



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 : L48Y
Output : 1 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3510 rpm
Slip : 2.50 %
Voltage : 115/230 V
Rated current : 14.1/7.05 A
Locked rotor current : 94.5/47.2 A
Locked rotor current (I_L/I_n) : 6.7
No-load current : 10.5/5.25 A
Full load torque : 1.48 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 320 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.65
Duty cycle : S1
Ambient temperature : -20°C - +50°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 20 lb
Moment of inertia : 0.03607 sq.ft.lb
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.66	69.7
75%	0.57	65.0
50%	0.48	57.0

Notes:
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