



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 : L48Y
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3450 rpm
Slip : 4.17 %
Voltage : 115/230 V
Rated current : 17.7/8.85 A
Locked rotor current : 104/52.2 A
Locked rotor current (I_L/I_n) : 5.9
No-load current : 10.5/5.25 A
Full load torque : 2.25 lb.ft
Locked rotor torque : 130 %
Breakdown torque : 210 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.10
Duty cycle : S1
Ambient temperature : -20°C - +50°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 25 lb
Moment of inertia : 0.03607 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 2RS	6203 ZZ	100%	0.79	69.6
Regreasing interval	---	---	75%	0.72	69.0
Grease amount	---	---	50%	0.61	64.5

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