



# 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 - W22 "JM" Type - TEFC - NEMA Premium

Frame : 143/5JM  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1750 rpm  
 Slip : 2.78 %  
 Voltage : 575 V  
 Rated current : 2.21 A  
 Locked rotor current : 17.7 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.0  
 No-load current : 1.20 A  
 Full load torque : 5.92 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 320 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 11 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 51 lb  
 Moment of inertia : 0.15614 sq.ft.lb  
 Noise level : 51 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6204 ZZ	100%	0.79	86.5
Regreasing interval	---	---	75%	0.70	86.5
Grease amount	---	---	50%	0.57	85.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00218ET3H145JM-W22

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