



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 324T
 Output : 20 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 880 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 60.8-55.0/27.5 A
 Locked rotor current : 292/146 A
 Locked rotor current (I_L/I_n) : 5.3
 No-load current : 28.8/14.4 A
 Full load torque : 118 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 230 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 25 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 606 lb
 Moment of inertia : 9.3650 sq.ft.lb
 Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6312 2RS-C3	6212 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.74	92.4
75%	0.67	92.4
50%	0.56	91.7

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #02009XT3E324T

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