



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 : 1.5 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3450 rpm  
Slip : 4.17 %  
Voltage : 208-230/460 V  
Rated current : 4.40-3.98/1.99 A  
Locked rotor current : 27.9/13.9 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.0  
No-load current : 2.00/1.00 A  
Full load torque : 2.25 lb.ft  
Locked rotor torque : 240 %  
Breakdown torque : 310 %  
Design : A  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 6 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +50°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 27 lb  
Moment of inertia : 0.01281 sq.ft.lb  
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.87	79.6
75%	0.82	77.0
50%	0.73	75.0

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