



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

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

Frame : 254T  
 Output : 7.5 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1170 rpm  
 Slip : 2.50 %  
 Voltage : 208-230/460 V  
 Rated current : 21.5-19.5/9.73 A  
 Locked rotor current : 136/68.1 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
 No-load current : 10.5/5.25 A  
 Full load torque : 33.2 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 310 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 26 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 232 lb  
 Moment of inertia : 3.9197 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6309 ZZ	6209 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.78	91.0
75%	0.71	91.0
50%	0.58	89.5

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