



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 - Low Service Factor

Frame : K48Y
 Output : 0.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3470 rpm
 Slip : 3.61 %
 Voltage : 115/230 V
 Rated current : 7.50/3.75 A
 Locked rotor current : 36.8/18.4 A
 Locked rotor current (I_L/I_n) : 4.9
 No-load current : 5.80/2.90 A
 Full load torque : 0.747 lb.ft
 Locked rotor torque : 140 %
 Breakdown torque : 260 %
 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 : 21 lb
 Moment of inertia : 0.01898 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.70	61.8
75%	0.61	57.5
50%	0.52	50.0

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