



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 182T
Output : 1 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 875 rpm
Slip : 2.78 %
Voltage : 208-230/460 V
Rated current : 5.12-4.63/2.31 A
Locked rotor current : 27.8/13.9 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 4.13/2.06 A
Full load torque : 5.92 lb.ft
Locked rotor torque : 300 %
Breakdown torque : 350 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 40 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP54
Approximate weight : 112 lb
Moment of inertia : 0.39914 sq.ft.lb
Noise level : 50 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.55	74.0
75%	0.45	72.0
50%	0.35	68.0

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