



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

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

Frame : 404T  
 Output : 50 HP  
 Frequency : 60 Hz  
 Poles : 8  
 Full load speed : 885 rpm  
 Slip : 1.67 %  
 Voltage : 208-230/460 V  
 Rated current : 143-130/64.9 A  
 Locked rotor current : 727/363 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.6  
 No-load current : 47.5/23.8 A  
 Full load torque : 293 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 210 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 27 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP54  
 Approximate weight : 1103 lb  
 Moment of inertia : 34.625 sq.ft.lb  
 Noise level : 62 dB(A)

	D.E.	N.D.E.
Bearings	6217 C3	6314 C3
Regreasing interval	16602 h	17353 h
Grease amount	21 g	27 g

Load	Power factor	Efficiency (%)
100%	0.78	91.7
75%	0.75	91.7
50%	0.69	90.2

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #05009XP3E404T

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