



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 254T
Output : 7.5 HP
Frequency : 60 Hz
Poles : 6
Full load speed : 1175 rpm
Slip : 2.08 %
Voltage : 575 V
Rated current : 7.78 A
Locked rotor current : 54.5 A
Locked rotor current (I_L/I_n) : 7.0
No-load current : 4.16 A
Full load torque : 33.1 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 320 %
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 : 309 lb
Moment of inertia : 3.3236 sq.ft.lb
Noise level : 59 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.78	91.0
75%	0.71	90.2
50%	0.58	88.5

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