



# 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 : 0.25 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1160 rpm  
 Slip : 3.33 %  
 Voltage : 208-230/460 V  
 Rated current : 1.21-1.10/0.549 A  
 Locked rotor current : 5.27/2.64 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 4.8  
 No-load current : 1.00/0.500 A  
 Full load torque : 1.12 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 280 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 40 s (hot)  
 Service factor : 1.35  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 17 lb  
 Moment of inertia : 0.06217 sq.ft.lb  
 Noise level : 50 dB(A)

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.61         | 67.5           |
| 75%  | 0.52         | 64.0           |
| 50%  | 0.41         | 55.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.2512OT3E56-S

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