



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 : 0.33 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3510 rpm
Slip : 2.50 %
Voltage : 115/230 V
Rated current : 6.90/3.45 A
Locked rotor current : 38.0/19.0 A
Locked rotor current (I_L/I_n) : 5.5
No-load current : 5.80/2.90 A
Full load torque : 0.487 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 400 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.95
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. | Load | Power factor | Efficiency (%) |
|---------------------|----------|---------|------|--------------|----------------|
| Bearings | 6203 2RS | 6203 ZZ | 100% | 0.57 | 55.0 |
| Regreasing interval | --- | --- | 75% | 0.51 | 48.0 |
| Grease amount | --- | --- | 50% | 0.43 | 40.0 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #PCQ103H

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