



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

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

Customer :  
Product line : W22 NEMA Premium - Ball Bearings

Frame : 404/5TS  
Output : 100 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1775 rpm  
Slip : 1.39 %  
Voltage : 208-230/460 V  
Rated current : 245-222/111 A  
Locked rotor current : 1620/810 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.3  
No-load current : 76.0/38.0 A  
Full load torque : 292 lb.ft  
Locked rotor torque : 240 %  
Breakdown torque : 260 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 13 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 1140 lb  
Moment of inertia : 29.894 sq.ft.lb  
Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	12000 h	12000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.88	95.4
75%	0.84	95.0
50%	0.77	95.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #10018ET3E405TS-W22

Performed by

Checked