



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Single-Phase: Fractional Explosion Proof Motors

Frame : 56
 Output : 0.5 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1725 rpm
 Slip : 4.17 %
 Voltage : 115/208-230 V
 Rated current : 8.40/4.20 A
 Locked rotor current : 39.5/19.7 A
 Locked rotor current (I_L/I_n) : 4.7
 No-load current : 6.80/3.40 A
 Full load torque : 1.50 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 260 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 9 s (hot)
 Service factor : 1.00
 Duty cycle : S1
 Ambient temperature : -20°C - +50°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 24 lb
 Moment of inertia : 0.02088 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.64	63.4
75%	0.55	58.0
50%	0.46	50.0

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #.5018XS1B56

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