



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame : 182/4JM
Output : 3 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 8.43-7.62/3.81 A
Locked rotor current : 67.1/33.5 A
Locked rotor current (I_L/I_n) : 8.8
No-load current : 4.00/2.00 A
Full load torque : 8.81 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 80 lb
Moment of inertia : 0.40175 sq.ft.lb
Noise level : 56 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6207 ZZ | 6205 ZZ |
| Regreasing interval | --- | --- |
| Grease amount | --- | --- |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.81 | 89.5 |
| 75% | 0.74 | 88.5 |
| 50% | 0.61 | 87.5 |

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