



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 254T  
 Output : 5 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 880 rpm  
 Slip : 2.22 %  
 Voltage : 208-230/460 V  
 Rated current : 17.5-15.9/7.93 A  
 Locked rotor current : 84.0/42.0 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.3  
 No-load current : 11.0/5.50 A  
 Full load torque : 29.4 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 270 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 21 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 313 lb  
 Moment of inertia : 3.4086 sq.ft.lb  
 Noise level : 54 dB(A)

	D.E.	N.D.E.
Bearings	6309 2RS-C3	6209 2RS-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.67	87.5
75%	0.58	86.5
50%	0.46	84.0

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