



# Dealers Industrial Equipment

No.:

Date: 28-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 : 364/5JM  
 Output : 100 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3560 rpm  
 Slip : 1.11 %  
 Voltage : 208-230/460 V  
 Rated current : 248-224/112 A  
 Locked rotor current : 1500/750 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 60.0/30.0 A  
 Full load torque : 146 lb.ft  
 Locked rotor torque : 190 %  
 Breakdown torque : 250 %  
 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 : IP23  
 Approximate weight : 825 lb  
 Moment of inertia : 8.3008 sq.ft.lb  
 Noise level : 83 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6314 C3 | 6314 C3 |
| Regreasing interval | 14418 h | 14418 h |
| Grease amount       | 27 g    | 27 g    |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.89         | 94.5           |
| 75%  | 0.89         | 94.5           |
| 50%  | 0.84         | 94.1           |

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #10036OT3E365JM

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