



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Three-Phase : Rolled Steel Motor - NEMA Premium Efficiency

Frame : 143/5T  
 Output : 1.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3420 rpm  
 Slip : 5.00 %  
 Voltage : 208-230/460 V  
 Rated current : 4.30-3.90/1.95 A  
 Locked rotor current : 33.2/16.6 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.5  
 No-load current : 1.70/0.850 A  
 Full load torque : 2.27 lb.ft  
 Locked rotor torque : 420 %  
 Breakdown torque : 390 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 15 s (hot)  
 Service factor : 1.15 (1.00 at 208V)  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 34 lb  
 Moment of inertia : 0.05102 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6205 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.86	84.0
75%	0.81	81.5
50%	0.71	77.0

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