



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Single-Phase : NEMA 48 & 56 ODP - Start Capacitor

Frame : 56
Output : 0.25 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3440 rpm
Slip : 4.44 %
Voltage : 115/208-230 V
Rated current : 4.30/2.10-2.15 A
Locked rotor current : 21.9/11.0 A
Locked rotor current (I_L/I_n) : 5.1
No-load current : 3.10/1.55 A
Full load torque : 0.377 lb.ft
Locked rotor torque : 350 %
Breakdown torque : 280 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.35 (1.00 at 208V)
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP21
Approximate weight : 18 lb
Moment of inertia : 0.01495 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6203 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.68	54.7
75%	0.64	50.5
50%	0.56	42.0

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #.2536OS1B56

Performed by

Checked