



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 : 256T
 Output : 7.5 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 880 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 25.7-23.2/11.6 A
 Locked rotor current : 123/61.5 A
 Locked rotor current (I_L/I_n) : 5.3
 No-load current : 14.4/7.20 A
 Full load torque : 44.2 lb.ft
 Locked rotor torque : 210 %
 Breakdown torque : 280 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 23 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 353 lb
 Moment of inertia : 4.1546 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	87.5
75%	0.60	87.5
50%	0.48	86.5

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