



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W01 (Rolled Steel) General Purpose TEFC

Frame : 182/4T
Output : 5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3500 rpm
Slip : 2.78 %
Voltage : 208-230/460 V
Rated current : 13.1-11.8/5.90 A
Locked rotor current : 92.0/46.0 A
Locked rotor current (I_L/I_n) : 7.8
No-load current : 4.40/2.20 A
Full load torque : 7.40 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 78 lb
Moment of inertia : 0.20787 sq.ft.lb
Noise level : 68 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6206 ZZ | 6205 ZZ |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.89 | 88.5 |
| 75% | 0.85 | 88.5 |
| 50% | 0.76 | 87.5 |

Notes:
Downloaded from <http://dealerselectric.com>
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