



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 80S
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3500 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 9.49-8.58/4.29 A
 Locked rotor current : 62.6/31.3 A
 Locked rotor current (I_L/I_n) : 7.3
 No-load current : 4.11/2.06 A
 Full load torque : 4.44 lb.ft
 Locked rotor torque : 330 %
 Breakdown torque : 370 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 9 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 : 85 lb
 Moment of inertia : 0.07475 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%	0.80	80.5
75%	0.75	79.5
50%	0.65	76.0

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