



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame : 56  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1765 rpm  
 Slip : 1.94 %  
 Voltage : 208-230/460 V  
 Rated current : 1.90-1.72/0.861 A  
 Locked rotor current : 12.4/6.20 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.2  
 No-load current : 1.30/0.650 A  
 Full load torque : 1.47 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 330 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 27 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 20 lb  
 Moment of inertia : 0.05838 sq.ft.lb  
 Noise level : 52 dB(A)

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.69         | 78.2           |
| 75%  | 0.60         | 75.5           |
| 50%  | 0.47         | 70.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.5018OT3E56CFL-S

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