



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 : 4
 Full load speed : 1725 rpm
 Slip : 4.17 %
 Voltage : 208-230/460 V
 Rated current : 3.27-2.96/1.48 A
 Locked rotor current : 19.8/9.92 A
 Locked rotor current (I_L/I_n) : 6.7
 No-load current : 2.00/1.00 A
 Full load torque : 3.00 lb.ft
 Locked rotor torque : 330 %
 Breakdown torque : 400 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 8 s (hot)
 Service factor : 1.00
 Duty cycle : S1
 Ambient temperature : -20°C - +50°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 28 lb
 Moment of inertia : 0.02444 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.78	81.8
75%	0.70	80.0
50%	0.58	76.0

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