



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
Product line : W22 NEMA Premium - Roller Bearings

Frame : 586/7T  
Output : 450 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1190 rpm  
Slip : 0.83 %  
Voltage : 460 V  
Rated current : 532 A  
Locked rotor current : 3250 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.1  
No-load current : 210 A  
Full load torque : 1959 lb.ft  
Locked rotor torque : 210 %  
Breakdown torque : 210 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 25 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 4384 lb  
Moment of inertia : 367.54 sq.ft.lb  
Noise level : 77 dB(A)

	D.E.	N.D.E.
Bearings	NU-322 C3	6319 C3
Regreasing interval	7000 h	13000 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.81	96.2
75%	0.77	96.2
50%	0.67	95.8

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #45012ET3GRB586/7-W22

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