



# Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
 Product line : Pool & Spa Motors : Square Flange - Start Capacitor - Low Service Factor

Frame : M48Y  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3460 rpm  
 Slip : 3.89 %  
 Voltage : 230 V  
 Rated current : 9.30 A  
 Locked rotor current : 54.9 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.9  
 No-load current : 3.90 A  
 Full load torque : 2.99 lb.ft  
 Locked rotor torque : 130 %  
 Breakdown torque : 230 %  
 Design : ---  
 Insulation class : B  
 Temperature rise : 80 K  
 Locked rotor time : 6 s (hot)  
 Service factor : 1.10  
 Duty cycle : S1  
 Ambient temperature : -20°C - +50°C  
 Altitude : 1000 m  
 Degree of Protection : IP21  
 Approximate weight : 28 lb  
 Moment of inertia : 0.04034 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6203 2RS	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.91	76.6
75%	0.88	74.0
50%	0.80	68.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #PCQ120

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