



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

### DATA SHEET

### Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JM Type

Frame : 143/5JM  
 Output : 1.5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1750 rpm  
 Slip : 2.78 %  
 Voltage : 208-230/460 V  
 Rated current : 4.47-4.04/2.02 A  
 Locked rotor current : 33.1/16.6 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.2  
 No-load current : 2.17/1.08 A  
 Full load torque : 4.44 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 21 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 38 lb  
 Moment of inertia : 0.11011 sq.ft.lb  
 Noise level : 52 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.79	86.5
75%	0.72	86.5
50%	0.59	85.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00158ET3E145JM-SG

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