



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Single-Phase: Fractional Explosion Proof Motors

Frame : 56  
Output : 1.5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3450 rpm  
Slip : 4.17 %  
Voltage : 208-230 V  
Rated current : 7.80 A  
Locked rotor current : 50.7 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
No-load current : 3.60 A  
Full load torque : 2.25 lb.ft  
Locked rotor torque : 120 %  
Breakdown torque : 260 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 4 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +50°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 36 lb  
Moment of inertia : 0.01946 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6203 ZZ	100%	0.84	77.4
Regreasing interval	---	---	75%	0.78	75.0
Grease amount	---	---	50%	0.69	71.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00156XS1C56

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