



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 445TS  
 Output : 300 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3565 rpm  
 Slip : 0.97 %  
 Voltage : 460 V  
 Rated current : 322 A  
 Locked rotor current : 2030 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.3  
 No-load current : 81.0 A  
 Full load torque : 436 lb.ft  
 Locked rotor torque : 200 %  
 Breakdown torque : 260 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 16 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 2007 lb  
 Moment of inertia : 33.508 sq.ft.lb  
 Noise level : 89 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	14418 h	14418 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.90	95.4
75%	0.89	95.4
50%	0.84	94.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #30036OT3G445TS

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