



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 : 208-230/460 V
Rated current : 8.65-7.82/3.91 A
Locked rotor current : 62.6/31.3 A
Locked rotor current (I_L/I_n) : 8.0
No-load current : 4.20/2.10 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 #00318XT3E182TC

Performed by

Checked