



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 : 1 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3470 rpm
Slip : 3.61 %
Voltage : 115/230 V
Rated current : 12.5/6.25 A
Locked rotor current : 71.3/35.6 A
Locked rotor current (I_L/I_n) : 5.7
No-load current : 8.30/4.15 A
Full load torque : 1.49 lb.ft
Locked rotor torque : 140 %
Breakdown torque : 250 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +50°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 24 lb
Moment of inertia : 0.02966 sq.ft.lb
Noise level : ---

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.74 | 70.1 |
| 75% | 0.67 | 67.0 |
| 50% | 0.56 | 61.0 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #PCQ110

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