



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three Phase: W01 (Rolled Steel) - ODP - NEMA Premium Efficiency

Frame : 182/4T
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 14.0-12.7/6.33 A
 Locked rotor current : 91.2/45.6 A
 Locked rotor current (I_L/I_n) : 7.2
 No-load current : 6.29/3.15 A
 Full load torque : 14.7 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 310 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 12 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 80 lb
 Moment of inertia : 0.40033 sq.ft.lb
 Noise level : 55 dB(A)

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.82 | 89.5 |
| 75% | 0.76 | 88.5 |
| 50% | 0.63 | 88.5 |

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