



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame : W56  
 Output : 0.25 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3485 rpm  
 Slip : 3.19 %  
 Voltage : 115/208-230 V  
 Rated current : 4.20/2.32-2.10 A  
 Locked rotor current : 27.7/13.8 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.6  
 No-load current : 3.20/1.60 A  
 Full load torque : 0.372 lb.ft  
 Locked rotor torque : 290 %  
 Breakdown torque : 300 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 11 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 : 17 lb  
 Moment of inertia : 0.01471 sq.ft.lb  
 Noise level : 66 dB(A)

	D.E.	N.D.E.
Bearings	6203 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.74	50.0
75%	0.68	44.0
50%	0.60	35.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.2536ES1BW56-S

Performed by

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