



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 : 145T
Output : 1 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1760 rpm
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 3.07-2.82/1.41 A
Locked rotor current : 23.7/11.8 A
Locked rotor current (I_L/I_N) : 8.4
No-load current : 1.54/0.770 A
Full load torque : 2.94 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 350 %
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 : 41 lb
Moment of inertia : 0.11723 sq.ft.lb
Noise level : 51 dB(A)

	D.E.	N.D.E.
Bearings	6205 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.78	85.5
75%	0.70	84.0
50%	0.60	80.0

Notes:

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