



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 56H
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3450 rpm
 Slip : 4.17 %
 Voltage : 208-230/460 V
 Rated current : 8.09-7.32/3.66 A
 Locked rotor current : 57.8/28.9 A
 Locked rotor current (I_L/I_n) : 7.9
 No-load current : 2.20/1.10 A
 Full load torque : 4.51 lb.ft
 Locked rotor torque : 270 %
 Breakdown torque : 320 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 5 s (hot)
 Service factor : 1.00
 Duty cycle : S1
 Ambient temperature : -20°C - +50°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 43 lb
 Moment of inertia : 0.02563 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.
Bearings	6205 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.92	82.0
75%	0.89	81.0
50%	0.85	80.0

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