



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Frame : C48  
 Output : 0.5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1730 rpm  
 Slip : 3.89 %  
 Voltage : 115/208-230 V  
 Rated current : 8.50/4.10-4.25 A  
 Locked rotor current : 45.9/23.0 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.4  
 No-load current : 6.80/3.40 A  
 Full load torque : 1.50 lb.ft  
 Locked rotor torque : 330 %  
 Breakdown torque : 240 %  
 Design : ---  
 Insulation class : B  
 Temperature rise : 80 K  
 Locked rotor time : 6 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 : 24 lb  
 Moment of inertia : 0.04817 sq.ft.lb  
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.61	61.7
75%	0.52	59.0
50%	0.43	53.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
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