



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
Product line : Three-Phase : NEMA 56 Frames - ODP

Frame : A56  
Output : 0.5 HP  
Frequency : 60 Hz  
Poles : 4  
Full load speed : 1730 rpm  
Slip : 3.89 %  
Voltage : 208-230/460 V  
Rated current : 1.81-1.82/0.909 A  
Locked rotor current : 10.5/5.27 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.8  
No-load current : 1.59/0.797 A  
Full load torque : 1.50 lb.ft  
Locked rotor torque : 230 %  
Breakdown torque : 280 %  
Design : A  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 15 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 : IP21  
Approximate weight : 23 lb  
Moment of inertia : 0.07095 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.
Bearings	6204 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.73	70.0
75%	0.62	66.0
50%	0.51	62.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #.5018OS3EA56CFL

Performed by

Checked