



## Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

### DATA SHEET

#### Single-phase induction motor - Squirrel cage rotor

Customer :  
Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame : 56  
Output : 1 HP  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3500 rpm  
Slip : 2.78 %  
Voltage : 115/208-230 V  
Rated current : 10.2/5.64-5.10 A  
Locked rotor current : 85.7/42.8 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.4  
No-load current : 4.80/2.40 A  
Full load torque : 1.48 lb.ft  
Locked rotor torque : 280 %  
Breakdown torque : 280 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 8 s (hot)  
Service factor : 1.15  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 29 lb  
Moment of inertia : 0.04722 sq.ft.lb  
Noise level : 68 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6204 ZZ | 6202 ZZ |
| Regreasing interval | ---     | ---     |
| Grease amount       | ---     | ---     |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.92         | 70.0           |
| 75%  | 0.88         | 64.0           |
| 50%  | 0.82         | 55.0           |

#### Notes:

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