



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Brake Motors : Three-Phase - High Efficiency

Frame : 182T
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 8
 Full load speed : 875 rpm
 Slip : 2.78 %
 Voltage : 230/460 V
 Rated current : 4.62/2.31 A
 Locked rotor current : 27.7/13.9 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 4.10/2.05 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 : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 106 lb
 Moment of inertia : 0.39914 sq.ft.lb
 Noise level : 50 dB(A)

	D.E.	N.D.E.
Bearings	6307 ZZ	6206 ZZ
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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