



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 : 444/5TS  
Output : 125 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3570 rpm  
Slip : 0.83 %  
Voltage : 460 V  
Rated current : 132 A  
Locked rotor current : 871 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.6  
No-load current : 32.5 A  
Full load torque : 181 lb.ft  
Locked rotor torque : 200 %  
Breakdown torque : 250 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 22 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 1940 lb  
Moment of inertia : 31.178 sq.ft.lb  
Noise level : 86 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	3604 h	3604 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.90	95.0
75%	0.89	94.5
50%	0.83	93.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #12536XT3G444TS

Performed by

Checked