



Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 404/5T
Output : 75 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1180 rpm
Slip : 1.67 %
Voltage : 208-230/460 V
Rated current : 188-170/84.9 A
Locked rotor current : 1090/543 A
Locked rotor current (I_L/I_n) : 6.4
No-load current : 60.0/30.0 A
Full load torque : 329 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 230 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1089 lb
Moment of inertia : 40.209 sq.ft.lb
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6316 2RS-C3	6314 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.86	94.5
75%	0.83	94.5
50%	0.74	94.1

Notes:
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