



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 : 0.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3450 rpm
 Slip : 4.17 %
 Voltage : 208-230/460 V
 Rated current : 1.82-1.65/0.824 A
 Locked rotor current : 11.2/5.60 A
 Locked rotor current (I_L/I_n) : 6.8
 No-load current : 1.20/0.600 A
 Full load torque : 0.751 lb.ft
 Locked rotor torque : 310 %
 Breakdown torque : 410 %
 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 : 21 lb
 Moment of inertia : 0.00759 sq.ft.lb
 Noise level : ---

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.79 | 71.3 |
| 75% | 0.72 | 67.0 |
| 50% | 0.62 | 60.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #.5036XS3E56

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