



# 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 - "JM" Type - ODP - NEMA Premium

Frame : 184JM  
 Output : 5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1755 rpm  
 Slip : 2.50 %  
 Voltage : 208-230/460 V  
 Rated current : 14.2-12.8/6.41 A  
 Locked rotor current : 93.6/46.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.3  
 No-load current : 6.00/3.00 A  
 Full load torque : 14.8 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 290 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 12 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP21  
 Approximate weight : 62 lb  
 Moment of inertia : 0.34954 sq.ft.lb  
 Noise level : ---

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.81         | 89.5           |
| 75%  | 0.75         | 89.5           |
| 50%  | 0.63         | 88.5           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00518OT3E184JM

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