



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Saw Arbor Motors : Single and Double Shaft End

Frame : 80M
 Output : 5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3470 rpm
 Slip : 3.61 %
 Voltage : 208-230/460 V
 Rated current : 14.7-13.3/6.65 A
 Locked rotor current : 106/53.2 A
 Locked rotor current (I_L/I_n) : 8.0
 No-load current : 5.74/2.87 A
 Full load torque : 7.47 lb.ft
 Locked rotor torque : 340 %
 Breakdown torque : 410 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 7 s (hot)
 Service factor : 1.15
 Duty cycle : S6 50%
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP54
 Approximate weight : 99 lb
 Moment of inertia : 0.09777 sq.ft.lb
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6307 ZZ	6207 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.82	85.0
75%	0.77	84.5
50%	0.66	82.0

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