



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 : 208-230/460 V
 Rated current : 21.5-19.5/9.73 A
 Locked rotor current : 136/68.1 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 10.4/5.20 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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