



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 : 3 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1760 rpm
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 8.65-7.82/3.91 A
Locked rotor current : 63.3/31.7 A
Locked rotor current (I_L/I_n) : 8.1
No-load current : 4.00/2.00 A
Full load torque : 8.83 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 340 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 23 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 90 lb
Moment of inertia : 0.34005 sq.ft.lb
Noise level : 56 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.79	89.5
75%	0.73	88.5
50%	0.61	87.5

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #00318ET3ECT182TF1-W2

Performed by

Checked