



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 254T
Output : 5 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 875 rpm
Slip : 2.78 %
Voltage : 208-230/460 V
Rated current : 17.7-16.0/7.99 A
Locked rotor current : 84.7/42.3 A
Locked rotor current (I_L/I_n) : 5.3
No-load current : 10.5/5.25 A
Full load torque : 29.6 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 280 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 37 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP54
Approximate weight : 304 lb
Moment of inertia : 2.8972 sq.ft.lb
Noise level : 54 dB(A)

	D.E.	N.D.E.
Bearings	6309 2RS-C3	6209 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.68	85.5
75%	0.60	85.0
50%	0.47	82.1

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