



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Explosion Proof - NEMA Premium

Frame : 404/5T
Output : 100 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1780 rpm
Slip : 1.11 %
Voltage : 575 V
Rated current : 90.4 A
Locked rotor current : 651 A
Locked rotor current (I_L/I_n) : 7.2
No-load current : 34.4 A
Full load torque : 291 lb.ft
Locked rotor torque : 270 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 13 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 1222 lb
Moment of inertia : 26.405 sq.ft.lb
Noise level : 75 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6217 C3 | 6314 C3 |
| Regreasing interval | 9149 h | 9789 h |
| Grease amount | 21 g | 27 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.87 | 95.4 |
| 75% | 0.82 | 95.0 |
| 50% | 0.72 | 94.5 |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #10018XT3H405T

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