



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Farm Duty Motors : TEFC (IP55) - Single-Phase

Frame : G145T  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1750 rpm  
 Slip : 2.78 %  
 Voltage : 115/230 V  
 Rated current : 21.0/10.5 A  
 Locked rotor current : 145/72.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.9  
 No-load current : 12.4/6.20 A  
 Full load torque : 5.92 lb.ft  
 Locked rotor torque : 280 %  
 Breakdown torque : 250 %  
 Design : ---  
 Insulation class : B  
 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 : 53 lb  
 Moment of inertia : 0.21333 sq.ft.lb  
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.78	78.1
75%	0.71	78.0
50%	0.60	74.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00218ES1RFD145T

Performed by

Checked