



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Single-Phase : W21 TEFC (IP55)

Frame : G145T  
Output : 3 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3500 rpm  
Slip : 2.78 %  
Voltage : 208-230/460 V  
Rated current : 13.4/6.70 A  
Locked rotor current : 93.8/46.9 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
No-load current : 4.80/2.40 A  
Full load torque : 4.44 lb.ft  
Locked rotor torque : 230 %  
Breakdown torque : 250 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 60 lb  
Moment of inertia : 0.08068 sq.ft.lb  
Noise level : 60 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.90	79.5
75%	0.86	79.0
50%	0.81	75.0

Notes:  
Downloaded from <http://dealerselectric.com>  
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