280 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.15 (1.00 at 208V)  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 22 lb  
Moment of inertia : 0.06241 sq.ft.lb  
Noise level : ---

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6203 ZZ | 6202 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.62         | 61.0           |
| 75%  | 0.53         | 58.0           |
| 50%  | 0.44         | 49.0           |

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #.3318ES1BB56C

Performed by

Checked