



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 405T
 Output : 125 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1780 rpm
 Slip : 1.11 %
 Voltage : 208-230/460 V
 Rated current : 301-272/136 A
 Locked rotor current : 1900/952 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 82.0/41.0 A
 Full load torque : 364 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 : IP23
 Approximate weight : 1088 lb
 Moment of inertia : 26.573 sq.ft.lb
 Noise level : 69 dB(A)

| | D.E. | N.D.E. |
|---------------------|---------|---------|
| Bearings | 6316 C3 | 6314 C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 34 g | 27 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.87 | 95.4 |
| 75% | 0.85 | 95.4 |
| 50% | 0.76 | 95.0 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #12518OT3E405T

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