



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 182T
 Output : 1.5 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1165 rpm
 Slip : 2.92 %
 Voltage : 208-230/460 V
 Rated current : 5.13-4.64/2.32 A
 Locked rotor current : 33.4/16.7 A
 Locked rotor current (I_L/I_n) : 7.2
 No-load current : 2.80/1.40 A
 Full load torque : 6.67 lb.ft
 Locked rotor torque : 260 %
 Breakdown torque : 330 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 35 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 118 lb
 Moment of inertia : 0.42121 sq.ft.lb
 Noise level : 52 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.68	87.5
75%	0.59	86.5
50%	0.47	84.5

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