



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 - High Service Factor

Frame : M48Y
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3500 rpm
Slip : 2.78 %
Voltage : 230 V
Rated current : 7.50 A
Locked rotor current : 55.5 A
Locked rotor current (I_L/I_n) : 7.4
No-load current : 3.90 A
Full load torque : 2.22 lb.ft
Locked rotor torque : 180 %
Breakdown torque : 310 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.50
Duty cycle : S1
Ambient temperature : -20°C - +50°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 23 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%	0.85	76.3
75%	0.80	72.0
50%	0.72	63.5

Notes:

Downloaded from <http://dealerselectric.com>
Generated for Model #PCQ115H

Performed by

Checked