



Dealers Industrial Equipment

No.:

Date: 13-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 : 182/4JM
 Output : 7.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3480 rpm
 Slip : 3.33 %
 Voltage : 208-230/460 V
 Rated current : 19.2-17.3/8.67 A
 Locked rotor current : 139/69.4 A
 Locked rotor current (I/In) : 8.0
 No-load current : 6.07/3.04 A
 Full load torque : 11.2 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 360 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 19 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 79 lb
 Moment of inertia : 0.19126 sq.ft.lb
 Noise level : 68 dB(A)

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.90 | 88.5 |
| 75% | 0.86 | 89.5 |
| 50% | 0.77 | 88.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00736EP3E184JM-S

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