



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

Frame : 143/5T  
 Output : 1.5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1750 rpm  
 Slip : 2.78 %  
 Voltage : 575 V  
 Rated current : 1.80 A  
 Locked rotor current : 15.5 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.6  
 No-load current : 1.16 A  
 Full load torque : 4.44 lb.ft  
 Locked rotor torque : 420 %  
 Breakdown torque : 440 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 15 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 35 lb  
 Moment of inertia : 0.13313 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6205 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.73	86.5
75%	0.64	84.0
50%	0.51	80.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00158ET3HRS145T

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