



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Three Phase: W01 (Rolled Steel) - ODP - Premium Efficiency (DOE)

Frame : 56  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3490 rpm  
 Slip : 3.06 %  
 Voltage : 208-230/460 V  
 Rated current : 1.79-1.62/0.811 A  
 Locked rotor current : 10.1/5.03 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 1.10/0.550 A  
 Full load torque : 0.742 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 280 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 39 s (hot)  
 Service factor : 1.25  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 17 lb  
 Moment of inertia : 0.03892 sq.ft.lb  
 Noise level : 62 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.78	73.4
75%	0.69	70.0
50%	0.57	64.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #.5036OT3E56-S

Performed by

Checked