



# Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

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

Customer :  
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 444/5T  
 Output : 125 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1185 rpm  
 Slip : 1.25 %  
 Voltage : 208-230/460 V  
 Rated current : 316-286/143 A  
 Locked rotor current : 1830/915 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
 No-load current : 112/56.0 A  
 Full load torque : 547 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 19 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 1751 lb  
 Moment of inertia : 103.62 sq.ft.lb  
 Noise level : 69 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6319 C3	6316 C3	100%	0.83	95.0
Regreasing interval	13000 h	16000 h	75%	0.79	95.4
Grease amount	45 g	34 g	50%	0.70	95.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #12512ET3E445T-W22

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