



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

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

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

Frame : 444/5T  
Output : 100 HP  
Frequency : 60 Hz  
Poles : 8  
Full load speed : 890 rpm  
Slip : 1.11 %  
Voltage : 208-230/460 V  
Rated current : 276-250/125 A  
Locked rotor current : 1530/763 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.1  
No-load current : 95.0/47.5 A  
Full load torque : 582 lb.ft  
Locked rotor torque : 170 %  
Breakdown torque : 200 %  
Design : B  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 16 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 2053 lb  
Moment of inertia : 87.260 sq.ft.lb  
Noise level : 64 dB(A)

	D.E.	N.D.E.
Bearings	6219 C3	6316 C3
Regreasing interval	15247 h	15904 h
Grease amount	27 g	34 g

Load	Power factor	Efficiency (%)
100%	0.80	94.1
75%	0.77	94.5
50%	0.68	94.1

Notes:  
Downloaded from <http://dealerselectric.com>  
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