



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

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

Frame : 254T  
 Output : 15 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3540 rpm  
 Slip : 1.67 %  
 Voltage : 208-230/460 V  
 Rated current : 37.3-34.8/17.4 A  
 Locked rotor current : 237/118 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.8  
 No-load current : 11.2/5.60 A  
 Full load torque : 22.0 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 270 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 31 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 318 lb  
 Moment of inertia : 1.1863 sq.ft.lb  
 Noise level : 75 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.87	91.0
75%	0.83	90.5
50%	0.74	90.0

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