



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
Product line : W22 High Efficiency

Frame : 254T  
Output : 5 HP  
Frequency : 60 Hz  
Poles : 8  
Full load speed : 880 rpm  
Slip : 2.22 %  
Voltage : 230/460 V  
Rated current : 15.5/7.76 A  
Locked rotor current : 85.4/42.7 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.5  
No-load current : 10.0/5.00 A  
Full load torque : 29.4 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 33 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 243 lb  
Moment of inertia : 2.8972 sq.ft.lb  
Noise level : 54 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.70	85.5
75%	0.61	84.0
50%	0.48	82.5

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00509EP3E254T-W22

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