



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump: Three-Phase - W22 "JM" Type - TEFC - NEMA Premium

Frame : 182/4JM
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 8.65-7.82/3.91 A
 Locked rotor current : 63.3/31.7 A
 Locked rotor current (I_L/I_n) : 8.1
 No-load current : 4.00/2.00 A
 Full load torque : 8.83 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 340 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 23 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 90 lb
 Moment of inertia : 0.34005 sq.ft.lb
 Noise level : 56 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6307 ZZ | 6206 ZZ | 100% | 0.79 | 89.5 |
| Regreasing interval | --- | --- | 75% | 0.73 | 88.5 |
| Grease amount | --- | --- | 50% | 0.61 | 87.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00318ET3E182JM-W22

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