



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 : 3 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 575 V
 Rated current : 3.13 A
 Locked rotor current : 25.0 A
 Locked rotor current (I_L/I_n) : 8.0
 No-load current : 1.68 A
 Full load torque : 8.83 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 320 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 28 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 115 lb
 Moment of inertia : 0.27812 sq.ft.lb
 Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6307 2RS	6206 2RS	100%	0.79	89.5
Regreasing interval	---	---	75%	0.71	88.5
Grease amount	---	---	50%	0.59	87.5

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #00318XT3H182T

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