



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Single-Phase : NEMA 56 TEFC

Frame : D56  
Output : 1 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3500 rpm  
Slip : 2.78 %  
Voltage : 115/208-230 V  
Rated current : 12.8/6.40-6.40 A  
Locked rotor current : 89.6/44.8 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
No-load current : 9.00/4.50 A  
Full load torque : 1.48 lb.ft  
Locked rotor torque : 320 %  
Breakdown torque : 280 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 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 : 32 lb  
Moment of inertia : 0.05149 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.
Bearings	6204 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.75	67.0
75%	0.67	63.0
50%	0.56	55.0

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