



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 : 145T
Output : 2 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3495 rpm
Slip : 2.92 %
Voltage : 575 V
Rated current : 2.15 A
Locked rotor current : 20.2 A
Locked rotor current (I_L/I_n) : 9.4
No-load current : 1.04 A
Full load torque : 2.96 lb.ft
Locked rotor torque : 350 %
Breakdown torque : 400 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 66 lb
Moment of inertia : 0.05505 sq.ft.lb
Noise level : 68 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.82	85.5
75%	0.76	84.0
50%	0.64	80.0

Notes:

Downloaded from <http://dealerselectric.com>
Generated for Model #00236XT3H145T

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