



# 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 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3450 rpm  
 Slip : 4.17 %  
 Voltage : 115/208-230 V  
 Rated current : 10.6/5.30 A  
 Locked rotor current : 68.9/34.5 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.5  
 No-load current : 5.80/2.90 A  
 Full load torque : 1.50 lb.ft  
 Locked rotor torque : 150 %  
 Breakdown torque : 250 %  
 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 : 29 lb  
 Moment of inertia : 0.01495 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6203 ZZ	100%	0.83	72.8
Regreasing interval	---	---	75%	0.77	71.0
Grease amount	---	---	50%	0.67	65.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00136XS1B56

Performed by

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