



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

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

Frame : 56  
 Output : 1 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3450 rpm  
 Slip : 4.17 %  
 Voltage : 208-230/460 V  
 Rated current : 3.16-2.86/1.43 A  
 Locked rotor current : 18.3/9.15 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
 No-load current : 1.60/0.800 A  
 Full load torque : 1.50 lb.ft  
 Locked rotor torque : 250 %  
 Breakdown torque : 320 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 10 s (hot)  
 Service factor : 1.00  
 Duty cycle : S1  
 Ambient temperature : -20°C - +50°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 24 lb  
 Moment of inertia : 0.01020 sq.ft.lb  
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.84	78.1
75%	0.78	76.0
50%	0.67	72.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00136XS3E56

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