



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_L/I_n) : 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 #.5036ES3EJP56J-S

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