



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 : 3 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1760 rpm
 Slip : 2.22 %
 Voltage : 208-230/460 V
 Rated current : 8.96-8.10/4.05 A
 Locked rotor current : 60.8/30.4 A
 Locked rotor current (I_L/I_n) : 7.5
 No-load current : 4.40/2.20 A
 Full load torque : 8.83 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 320 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 25 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP54
 Approximate weight : 88 lb
 Moment of inertia : 0.31774 sq.ft.lb
 Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6307 2RS	6206 2RS	100%	0.78	87.5
Regreasing interval	---	---	75%	0.71	87.5
Grease amount	---	---	50%	0.59	85.5

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