



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 588/9T  
 Output : 450 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 895 rpm  
 Slip : 0.56 %  
 Voltage : 460 V  
 Rated current : 534 A  
 Locked rotor current : 3520 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.6  
 No-load current : 200 A  
 Full load torque : 2605 lb.ft  
 Locked rotor torque : 160 %  
 Breakdown torque : 230 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 27 s (hot)  
 Service factor : 1.00  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 5281 lb  
 Moment of inertia : 616.65 sq.ft.lb  
 Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6322 C3	6319 C3
Regreasing interval	14000 h	17000 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.81	95.8
75%	0.75	95.7
50%	0.65	95.2

Notes:  
 Downloaded from <http://dealerselectric.com>  
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