



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) - TEFC - Standard Efficiency

Frame : 56
 Output : 0.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 1.91-1.72/0.862 A
 Locked rotor current : 12.1/6.03 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 1.20/0.600 A
 Full load torque : 1.47 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 20 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 21 lb
 Moment of inertia : 0.05838 sq.ft.lb
 Noise level : 52 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6203 ZZ | 6202 ZZ | 100% | 0.70 | 77.0 |
| Regreasing interval | --- | --- | 75% | 0.61 | 74.0 |
| Grease amount | --- | --- | 50% | 0.48 | 68.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #.5018ES3E56-S

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