



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 - Low Service Factor

Frame : M56J
Output : 2.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3450 rpm
Slip : 4.17 %
Voltage : 230 V
Rated current : 10.8 A
Locked rotor current : 63.7 A
Locked rotor current (I_L/I_n) : 5.9
No-load current : 4.00 A
Full load torque : 3.75 lb.ft
Locked rotor torque : 170 %
Breakdown torque : 210 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.04
Duty cycle : S1
Ambient temperature : -20°C - +50°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 33 lb
Moment of inertia : 0.04461 sq.ft.lb
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.93	80.7
75%	0.86	79.0
50%	0.81	74.0

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #PCJ125

Performed by

Checked