



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 56
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3450 rpm
 Slip : 4.17 %
 Voltage : 208-230/460 V
 Rated current : 3.16-2.86/1.43 A
 Locked rotor current : 18.3/9.15 A
 Locked rotor current (I_L/I_n) : 6.4
 No-load current : 1.60/0.800 A
 Full load torque : 1.50 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 320 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 10 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 : 0.01020 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.84	78.1
75%	0.78	76.0
50%	0.67	72.0

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