



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 : 182T
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3510 rpm
 Slip : 2.50 %
 Voltage : 208-230/460 V
 Rated current : 8.32-7.52/3.76 A
 Locked rotor current : 63.2/31.6 A
 Locked rotor current (I_L/I_n) : 8.4
 No-load current : 2.80/1.40 A
 Full load torque : 4.43 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 400 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 30 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 90 lb
 Moment of inertia : 0.14713 sq.ft.lb
 Noise level : 69 dB(A)

	D.E.	N.D.E.
Bearings	6307 2RS	6206 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.85	86.5
75%	0.81	85.5
50%	0.73	82.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00336XT3E182TC

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