



# 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 : 1 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1145 rpm  
 Slip : 4.58 %  
 Voltage : 208-230/460 V  
 Rated current : 3.49-3.16/1.58 A  
 Locked rotor current : 18.3/9.16 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.8  
 No-load current : 2.03/1.01 A  
 Full load torque : 4.52 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 31 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 39 lb  
 Moment of inertia : 0.15970 sq.ft.lb  
 Noise level : 49 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.72	82.5
75%	0.63	82.5
50%	0.50	80.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00112ET3E145TC-S

Performed by

Checked