



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET

Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Single-Phase : NEMA 56 TEFC

Frame : D56
Output : 1 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1750 rpm
Slip : 2.78 %
Voltage : 115/208-230 V
Rated current : 14.0/6.80-7.00 A
Locked rotor current : 91.0/45.5 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 11.5/5.75 A
Full load torque : 2.96 lb.ft
Locked rotor torque : 320 %
Breakdown torque : 270 %
Design : ---
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.15 (1.00 at 208V)
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 34 lb
Moment of inertia : 0.13384 sq.ft.lb
Noise level : ---

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.65 | 70.3 |
| 75% | 0.56 | 67.0 |
| 50% | 0.45 | 60.0 |

Notes:

Downloaded from <http://dealerselectric.com>
Generated for Model #00118ES1BD56CFL

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