



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame : 56  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3495 rpm  
 Slip : 2.92 %  
 Voltage : 115/208-230 V  
 Rated current : 17.4/9.62-8.70 A  
 Locked rotor current : 136/67.9 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.8  
 No-load current : 4.20/2.10 A  
 Full load torque : 2.96 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 250 %  
 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 : 35 lb  
 Moment of inertia : 0.07072 sq.ft.lb  
 Noise level : 68 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6204 ZZ | 6202 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.97         | 77.0           |
| 75%  | 0.97         | 75.0           |
| 50%  | 0.94         | 70.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00236ES1B56-S

Performed by

Checked