



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 : 143T
Output : 1 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1765 rpm
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 3.16-2.86/1.43 A
Locked rotor current : 24.6/12.3 A
Locked rotor current (I_L/I_n) : 8.6
No-load current : 1.87/0.935 A
Full load torque : 2.94 lb.ft
Locked rotor torque : 290 %
Breakdown torque : 400 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 62 lb
Moment of inertia : 0.09753 sq.ft.lb
Noise level : 51 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 2RS	6204 2RS	100%	0.77	85.5
Regreasing interval	---	---	75%	0.70	82.5
Grease amount	---	---	50%	0.57	80.0

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