



Dealers Industrial Equipment

No.:

Date: 29-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 NEMA Premium - Ball Bearings

Frame : 447/9TS
Output : 350 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3570 rpm
Slip : 0.83 %
Voltage : 460 V
Rated current : 377 A
Locked rotor current : 2640 A
Locked rotor current (I_L/I_n) : 7.0
No-load current : 85.0 A
Full load torque : 508 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 10 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 2701 lb
Moment of inertia : 68.132 sq.ft.lb
Noise level : 81 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6314 C3 | 6314 C3 |
| Regreasing interval | 4000 h | 4000 h |
| Grease amount | 27 g | 27 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.90 | 96.2 |
| 75% | 0.89 | 96.2 |
| 50% | 0.85 | 95.4 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #35036ET3G449TS-W22

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