



# 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 : 184T  
Output : 3 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1750 rpm  
Slip : 2.78 %  
Voltage : 208-230/460 V  
Rated current : 14.7-13.6/6.80 A  
Locked rotor current : 102/51.0 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
No-load current : 6.00/3.00 A  
Full load torque : 8.88 lb.ft  
Locked rotor torque : 280 %  
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 : 97 lb  
Moment of inertia : 0.31086 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6307 ZZ	6206 ZZ	100%	0.93	77.0
Regreasing interval	---	---	75%	0.90	74.0
Grease amount	---	---	50%	0.84	67.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00318ES1E184T

Performed by

Checked