



Dealers Industrial Equipment

No.:

Date: 27-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 : 364/5JM
 Output : 60 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3560 rpm
 Slip : 1.11 %
 Voltage : 208-230/460 V
 Rated current : 148-134/67.0 A
 Locked rotor current : 884/442 A
 Locked rotor current (I_L/I_n) : 6.6
 No-load current : 30.0/15.0 A
 Full load torque : 87.3 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 825 lb
 Moment of inertia : 10.642 sq.ft.lb
 Noise level : 79 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6314 C3 | 6314 C3 | 100% | 0.90 | 93.6 |
| Regreasing interval | 4000 h | 4000 h | 75% | 0.88 | 93.0 |
| Grease amount | 27 g | 27 g | 50% | 0.81 | 91.7 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #06036ET3E364JM-W22

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