



# 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 - "JM" Type - ODP - NEMA Premium

Frame : 364/5JM  
 Output : 75 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3560 rpm  
 Slip : 1.11 %  
 Voltage : 460 V  
 Rated current : 83.4 A  
 Locked rotor current : 534 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
 No-load current : 23.5 A  
 Full load torque : 109 lb.ft  
 Locked rotor torque : 180 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 695 lb  
 Moment of inertia : 6.8107 sq.ft.lb  
 Noise level : 80 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%	0.88	94.1
75%	0.85	94.1
50%	0.78	93.6

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #07536OT3G364JM

Performed by

Checked