



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 : 4  
Full load speed : 1750 rpm  
Slip : 2.78 %  
Voltage : 208-230/460 V  
Rated current : 6.02-5.44/2.72 A  
Locked rotor current : 43.0/21.5 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.9  
No-load current : 3.00/1.50 A  
Full load torque : 5.92 lb.ft  
Locked rotor torque : 250 %  
Breakdown torque : 320 %  
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 : IP55  
Approximate weight : 73 lb  
Moment of inertia : 0.15947 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%	0.80	86.5
75%	0.73	85.5
50%	0.60	84.0

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