



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

### DATA SHEET

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

Customer :  
 Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 315L  
 Output : 300 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3580 rpm  
 Slip : 0.56 %  
 Voltage : 460 V  
 Rated current : 322 A  
 Locked rotor current : 2770 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.6  
 No-load current : 98.7 A  
 Full load torque : 434 lb.ft  
 Locked rotor torque : 280 %  
 Breakdown torque : 310 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 2708 lb  
 Moment of inertia : 122.71 sq.ft.lb  
 Noise level : 82 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	4000 h	4000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.90	95.4
75%	0.87	95.0
50%	0.78	94.1

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #22036EP3Y315L-W22

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