



# 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) - ODP - Premium Efficiency (DOE)

Frame : W56  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3510 rpm  
 Slip : 2.50 %  
 Voltage : 115/208-230 V  
 Rated current : 4.80/2.65-2.40 A  
 Locked rotor current : 42.2/21.1 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.8  
 No-load current : 1.60/0.800 A  
 Full load torque : 0.738 lb.ft  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 9 s (hot)  
 Service factor : 1.25 (1.00 at 208V)  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 19 lb  
 Moment of inertia : 0.02539 sq.ft.lb  
 Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6202 ZZ	100%	0.94	72.4
Regreasing interval	---	---	75%	0.93	68.0
Grease amount	---	---	50%	0.90	60.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.5036OT1BW56C-S

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