



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

## DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame : 145JM  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3520 rpm  
 Slip : 2.22 %  
 Voltage : 208-230/460 V  
 Rated current : 10.2-9.80/4.90 A  
 Locked rotor current : 78.4/39.2 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.0  
 No-load current : 4.90/2.45 A  
 Full load torque : 2.94 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 230 %  
 Design : ---  
 Insulation class : B  
 Temperature rise : 80 K  
 Locked rotor time : 6 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 55 lb  
 Moment of inertia : 0.05529 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6206 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.86	79.0
75%	0.81	76.0
50%	0.71	71.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00236ES1E145JM

Performed by

Checked