



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - TEFC - Standard Efficiency

Frame : 56J  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3500 rpm  
 Slip : 2.78 %  
 Voltage : 208-230/460 V  
 Rated current : 1.86-1.69/0.843 A  
 Locked rotor current : 11.8/5.90 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
 No-load current : 0.900/0.450 A  
 Full load torque : 0.740 lb.ft  
 Locked rotor torque : 260 %  
 Breakdown torque : 300 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 35 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 19 lb  
 Moment of inertia : 0.04532 sq.ft.lb  
 Noise level : 68 dB(A)

|                     | D.E.    | N.D.E.  | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings            | 6203 ZZ | 6202 ZZ | 100% | 0.81         | 68.0           |
| Regreasing interval | ---     | ---     | 75%  | 0.75         | 62.0           |
| Grease amount       | ---     | ---     | 50%  | 0.67         | 55.0           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.5036ES3EJPR56J-S

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