



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 : K48Y
 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_L/I_n) : 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 : 1.90
 Duty cycle : S1
 Ambient temperature : -20°C - +50°C
 Altitude : 1000 m
 Degree of Protection : IP21
 Approximate weight : 24 lb
 Moment of inertia : 0.02326 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.59	60.4
75%	0.52	54.0
50%	0.43	45.0

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