



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 : 2 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3490 rpm
 Slip : 3.06 %
 Voltage : 230 V
 Rated current : 9.20 A
 Locked rotor current : 64.4 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 3.60 A
 Full load torque : 2.97 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Design : ---
 Insulation class : B
 Temperature rise : 80 K
 Locked rotor time : 6 s (hot)
 Service factor : 1.30
 Duty cycle : S1
 Ambient temperature : -20°C - +50°C
 Altitude : 1000 m
 Degree of Protection : IP21
 Approximate weight : 30 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%	0.90	78.3
75%	0.85	73.0
50%	0.78	66.0

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