



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

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

Customer :  
Product line : Pool & Spa Motors : C-Face - Start Capacitor - High Service Factor

Frame : K56J  
Output : 0.5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3515 rpm  
Slip : 2.36 %  
Voltage : 115/230 V  
Rated current : 9.10/4.55 A  
Locked rotor current : 53.7/26.8 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.9  
No-load current : 7.70/3.85 A  
Full load torque : 0.737 lb.ft  
Locked rotor torque : 210 %  
Breakdown torque : 400 %  
Design : ---  
Insulation class : B  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.60  
Duty cycle : S1  
Ambient temperature : -20°C - +50°C  
Altitude : 1000 m  
Degree of Protection : IP21  
Approximate weight : 23 lb  
Moment of inertia : 0.02326 sq.ft.lb  
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 2RS	6203 ZZ	100%	0.59	60.4
Regreasing interval	---	---	75%	0.52	54.0
Grease amount	---	---	50%	0.43	45.0

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #PCJ105H

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