



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Auger Drive : Single-Phase - TEFC (IP55)

Frame : F56N  
Output : 1.5 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1750 rpm  
Slip : 2.78 %  
Voltage : 115/230 V  
Rated current : 17.4/8.70 A  
Locked rotor current : 113/56.6 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
No-load current : 11.8/5.90 A  
Full load torque : 4.44 lb.ft  
Locked rotor torque : 280 %  
Breakdown torque : 260 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 33 lb  
Moment of inertia : 0.19554 sq.ft.lb  
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.72	76.5
75%	0.64	75.0
50%	0.52	70.0

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