



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : W22 NEMA Premium - Ball Bearings

Frame : 404/5TS
 Output : 100 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3545 rpm
 Slip : 1.53 %
 Voltage : 575 V
 Rated current : 88.0 A
 Locked rotor current : 572 A
 Locked rotor current (I_L/I_n) : 6.5
 No-load current : 20.8 A
 Full load torque : 146 lb.ft
 Locked rotor torque : 200 %
 Breakdown torque : 240 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 1045 lb
 Moment of inertia : 13.196 sq.ft.lb
 Noise level : 79 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% | 0.91 | 94.1 |
| 75% | 0.90 | 94.1 |
| 50% | 0.85 | 93.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #10036ET3H405TS-W22

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