



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - High Efficiency

Frame : 254/6JM
 Output : 15 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 575 V
 Rated current : 15.0 A
 Locked rotor current : 95.7 A
 Locked rotor current (I_L/I_n) : 6.4
 No-load current : 7.32 A
 Full load torque : 44.2 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 11 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 169 lb
 Moment of inertia : 1.6542 sq.ft.lb
 Noise level : 68 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|-----------|-----------|------|--------------|----------------|
| Bearings | 6309 Z-C3 | 6208 Z-C3 | 100% | 0.81 | 91.0 |
| Regreasing interval | 20000 h | 20000 h | 75% | 0.75 | 90.2 |
| Grease amount | 13 g | 8 g | 50% | 0.63 | 89.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #01518EP3H254JM-S

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