



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
 Product line : Three-Phase : Explosion Proof - High Efficiency

Frame : 586/7T  
 Output : 300 HP  
 Frequency : 60 Hz  
 Poles : 6  
 Full load speed : 1190 rpm  
 Slip : 0.83 %  
 Voltage : 460 V  
 Rated current : 355 A  
 Locked rotor current : 2170 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.1  
 No-load current : 113 A  
 Full load torque : 1306 lb.ft  
 Locked rotor torque : 180 %  
 Breakdown torque : 200 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 70 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP54  
 Approximate weight : 4190 lb  
 Moment of inertia : 277.07 sq.ft.lb  
 Noise level : 77 dB(A)

	D.E.	N.D.E.
Bearings	6322 C3	6319 C3
Regreasing interval	9212 h	11094 h
Grease amount	60 g	45 g

Load	Power factor	Efficiency (%)
100%	0.82	95.0
75%	0.80	94.5
50%	0.72	93.6

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #30012XP3G586/7

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