



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 : 2  
Full load speed : 3520 rpm  
Slip : 2.22 %  
Voltage : 208-230/460 V  
Rated current : 4.14-3.74/1.87 A  
Locked rotor current : 34.0/17.0 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 9.1  
No-load current : 1.72/0.859 A  
Full load torque : 2.21 lb.ft  
Locked rotor torque : 230 %  
Breakdown torque : 300 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 17 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 34 lb  
Moment of inertia : 0.10228 sq.ft.lb  
Noise level : 68 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6203 ZZ	100%	0.88	84.0
Regreasing interval	---	---	75%	0.82	82.5
Grease amount	---	---	50%	0.71	80.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00156ET3E143JM-SG

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