



# 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 - "JM" Type - ODP - High Efficiency - Vertical Motors

Frame : 324JM  
 Output : 50 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3560 rpm  
 Slip : 1.11 %  
 Voltage : 230/460 V  
 Rated current : 117/58.4 A  
 Locked rotor current : 724/362 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 39.0/19.5 A  
 Full load torque : 72.8 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 28 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 478 lb  
 Moment of inertia : 3.2985 sq.ft.lb  
 Noise level : 74 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 Z-C3	6212 Z-C3	100%	0.86	92.4
Regreasing interval	9829 h	10000 h	75%	0.83	92.4
Grease amount	21 g	13 g	50%	0.75	91.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #05036OP3E324JMV

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