



# Dealers Industrial Equipment

No.:

Date: 12-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 : E143/5JM  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3430 rpm  
 Slip : 4.72 %  
 Voltage : 208-230/460 V  
 Rated current : 5.50-5.00/2.50 A  
 Locked rotor current : 47.5/23.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 9.5  
 No-load current : 1.96/0.980 A  
 Full load torque : 3.02 lb.ft  
 Locked rotor torque : 450 %  
 Breakdown torque : 350 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 15 s (hot)  
 Service factor : 1.15 (1.00 at 208V)  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP21  
 Approximate weight : 42 lb  
 Moment of inertia : 0.05933 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6206 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.87	86.5
75%	0.81	85.5
50%	0.70	84.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00236OT3E145JM

Performed by

Checked