



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

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

Frame : 182T  
Output : 1.5 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1170 rpm  
Slip : 2.50 %  
Voltage : 208-230/460 V  
Rated current : 5.62-5.08/2.54 A  
Locked rotor current : 39.6/19.8 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.8  
No-load current : 3.25/1.63 A  
Full load torque : 6.64 lb.ft  
Locked rotor torque : 320 %  
Breakdown torque : 400 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 16 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 70 lb  
Moment of inertia : 0.48789 sq.ft.lb  
Noise level : 52 dB(A)

	D.E.	N.D.E.
Bearings	6207 2RS	6206 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.62	87.5
75%	0.54	86.5
50%	0.45	84.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00152ET3ECT182T-W22

Performed by

Checked