



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

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

Customer :  
 Product line : W01 (Rolled Steel) General Purpose TEFC

Frame : 254/6T  
 Output : 7.5 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1175 rpm  
 Slip : 2.08 %  
 Voltage : 208-230/460 V  
 Rated current : 22.1-20.0/9.98 A  
 Locked rotor current : 108/53.9 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.4  
 No-load current : 10.1/5.03 A  
 Full load torque : 33.1 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 230 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 42 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 204 lb  
 Moment of inertia : 2.3374 sq.ft.lb  
 Noise level : 59 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 Z-C3	6208 Z-C3	100%	0.76	91.0
Regreasing interval	20000 h	20000 h	75%	0.70	89.5
Grease amount	13 g	8 g	50%	0.58	89.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00712ET3E254T-SG

Performed by

Checked