



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 : 145T
Output : 2 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1750 rpm
Slip : 2.78 %
Voltage : 208-230/460 V
Rated current : 6.13-5.54/2.77 A
Locked rotor current : 42.7/21.3 A
Locked rotor current (I_L/I_n) : 7.7
No-load current : 2.80/1.40 A
Full load torque : 5.92 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 11 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP54
Approximate weight : 70 lb
Moment of inertia : 0.13289 sq.ft.lb
Noise level : 51 dB(A)

	D.E.	N.D.E.
Bearings	6205 2RS	6204 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	84.0
75%	0.74	84.0
50%	0.62	81.5

Notes:
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