



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
Product line : W22 Cooling Tower Motors: NEMA Premium - TEFC

Frame : 364/5T  
Output : 50 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1180 rpm  
Slip : 1.67 %  
Voltage : 208-230/460 V  
Rated current : 127-115/57.4 A  
Locked rotor current : 735/367 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
No-load current : 40.0/20.0 A  
Full load torque : 220 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 240 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 18 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 869 lb  
Moment of inertia : 32.391 sq.ft.lb  
Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6314 2RS-C3	6314 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.86	94.1
75%	0.83	94.1
50%	0.74	93.6

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