



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 : 324TS
Output : 40 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3555 rpm
Slip : 1.25 %
Voltage : 208-230/460 V
Rated current : 101-91.5/45.8 A
Locked rotor current : 604/302 A
Locked rotor current (I_L/I_n) : 6.6
No-load current : 26.0/13.0 A
Full load torque : 58.3 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 43 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 516 lb
Moment of inertia : 4.8955 sq.ft.lb
Noise level : 81 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.88	93.6
75%	0.86	93.6
50%	0.80	92.4

Notes:
Downloaded from <http://dealerselectric.com>
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