



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Frame : D56  
 Output : 1 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3520 rpm  
 Slip : 2.22 %  
 Voltage : 115/208-230 V  
 Rated current : 13.6/6.80-6.80 A  
 Locked rotor current : 95.2/47.6 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
 No-load current : 9.80/4.90 A  
 Full load torque : 1.47 lb.ft  
 Locked rotor torque : 280 %  
 Breakdown torque : 290 %  
 Design : ---  
 Insulation class : B  
 Temperature rise : 80 K  
 Locked rotor time : 6 s (hot)  
 Service factor : 1.25 (1.00 at 208V)  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP21  
 Approximate weight : 25 lb  
 Moment of inertia : 0.04153 sq.ft.lb  
 Noise level : ---

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6204 ZZ | 6203 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.71         | 66.3           |
| 75%  | 0.63         | 62.1           |
| 50%  | 0.53         | 54.5           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00136OS1BD56CFL

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