



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Three-Phase : NEMA 56 Frames - TEFC

Frame : B56  
Output : 1 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3470 rpm  
Slip : 3.61 %  
Voltage : 208-230/460 V  
Rated current : 3.00-2.90/1.45 A  
Locked rotor current : 25.5/12.8 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.8  
No-load current : 1.60/0.800 A  
Full load torque : 1.49 lb.ft  
Locked rotor torque : 410 %  
Breakdown torque : 370 %  
Design : A  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 10 s (hot)  
Service factor : 1.15 (1.00 at 208V)  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 29 lb  
Moment of inertia : 0.04319 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.
Bearings	6203 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.83	77.5
75%	0.77	75.0
50%	0.66	70.0

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