



# Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

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

Customer :  
 Product line : W22 NEMA Premium - Roller Bearings

Frame : 445/7T  
 Output : 250 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1780 rpm  
 Slip : 1.11 %  
 Voltage : 575 V  
 Rated current : 225 A  
 Locked rotor current : 1460 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
 No-load current : 72.0 A  
 Full load torque : 728 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 240 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 15 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 2079 lb  
 Moment of inertia : 89.555 sq.ft.lb  
 Noise level : 73 dB(A)

	D.E.	N.D.E.
Bearings	NU-319 C3	6316 C3
Regreasing interval	5000 h	10000 h
Grease amount	45 g	34 g

Load	Power factor	Efficiency (%)
100%	0.86	96.2
75%	0.83	96.2
50%	0.75	95.8

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