



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

## DATA SHEET

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

Customer :  
 Product line : Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

Frame : 143/5T  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1745 rpm  
 Slip : 3.06 %  
 Voltage : 575 V  
 Rated current : 2.18 A  
 Locked rotor current : 17.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.2  
 No-load current : 1.12 A  
 Full load torque : 5.94 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 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 : 42 lb  
 Moment of inertia : 0.12957 sq.ft.lb  
 Noise level : 52 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.80	86.5
75%	0.73	87.5
50%	0.60	85.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00218ET3H145T-S

Performed by

Checked