



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

### DATA SHEET

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

Customer :  
 Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 404/5T  
 Output : 100 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1780 rpm  
 Slip : 1.11 %  
 Voltage : 208-230/460 V  
 Rated current : 250-226/113 A  
 Locked rotor current : 1630/814 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.2  
 No-load current : 86.0/43.0 A  
 Full load torque : 291 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 13 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 1222 lb  
 Moment of inertia : 26.405 sq.ft.lb  
 Noise level : 75 dB(A)

	D.E.	N.D.E.
Bearings	6217 C3	6314 C3
Regreasing interval	9149 h	9789 h
Grease amount	21 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	95.4
75%	0.82	95.0
50%	0.72	94.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #10018XT3E405T

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