



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

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

Customer :  
Product line : W22 NEMA Premium - Roller Bearings

Frame : 404/5T  
Output : 75 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1180 rpm  
Slip : 1.67 %  
Voltage : 460 V  
Rated current : 84.9 A  
Locked rotor current : 543 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
No-load current : 30.0 A  
Full load torque : 329 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 230 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 17 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 1089 lb  
Moment of inertia : 40.209 sq.ft.lb  
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	NU-316 C3	6314 C3
Regreasing interval	12000 h	17000 h
Grease amount	34 g	27 g

Load	Power factor	Efficiency (%)
100%	0.86	94.5
75%	0.83	94.5
50%	0.74	94.1

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #07512ET3GRB405T-W22

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